

Data File : VW015362.D
Acq On : 28 Apr 2020 14:46
Operator : SY/VA
Sample : VSTD100
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD10005

Quant Time: Apr 28 15:18:33 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042820S.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 28 14:27:29 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	405646	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	373735	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	198608	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	291106	65.22	ug/L	0.00
7) Chloroethane-d5	2.89	69	303643	74.73	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	684964	81.27	ug/L	0.00
20) 2-Butanone-d5	7.07	46	179122	185.61	ug/L	0.00
24) Chloroform-d	7.65	84	824867	112.62	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	428296	90.16	ug/L	0.00
29) Benzene-d6	8.27	84	1562836	93.70	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	437768	94.28	ug/L	0.00
37) Toluene-d8	10.32	98	1605791	90.96	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.57	79	232457	95.34	ug/L	0.00
39) 2-Hexanone-d5	10.92	63	169583	194.62	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	379607	96.78	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	620682	89.62	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	380248	66.658 ug/L	98
3) Chloromethane	2.21	50	318810	65.889 ug/L	99
5) Vinyl chloride	2.37	62	402589	71.058 ug/L	97
6) Bromomethane	2.78	94	330842	83.084 ug/L	100
8) Chloroethane	2.92	64	276531	76.526 ug/L	98
9) Trichlorofluoromethane	3.26	101	427786	49.684 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	451907	85.101 ug/L	98
12) 1,1-Dichloroethene	4.03	96	437486	91.545 ug/L	98
13) Acetone	4.12	43	120460	139.726 ug/L	95
14) Carbon disulfide	4.37	76	1215796	81.971 ug/L	99
15) Methyl Acetate	4.67	43	147659	89.018 ug/L	99
16) Methylene chloride	4.91	84	430408	81.824 ug/L	99
17) Methyl tert-butyl Ether	5.42	73	616590	53.920 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	484802	90.748 ug/L	98
19) 1,1-Dichloroethane	6.21	63	759832	92.798 ug/L	98
21) 2-Butanone	7.17	43	196939	164.670 ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	522197	93.265 ug/L	98
23) Bromochloromethane	7.51	128	252919	97.384 ug/L	96
25) Chloroform	7.67	83	855453	79.296 ug/L	100
27) 1,2-Dichloroethane	8.40	62	546171	93.662 ug/L	99
30) Cyclohexane	7.95	56	674411	90.584 ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	757587	87.022 ug/L	99
32) Carbon tetrachloride	8.07	117	740287	95.191 ug/L	100
34) Benzene	8.32	78	1818362	97.199 ug/L	100
35) Trichloroethene	9.09	95	537221	98.976 ug/L	98
36) Methylcyclohexane	9.34	83	882982	95.894 ug/L	99
40) 1,2-Dichloropropane	9.37	63	413677	97.192 ug/L	100
41) Bromodichloromethane	9.64	83	652649	98.971 ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	761693	100.056 ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	463916	197.861 ug/L	99

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QLast Update : Tue Apr 28 14:27:29 2020
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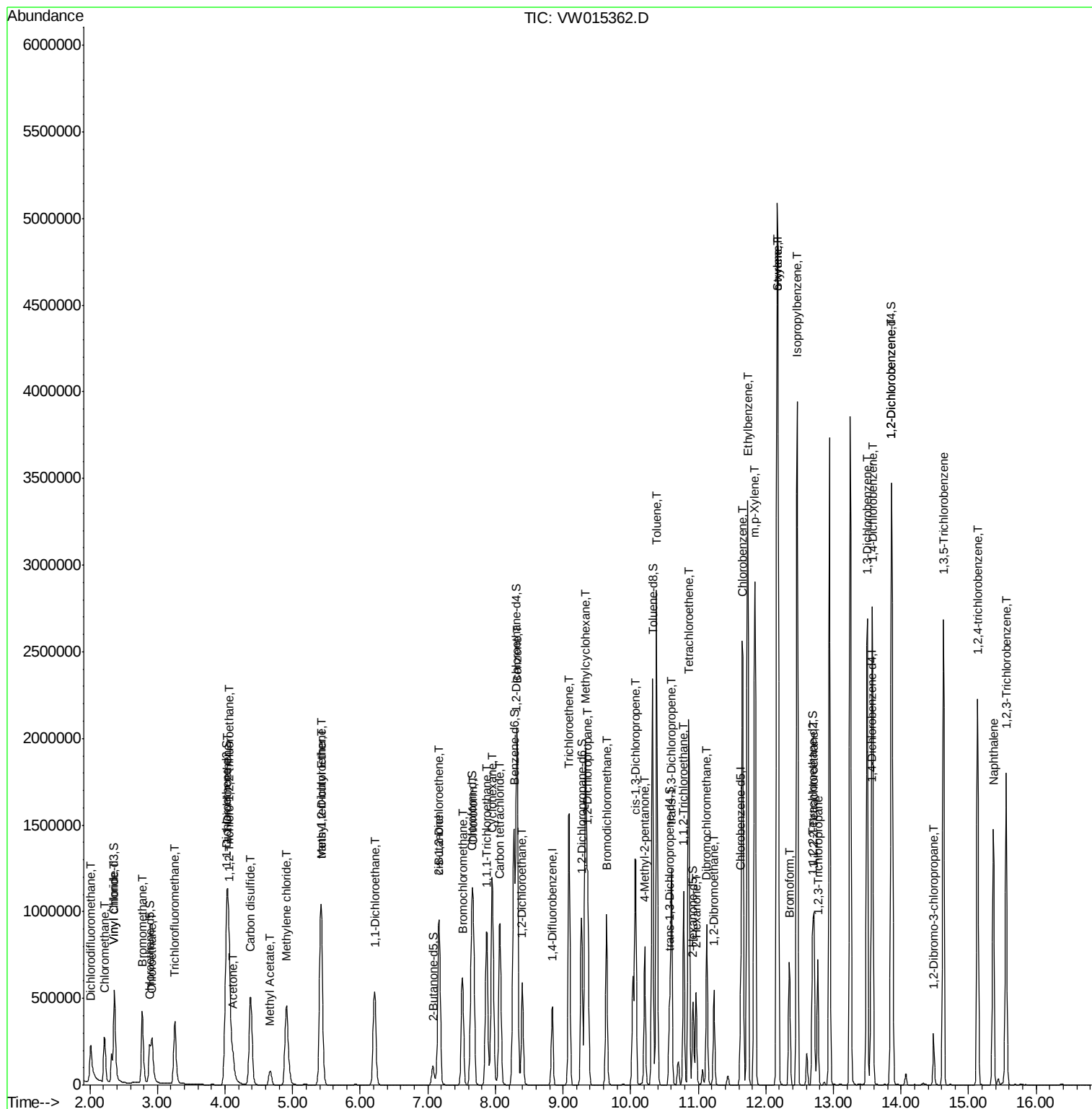
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.38	91	2134888	95.452	ug/L	96
45) trans-1,3-Dichloropropene	10.60	75	676003	100.675	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	359954	98.839	ug/L	98
47) Tetrachloroethene	10.86	164	499604	97.960	ug/L	98
49) 2-Hexanone	10.96	43	316604	183.949	ug/L	99
50) Dibromochloromethane	11.13	129	496959	102.378	ug/L	100
51) 1,2-Dibromoethane	11.23	107	366919	100.892	ug/L	99
52) Chlorobenzene	11.66	112	1447194	96.185	ug/L	96
53) Ethylbenzene	11.73	91	2471317	94.084	ug/L	99
54) m,p-Xylene	11.84	106	992855	94.275	ug/L	96
55) o-xylene	12.16	106	948727	95.057	ug/L	100
56) Styrene	12.18	104	1643705	96.796	ug/L	96
57) Isopropylbenzene	12.46	105	2595278	94.202	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	397660	99.420	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	291942	96.196	ug/L	99
62) Bromoform	12.35	173	335305	108.974	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	1203551	93.564	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	1177270	92.716	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	1065279	92.561	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.48	75	71745	93.755	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	902570	94.048	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	766182	100.194	ug/L	99
69) Naphthalene	15.36	128	1306961	101.261	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	672405	102.145	ug/L	99

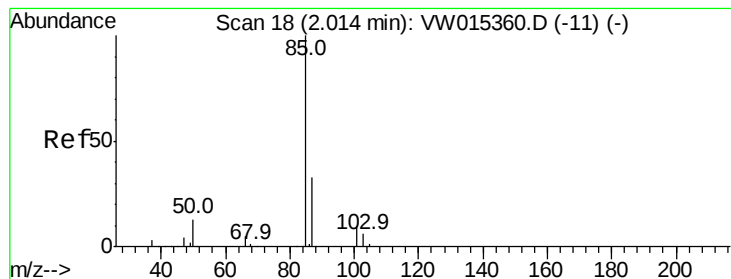
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 66.658 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW015362.D

Acq: 28 Apr 2020 14:46

Instrument :

MSVOA_W

ClientSampleId :

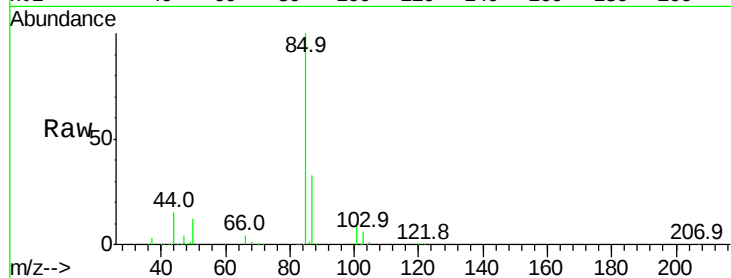
VSTD10005

Tgt Ion: 85 Resp: 380248

Ion Ratio Lower Upper

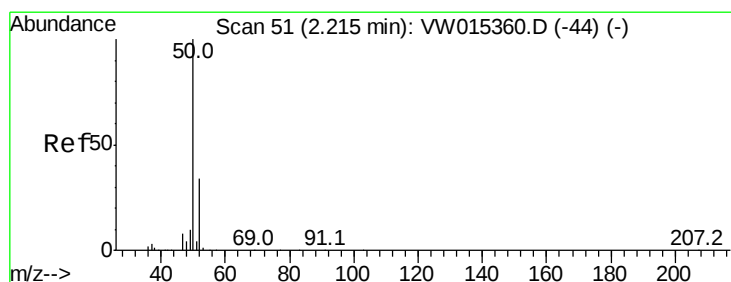
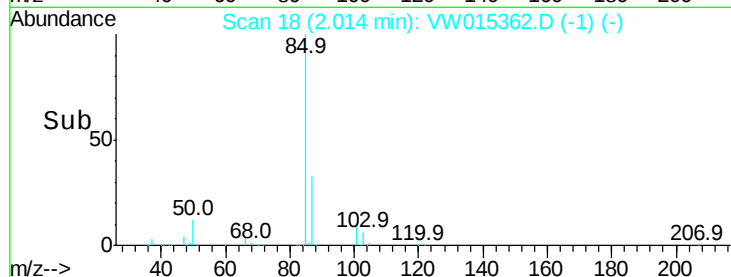
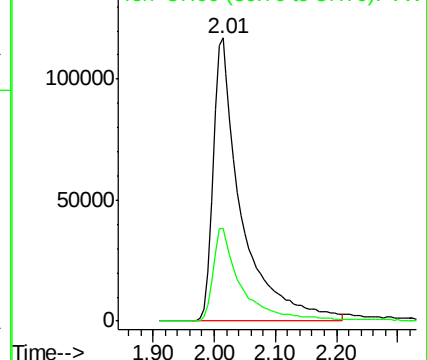
85 100

87 33.3 22.5 41.9



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 65.889 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015362.D

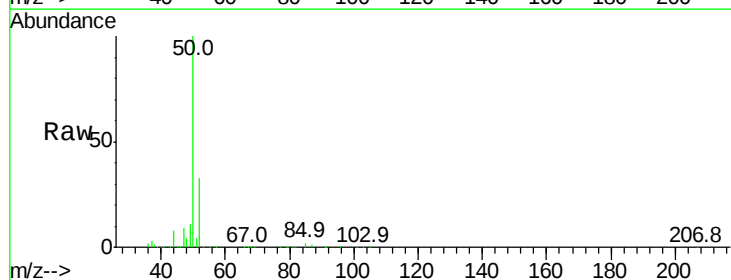
Acq: 28 Apr 2020 14:46

Tgt Ion: 50 Resp: 318810

Ion Ratio Lower Upper

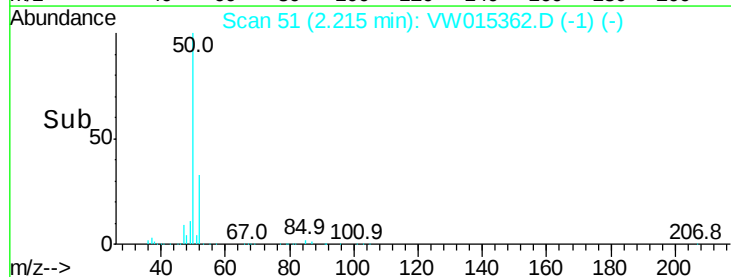
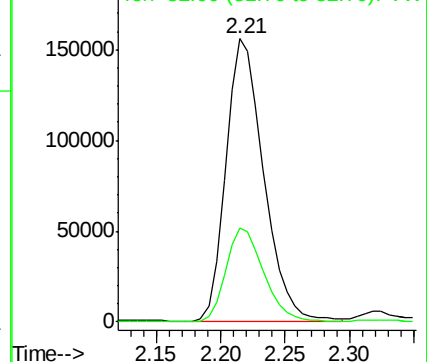
50 100

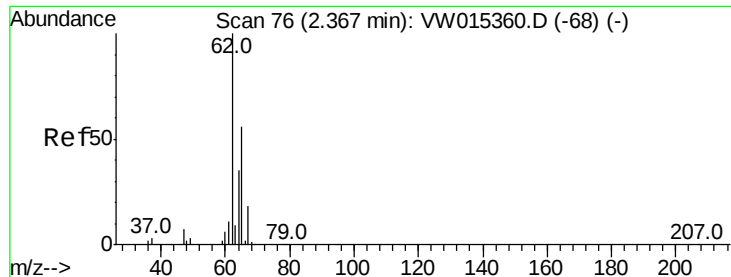
52 33.0 23.6 43.8



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 71.058 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW015362.D

Acq: 28 Apr 2020 14:46

Instrument :

MSVOA_W

ClientSampleId :

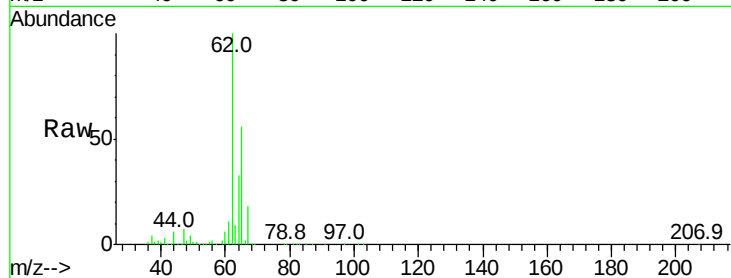
VSTD10005

Tgt Ion: 62 Resp: 402589

Ion Ratio Lower Upper

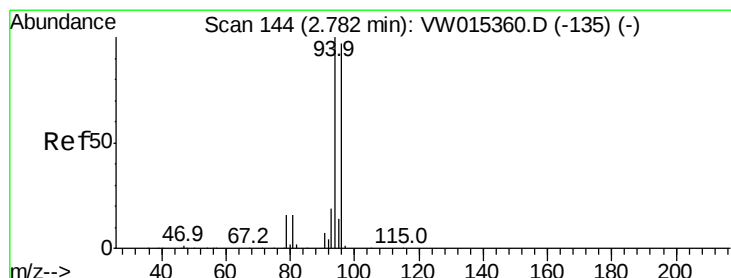
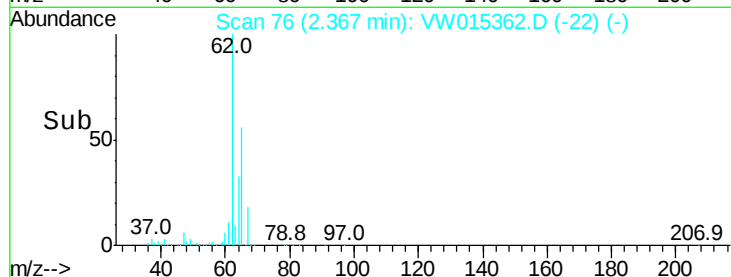
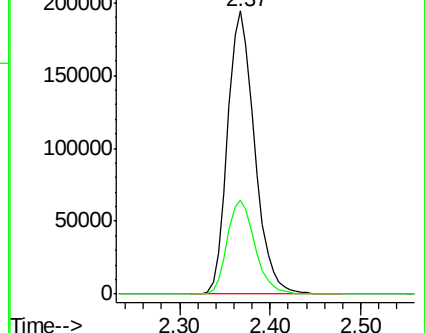
62 100

64 33.3 24.6 45.8



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#6

Bromomethane

Concen: 83.084 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW015362.D

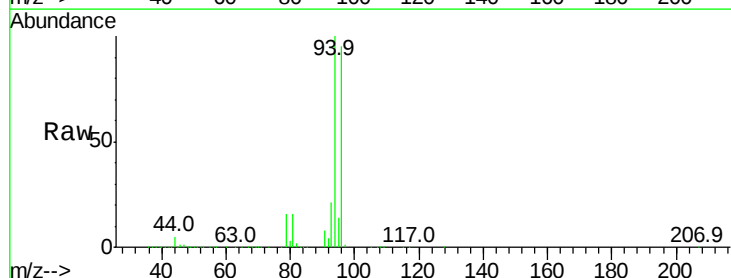
Acq: 28 Apr 2020 14:46

Tgt Ion: 94 Resp: 330842

Ion Ratio Lower Upper

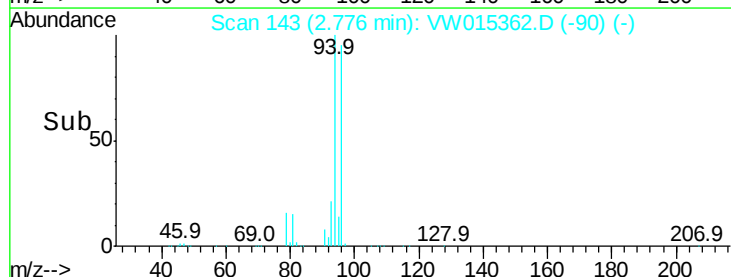
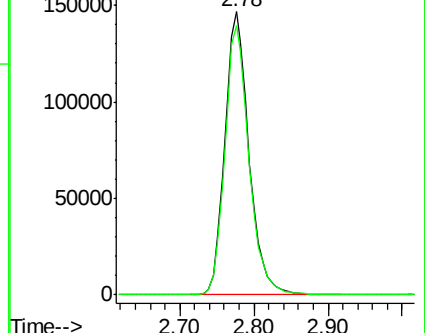
94 100

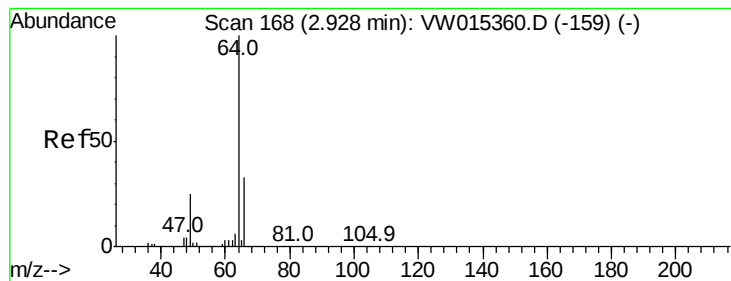
96 95.0 9.5 180.1



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW





#8

Chloroethane

Concen: 76.526 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW015362.D

Acq: 28 Apr 2020 14:46

Instrument :

MSVOA_W

ClientSampleId :

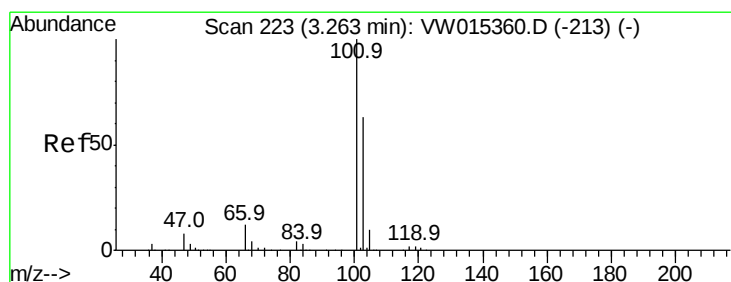
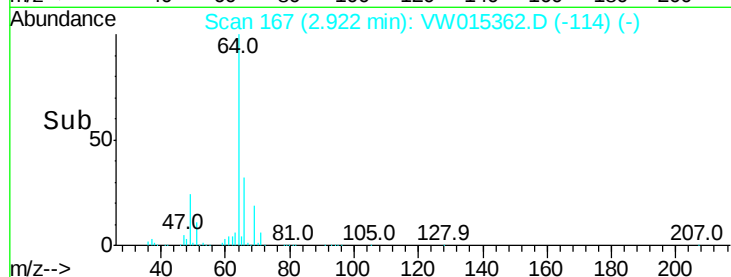
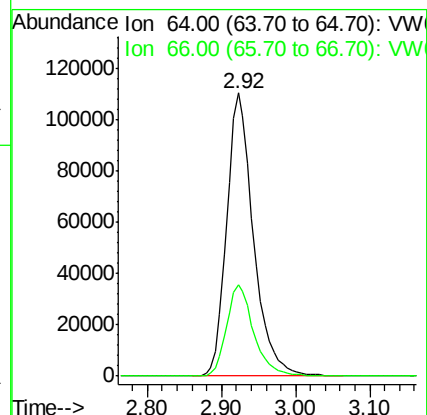
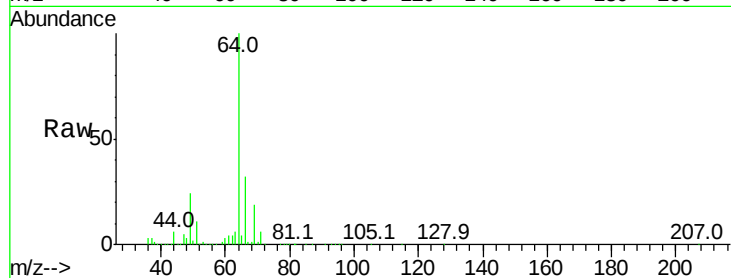
VSTD10005

Tgt Ion: 64 Resp: 276531

Ion Ratio Lower Upper

64 100

66 32.4 23.5 43.7



#9

Trichlorofluoromethane

Concen: 49.684 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.01 min

Lab File: VW015362.D

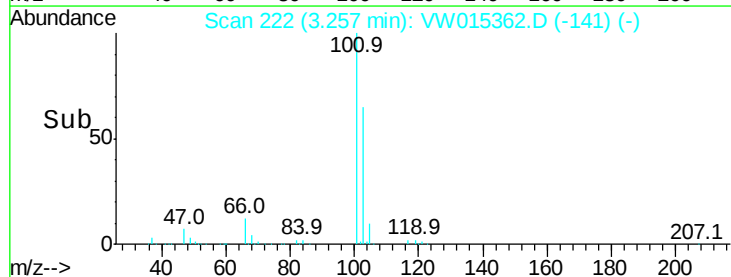
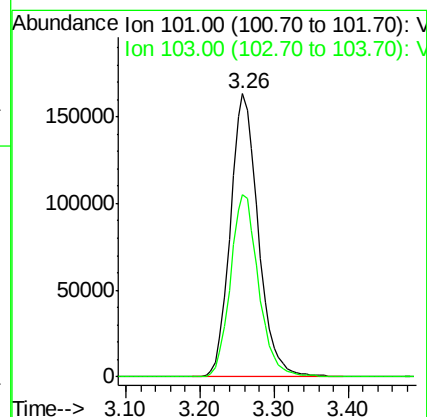
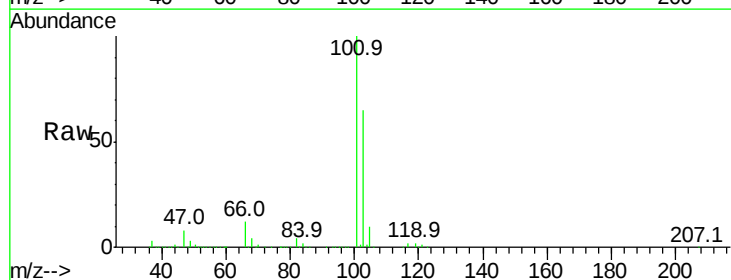
Acq: 28 Apr 2020 14:46

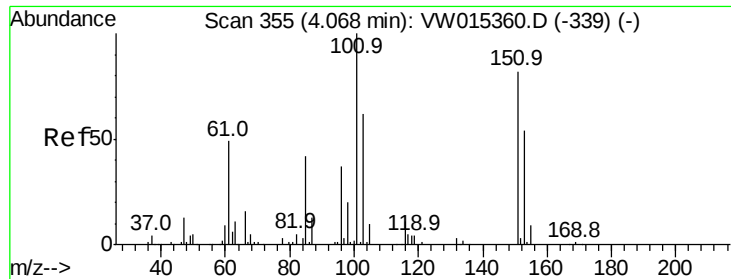
Tgt Ion: 101 Resp: 427786

Ion Ratio Lower Upper

101 100

103 65.0 45.4 84.4





#11

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

Concen: 85.101 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW015362.D

Acq: 28 Apr 2020 14:46

Instrument :

MSVOA_W

ClientSampled :

VSTD10005

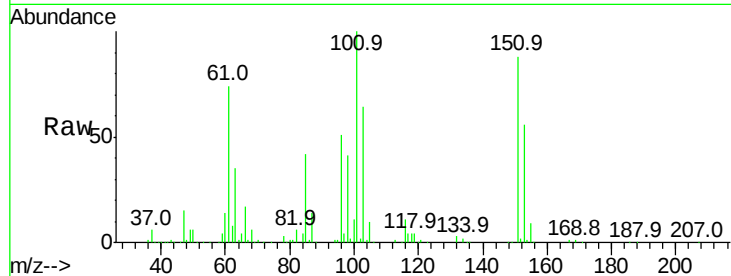
Tgt Ion:101 Resp: 451907

Ion Ratio Lower Upper

101 100

85 42.3 32.5 48.7

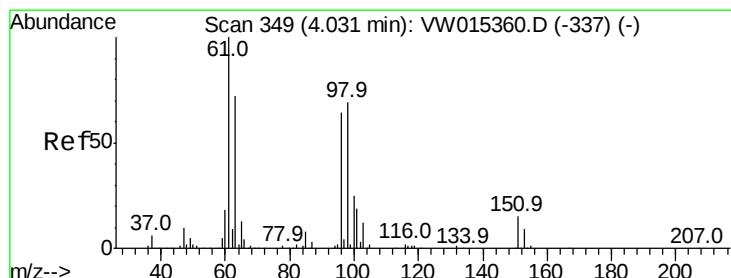
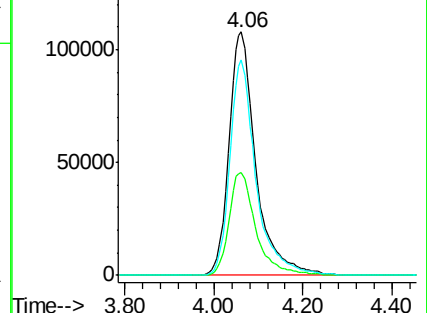
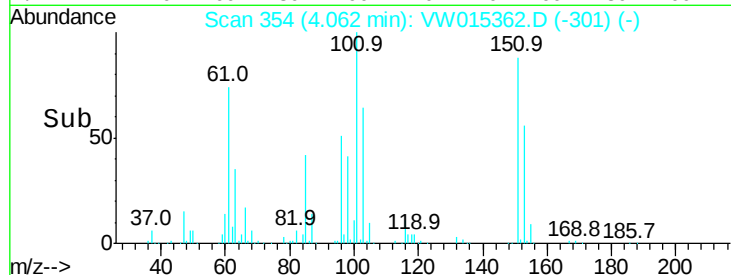
151 86.1 68.2 102.2



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: 91.545 ug/L

RT: 4.03 min Scan# 349

Delta R.T. 0.00 min

Lab File: VW015362.D

Acq: 28 Apr 2020 14:46

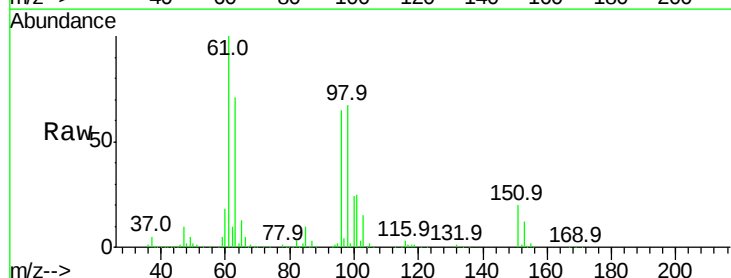
Tgt Ion: 96 Resp: 437486

Ion Ratio Lower Upper

96 100

61 154.3 109.1 202.7

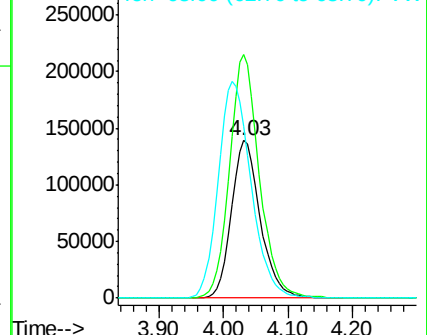
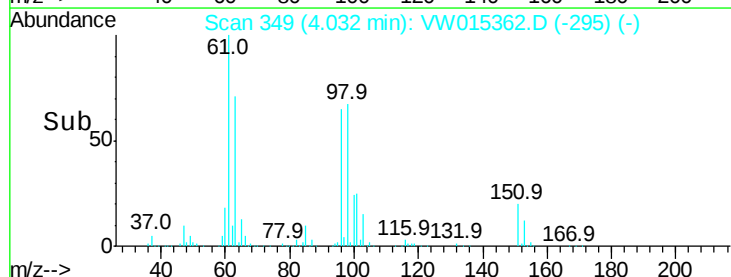
63 109.1 79.2 147.2

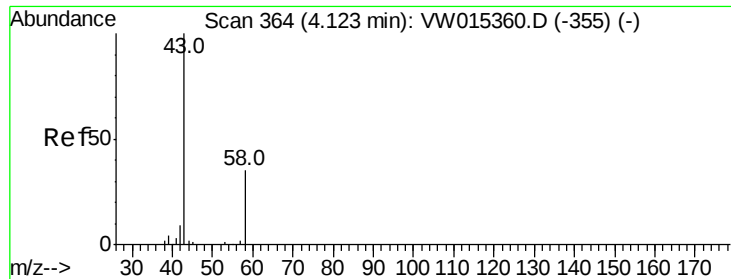


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 139.726 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

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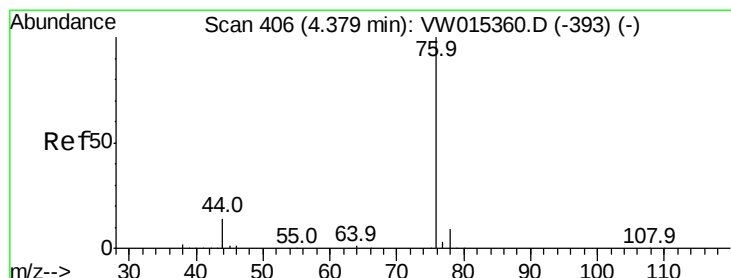
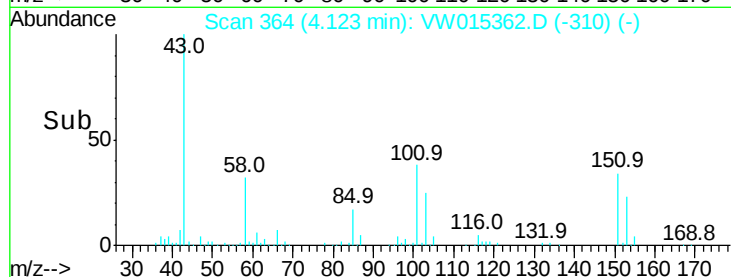
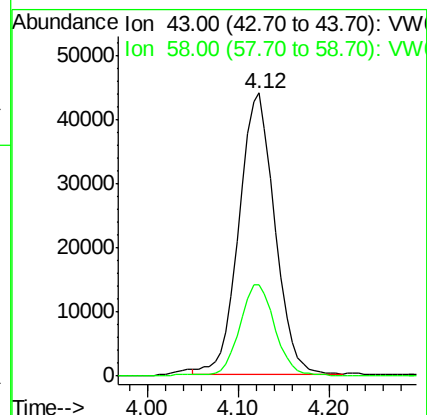
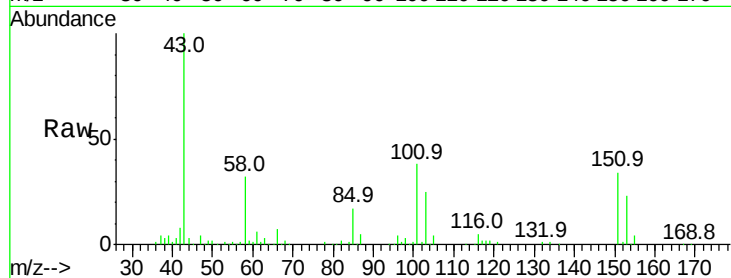
VSTD10005

Tgt Ion: 43 Resp: 120460

Ion Ratio Lower Upper

43 100

58 30.9 0.0 68.0



#14

Carbon disulfide

Concen: 81.971 ug/L

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW015362.D

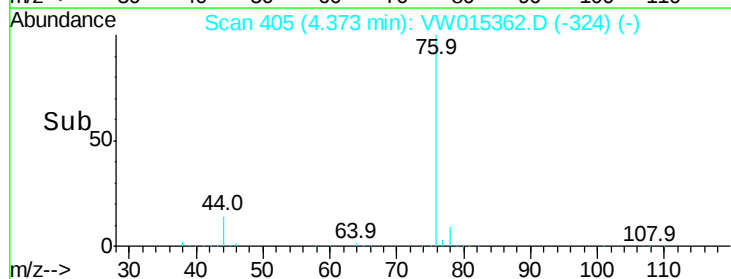
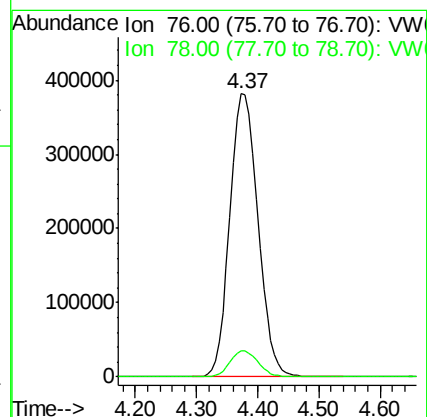
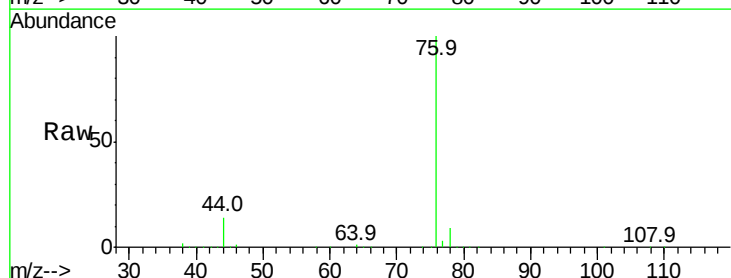
Acq: 28 Apr 2020 14:46

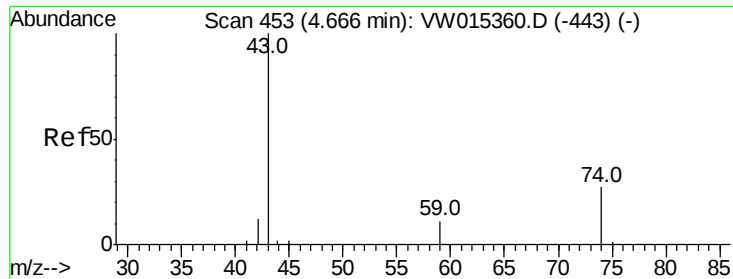
Tgt Ion: 76 Resp: 1215796

Ion Ratio Lower Upper

76 100

78 9.4 7.2 10.8

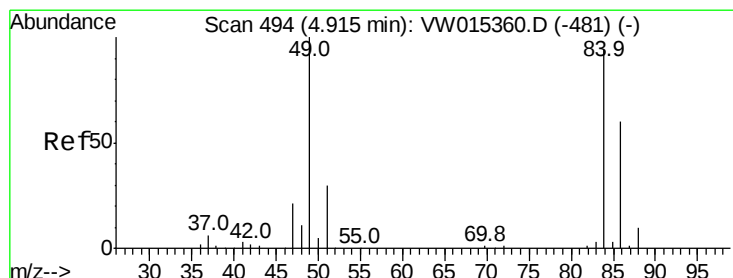
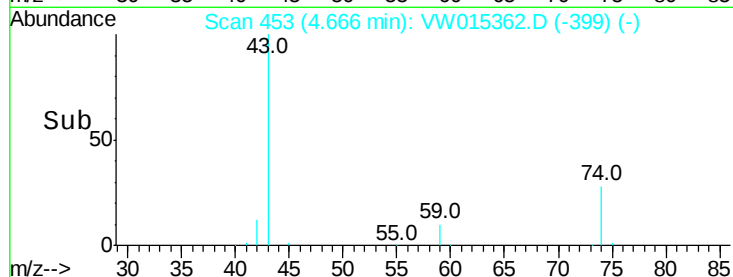
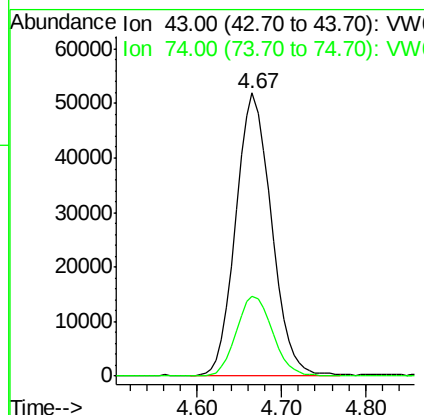
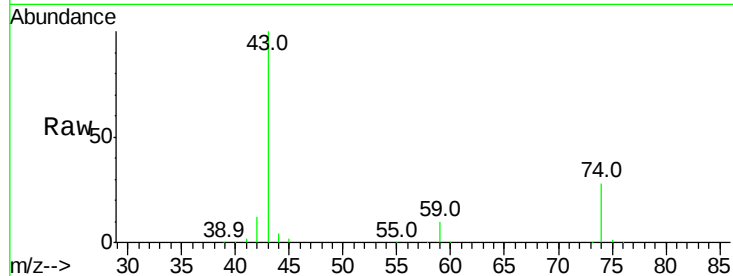




#15
Methyl Acetate
Concen: 89.018 ug/L
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW015362.D
Acq: 28 Apr 2020 14:46

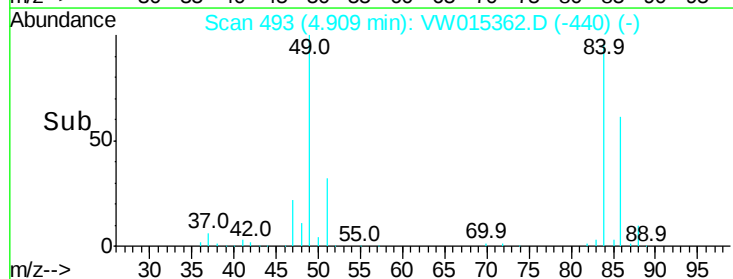
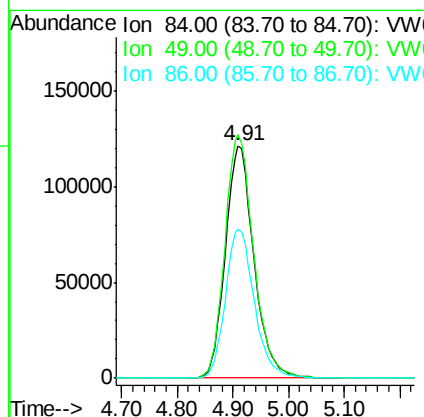
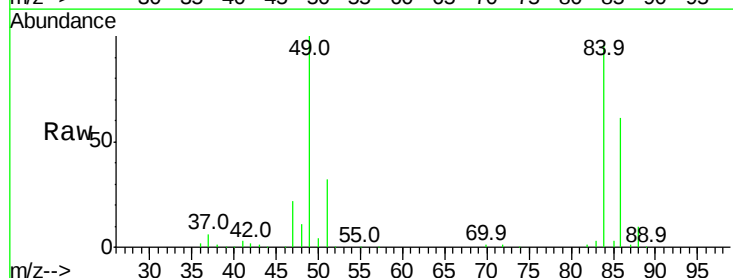
Instrument :
MSVOA_W
ClientSampleID :
VSTD10005

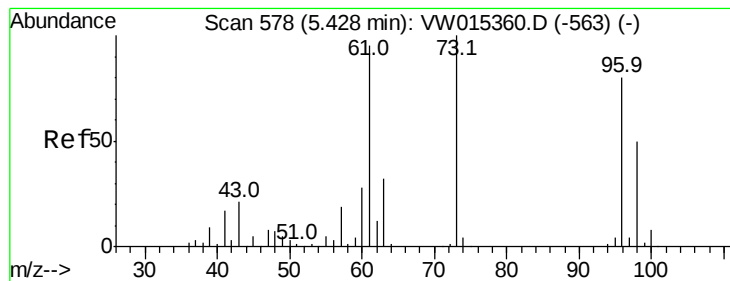
Tgt Ion: 43 Resp: 147659
Ion Ratio Lower Upper
43 100
74 28.9 23.5 35.3



#16
Methylene chloride
Concen: 81.824 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW015362.D
Acq: 28 Apr 2020 14:46

Tgt Ion: 84 Resp: 430408
Ion Ratio Lower Upper
84 100
49 104.6 74.6 138.6
86 63.9 44.6 82.8



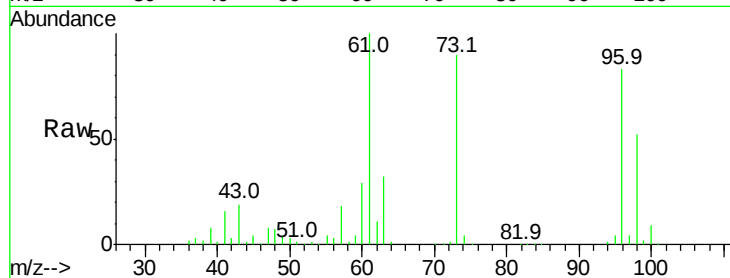


#17

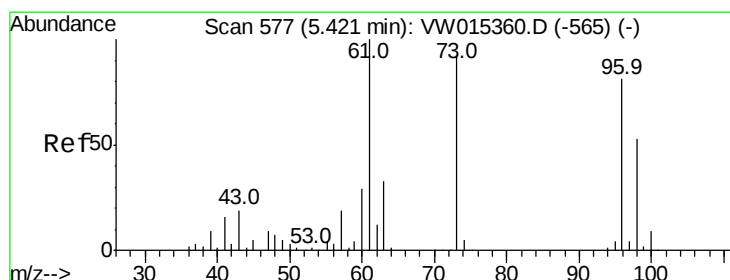
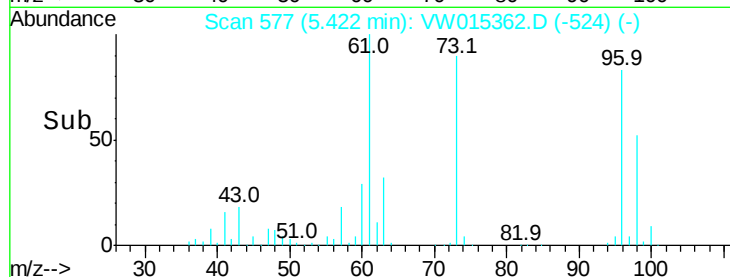
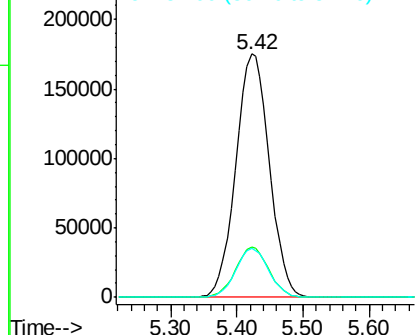
Methyl tert-butyl Ether
 Concen: 53.920 ug/L
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW015362.D
 Acq: 28 Apr 2020 14:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10005

Tgt Ion: 73 Resp: 616590
 Ion Ratio Lower Upper
 73 100
 43 20.3 16.7 25.1
 57 19.8 15.9 23.9



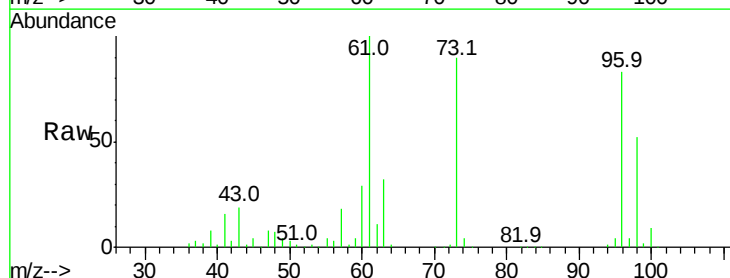
Abundance Ion 73.00 (72.70 to 73.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 57.00 (56.70 to 57.70): VW



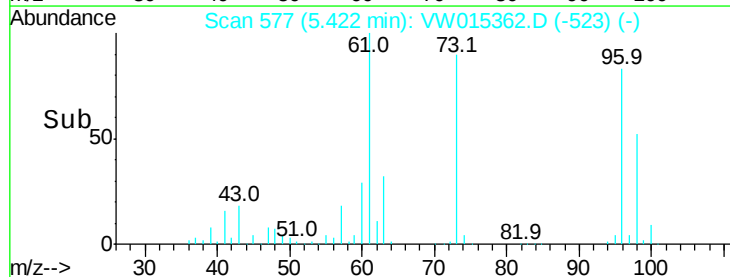
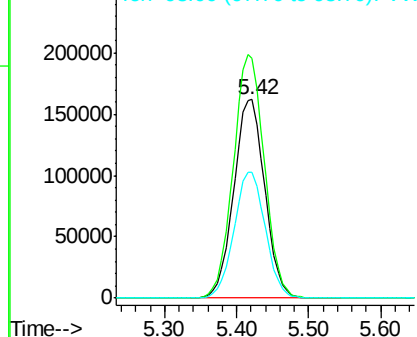
#18

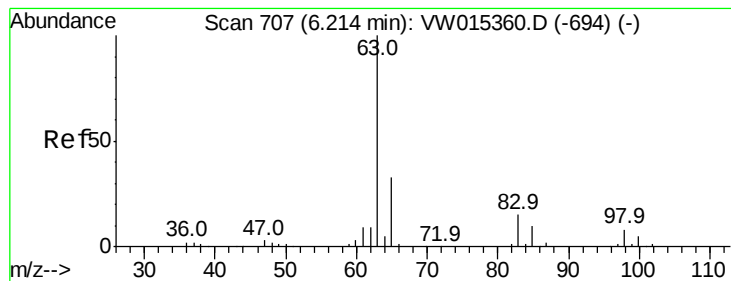
trans-1,2-Dichloroethene
 Concen: 90.748 ug/L
 RT: 5.42 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: VW015362.D
 Acq: 28 Apr 2020 14:46

Tgt Ion: 96 Resp: 484802
 Ion Ratio Lower Upper
 96 100
 61 120.7 86.4 160.4
 98 63.3 45.3 84.1



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





#19

1,1-Dichloroethane

Concen: 92.798 ug/L

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW015362.D

Acq: 28 Apr 2020 14:46

Instrument :

MSVOA_W

ClientSampleId :

VSTD10005

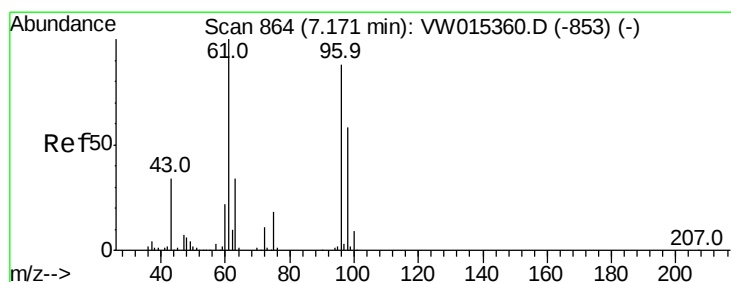
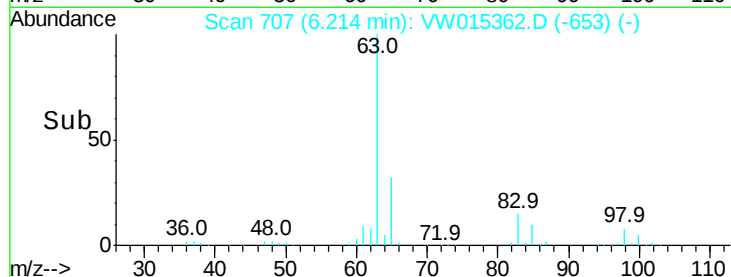
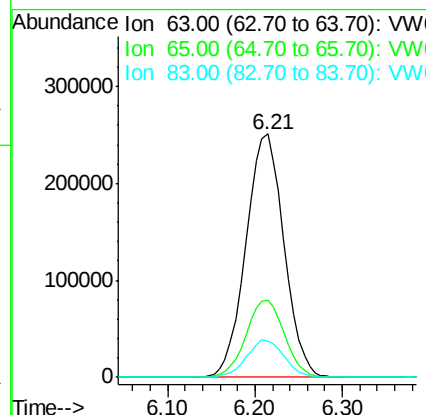
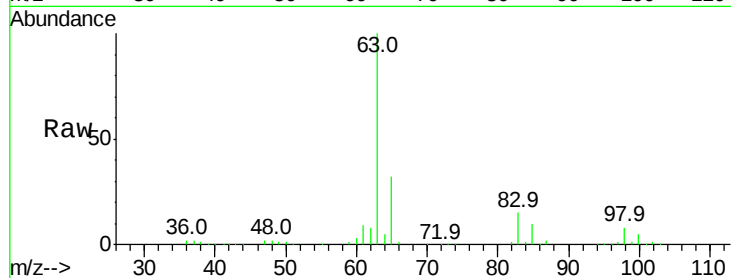
Tgt Ion: 63 Resp: 759832

Ion Ratio Lower Upper

63 100

65 31.8 23.2 43.0

83 14.8 10.4 19.4



#21

2-Butanone

Concen: 164.670 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW015362.D

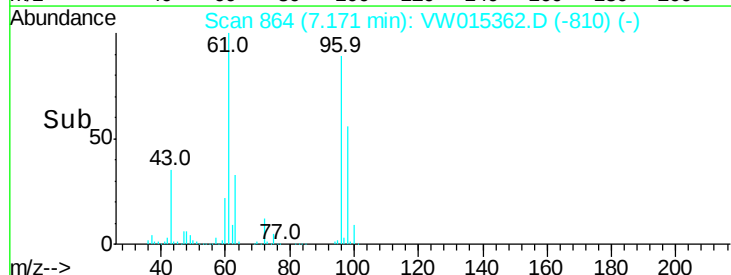
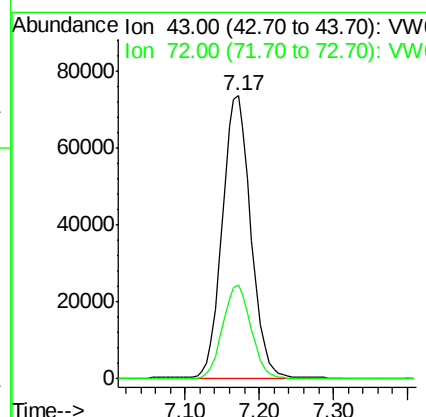
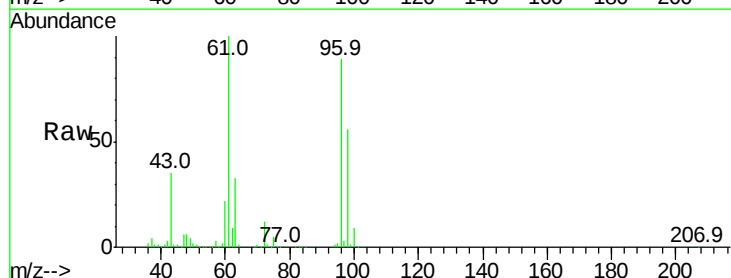
Acq: 28 Apr 2020 14:46

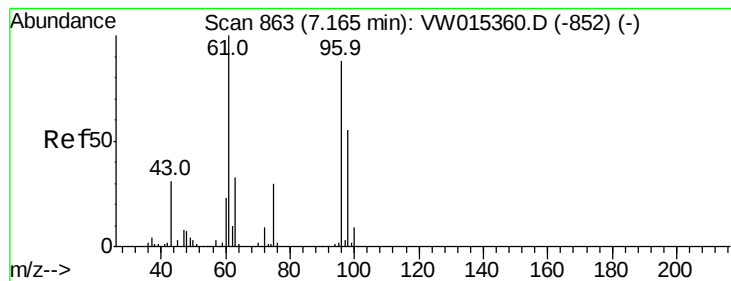
Tgt Ion: 43 Resp: 196939

Ion Ratio Lower Upper

43 100

72 33.0 16.0 47.9



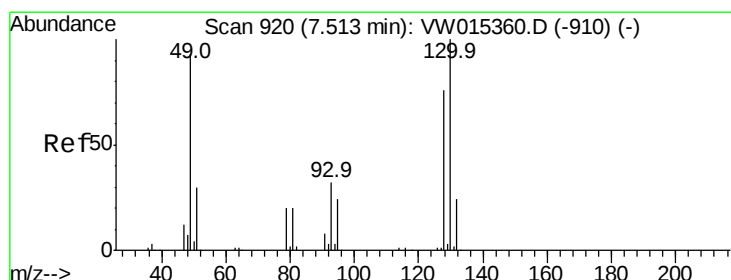
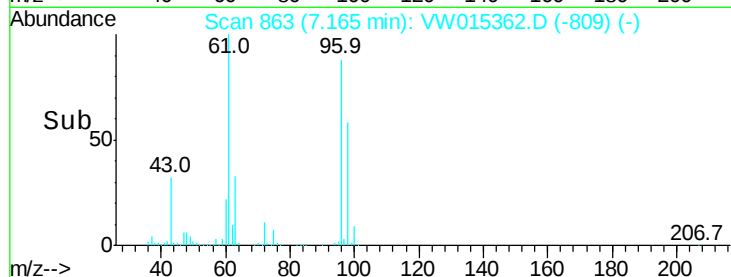
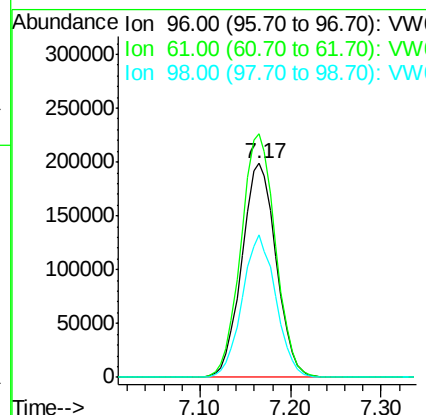
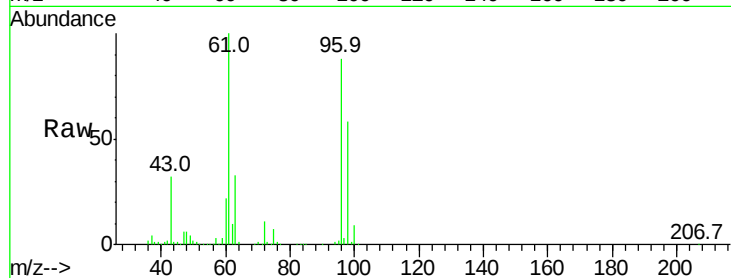


#22

cis-1,2-Dichloroethene
Concen: 93.265 ug/L
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW015362.D
Acq: 28 Apr 2020 14:46

Instrument :
MSVOA_W
ClientSampleId :
VSTD10005

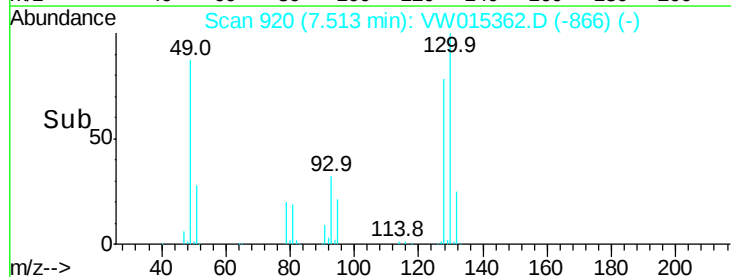
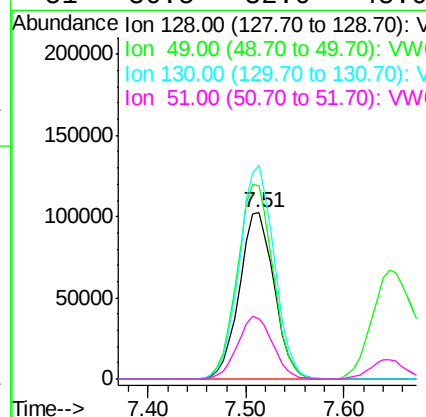
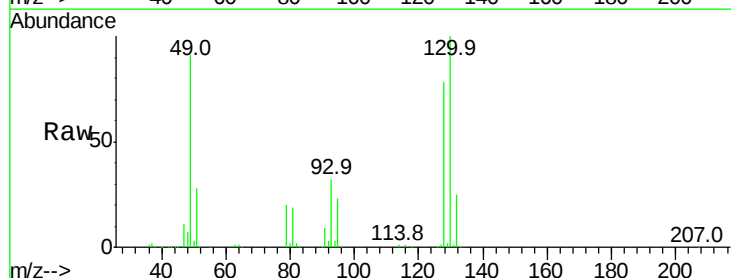
Tgt Ion: 96 Resp: 522197
Ion Ratio Lower Upper
96 100
61 113.7 79.3 147.3
98 66.4 43.6 81.0

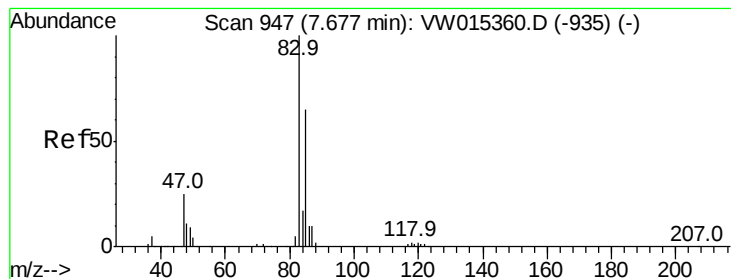


#23

Bromochloromethane
Concen: 97.384 ug/L
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW015362.D
Acq: 28 Apr 2020 14:46

Tgt Ion: 128 Resp: 252919
Ion Ratio Lower Upper
128 100
49 116.4 85.8 159.4
130 128.5 92.2 171.2
51 36.5 32.0 48.0





#25

Chloroform

Concen: 79.296 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.01 min

Lab File: VW015362.D

Acq: 28 Apr 2020 14:46

Instrument :

MSVOA_W

ClientSampleId :

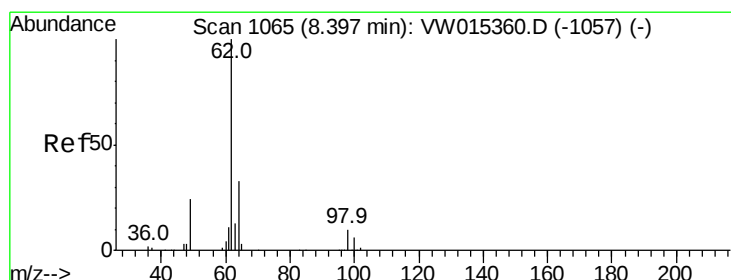
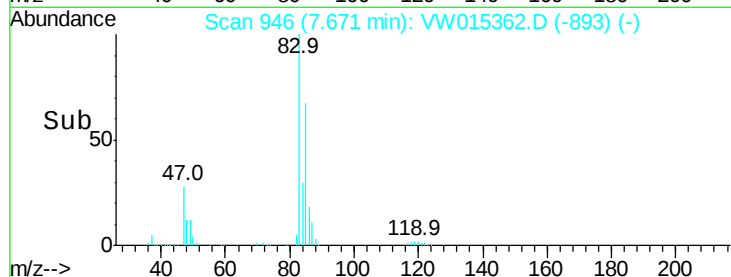
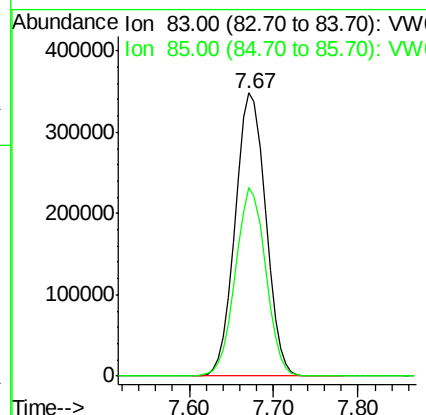
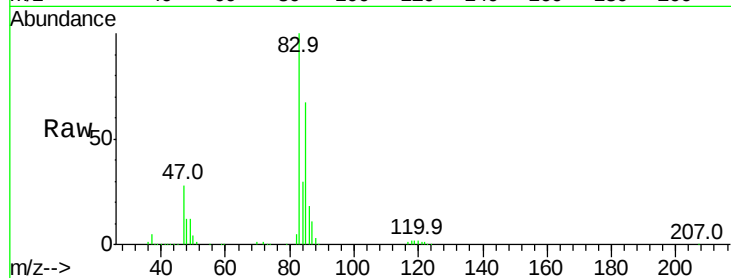
VSTD10005

Tgt Ion: 83 Resp: 855453

Ion Ratio Lower Upper

83 100

85 66.1 46.1 85.5



#27

1,2-Dichloroethane

Concen: 93.662 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW015362.D

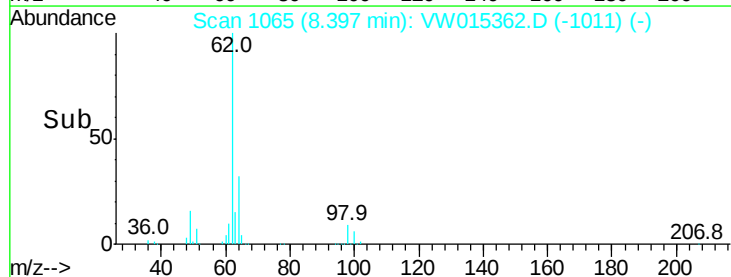
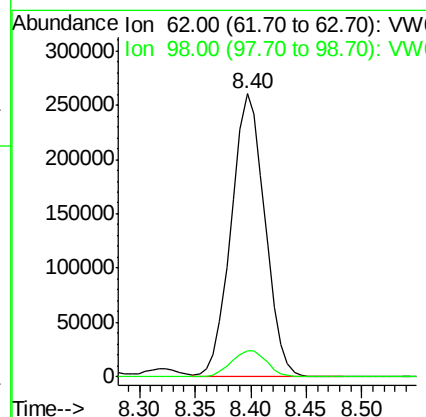
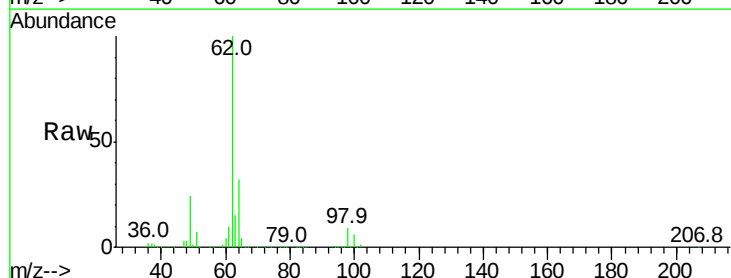
Acq: 28 Apr 2020 14:46

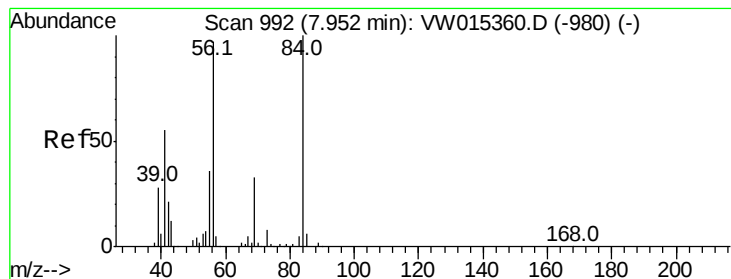
Tgt Ion: 62 Resp: 546171

Ion Ratio Lower Upper

62 100

98 9.4 7.9 11.9





#30

Cyclohexane

Concen: 90.584 ug/L

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW015362.D

Acq: 28 Apr 2020 14:46

Instrument :

MSVOA_W

ClientSampleId :

VSTD10005

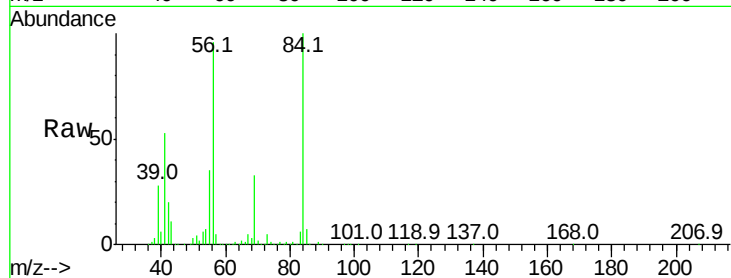
Tgt Ion: 56 Resp: 674411

Ion Ratio Lower Upper

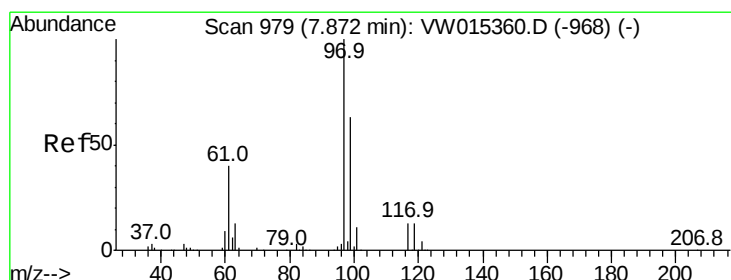
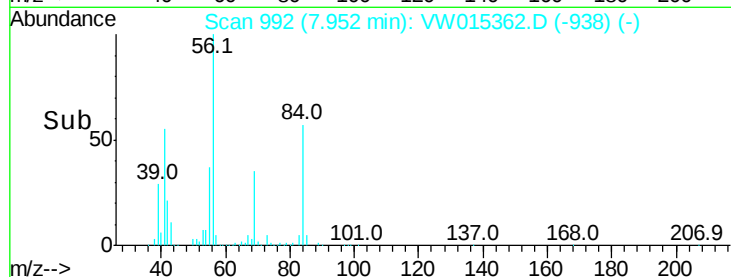
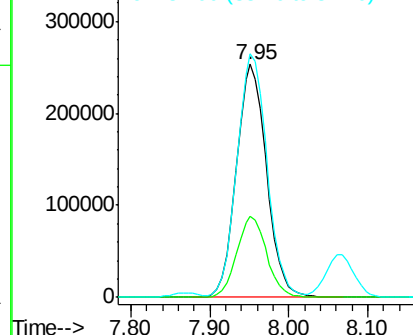
56 100

69 34.4 27.4 41.2

84 104.6 83.2 124.8



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



#31

1,1,1-Trichloroethane

Concen: 87.022 ug/L

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW015362.D

Acq: 28 Apr 2020 14:46

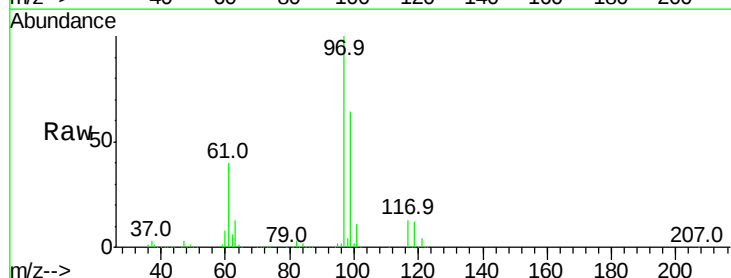
Tgt Ion: 97 Resp: 757587

Ion Ratio Lower Upper

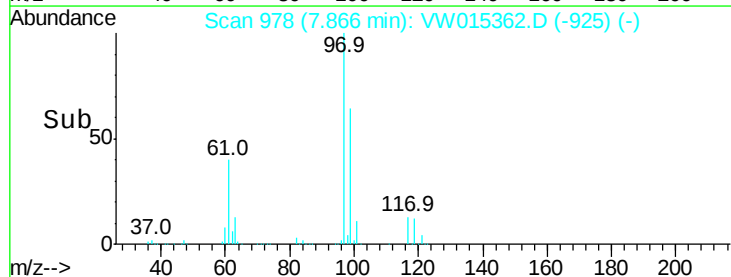
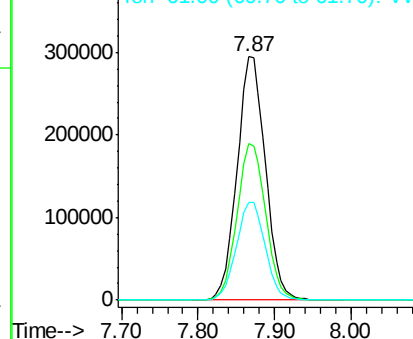
97 100

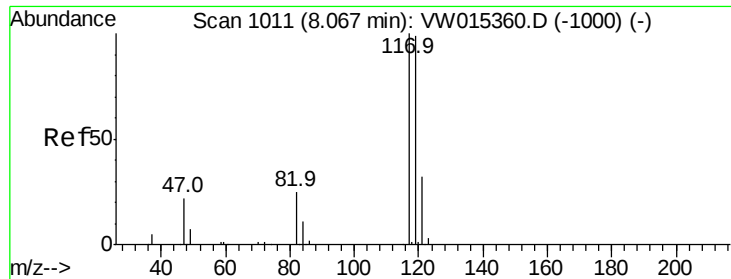
99 65.0 51.4 77.2

61 40.9 32.8 49.2



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





#32

Carbon tetrachloride

Concen: 95.191 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW015362.D

Acq: 28 Apr 2020 14:46

Instrument :

MSVOA_W

ClientSampleId :

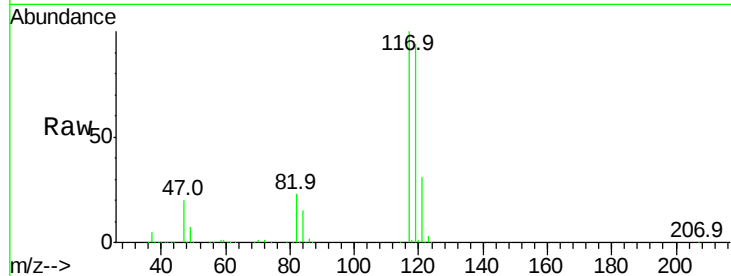
VSTD10005

Tgt Ion:117 Resp: 740287

Ion Ratio Lower Upper

117 100

119 95.8 76.5 114.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

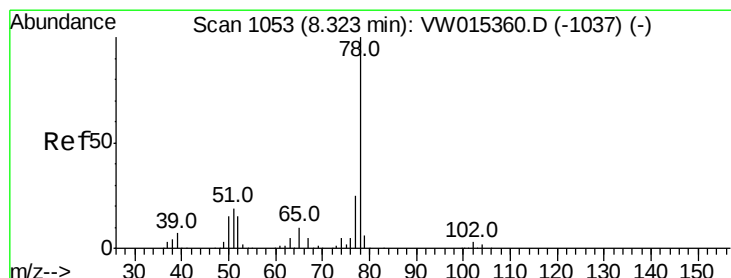
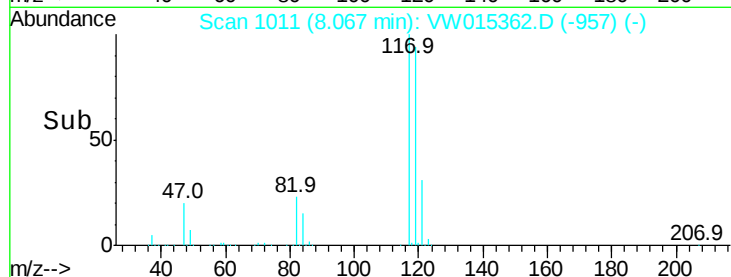
300000

200000

100000

0

Time--> 7.90 8.00 8.10 8.20



#34

Benzene

Concen: 97.199 ug/L

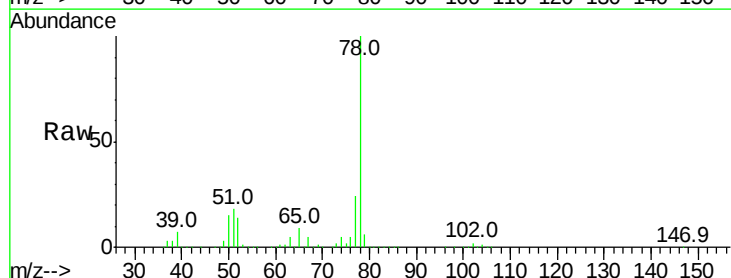
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW015362.D

Acq: 28 Apr 2020 14:46

Tgt Ion: 78 Resp: 1818362



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

800000

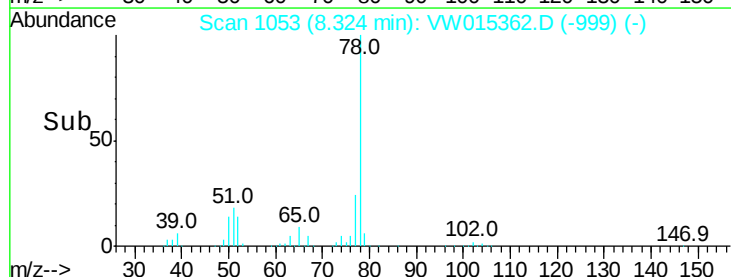
600000

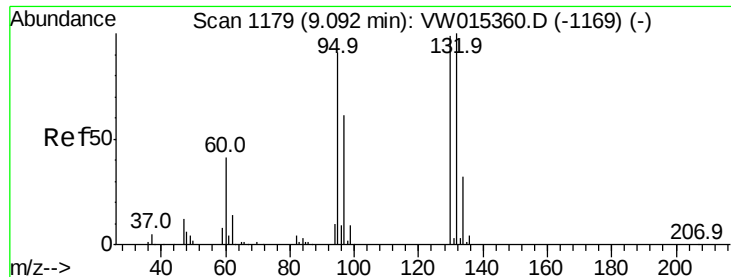
400000

200000

0

Time--> 8.20 8.30 8.40





#35

Trichloroethene

Concen: 98.976 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW015362.D

Acq: 28 Apr 2020 14:46

Instrument :

MSVOA_W

ClientSampleId :

VSTD10005

Tgt Ion: 95 Resp: 537221

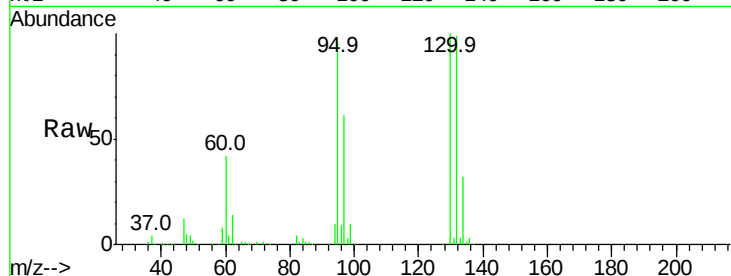
Ion Ratio Lower Upper

95 100

97 63.9 45.9 85.3

132 105.0 75.2 139.6

130 108.5 76.7 142.5

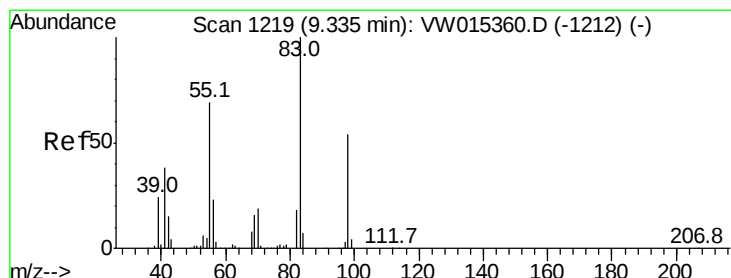
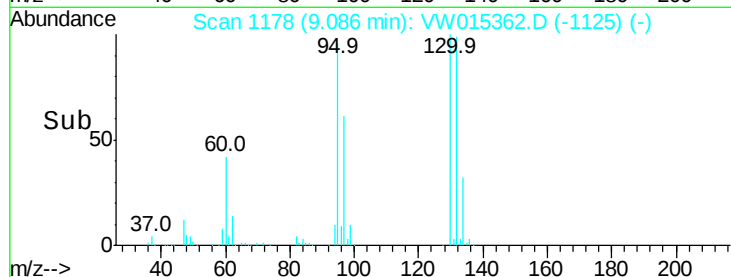
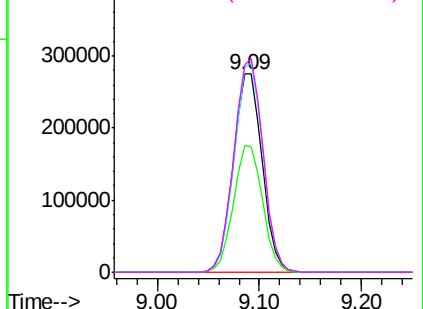


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 95.894 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW015362.D

Acq: 28 Apr 2020 14:46

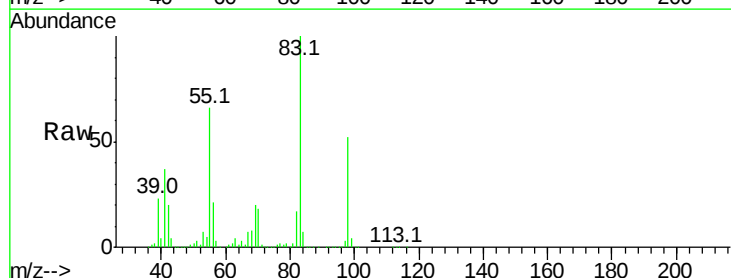
Tgt Ion: 83 Resp: 882982

Ion Ratio Lower Upper

83 100

55 67.0 53.7 80.5

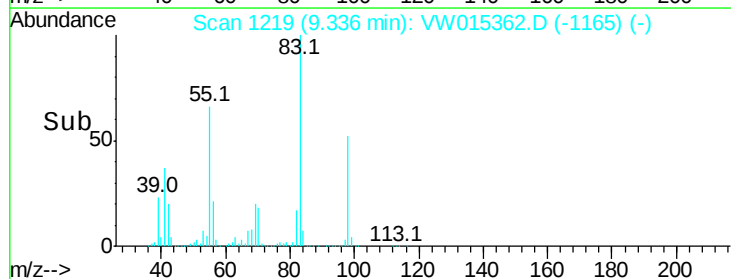
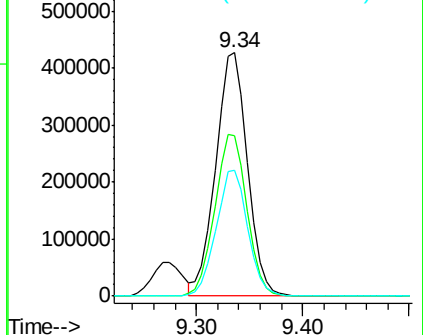
98 51.7 42.3 63.5

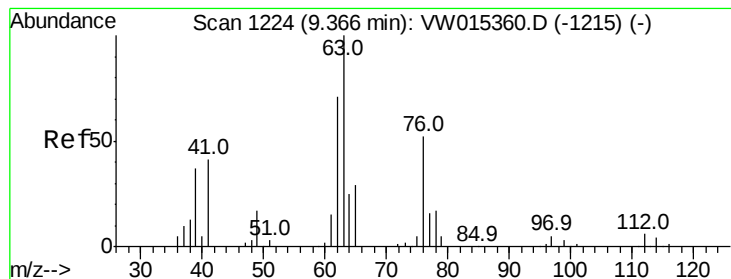


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 97.192 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW015362.D

Acq: 28 Apr 2020 14:46

Instrument :

MSVOA_W

ClientSampleId :

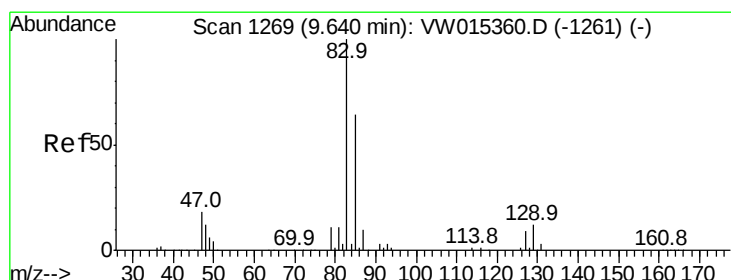
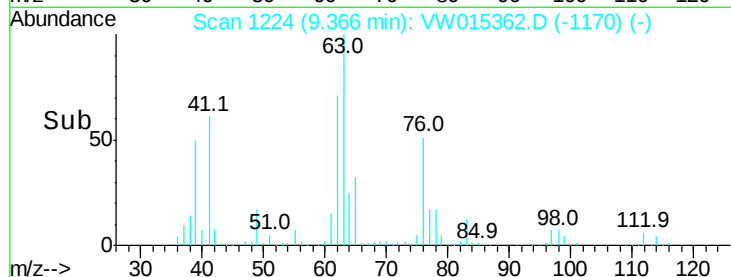
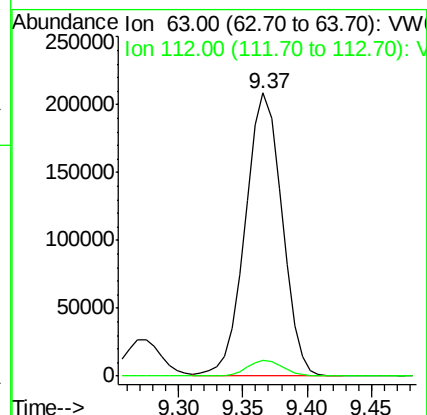
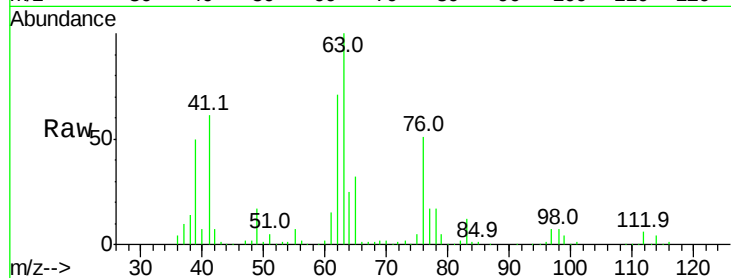
VSTD10005

Tgt Ion: 63 Resp: 413677

Ion Ratio Lower Upper

63 100

112 5.5 4.6 6.8



#41

Bromodichloromethane

Concen: 98.971 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW015362.D

Acq: 28 Apr 2020 14:46

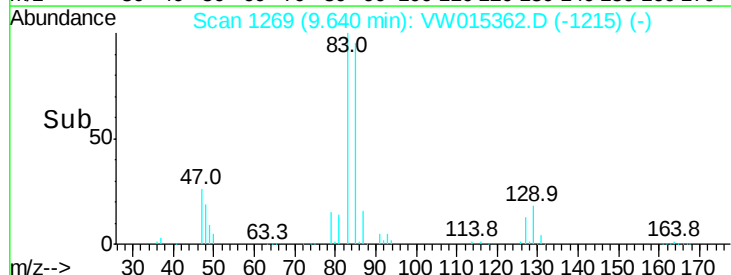
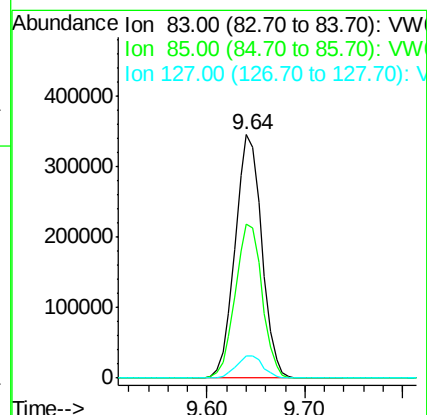
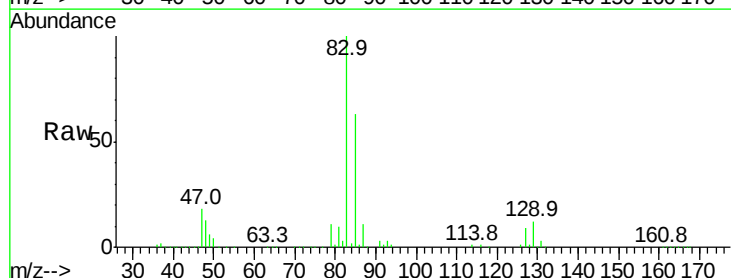
Tgt Ion: 83 Resp: 652649

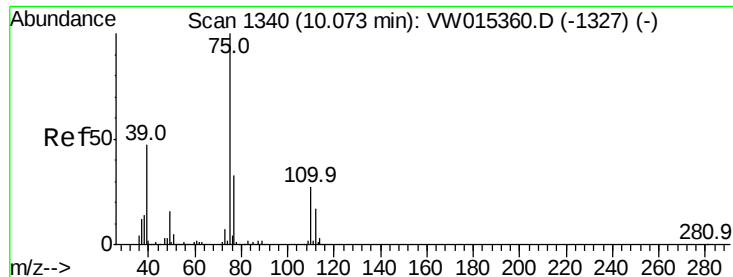
Ion Ratio Lower Upper

83 100

85 63.4 44.7 83.1

127 8.9 7.0 10.6





#42

cis-1,3-Dichloropropene

Concen: 100.056 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW015362.D

Acq: 28 Apr 2020 14:46

Instrument :

MSVOA_W

ClientSampled :

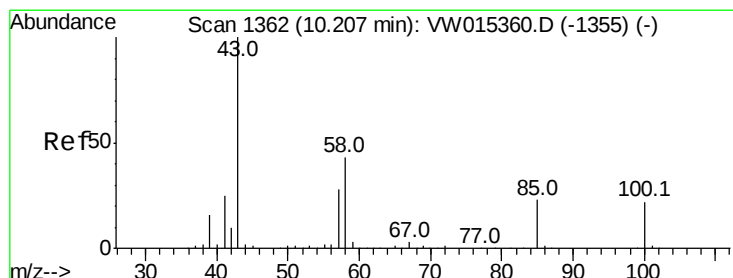
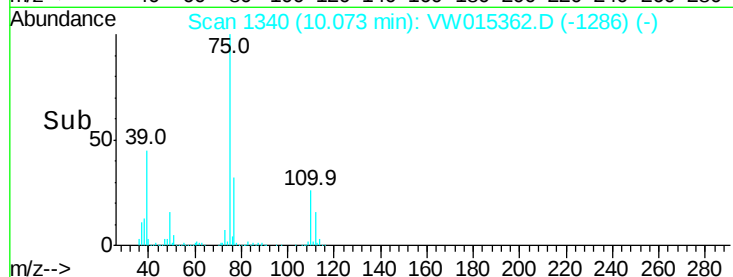
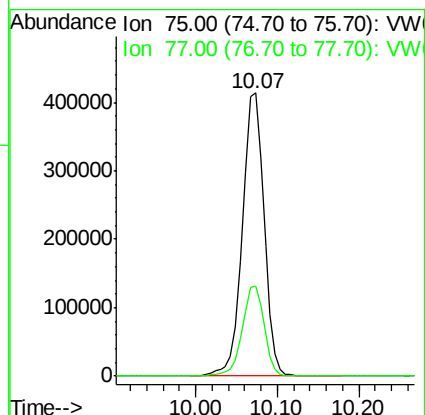
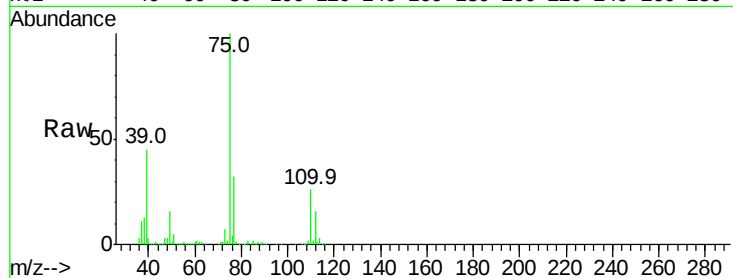
VSTD10005

Tgt Ion: 75 Resp: 761693

Ion Ratio Lower Upper

75 100

77 31.8 22.7 42.3



#43

4-Methyl-2-pentanone

Concen: 197.861 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW015362.D

Acq: 28 Apr 2020 14:46

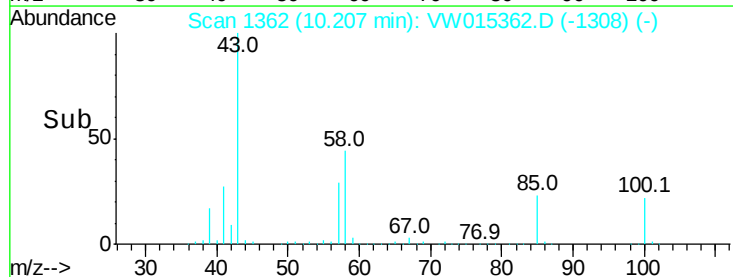
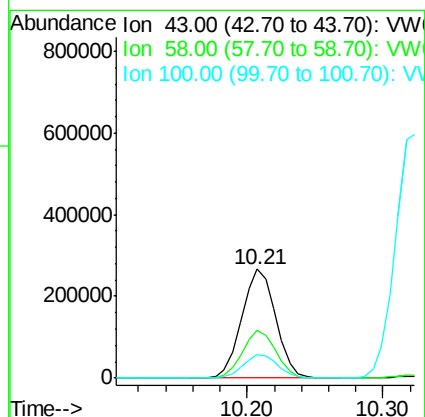
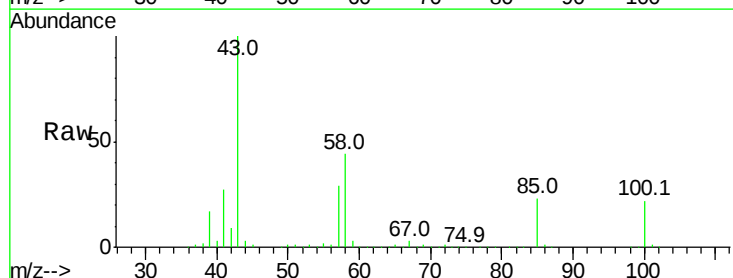
Tgt Ion: 43 Resp: 463916

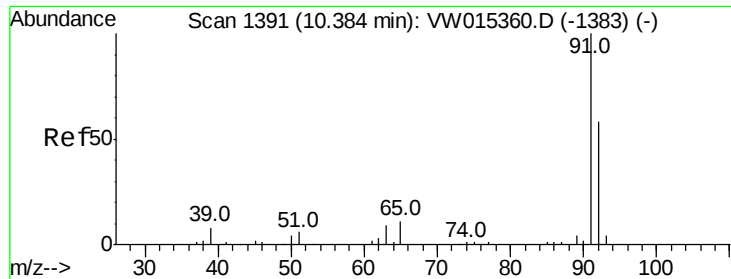
Ion Ratio Lower Upper

43 100

58 43.2 34.2 51.4

100 21.7 17.2 25.8





#44

Toluene

Concen: 95.452 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW015362.D

Acq: 28 Apr 2020 14:46

Instrument :

MSVOA_W

ClientSampleId :

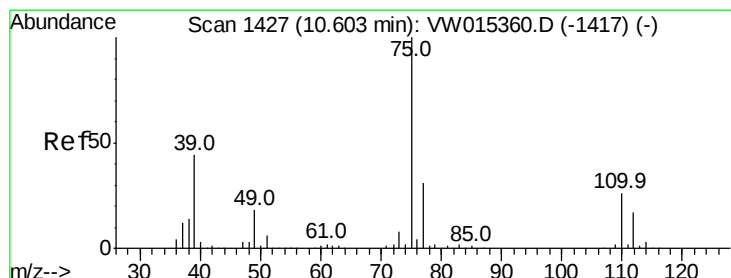
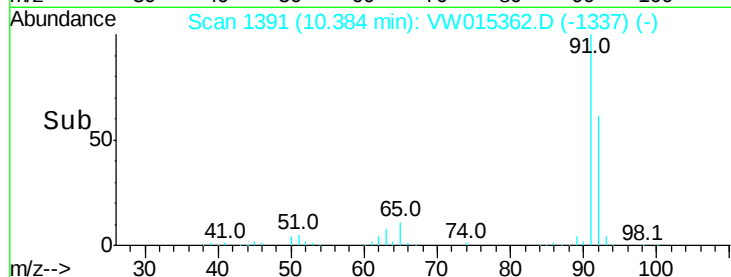
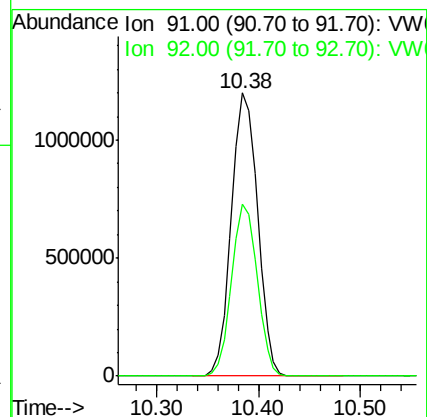
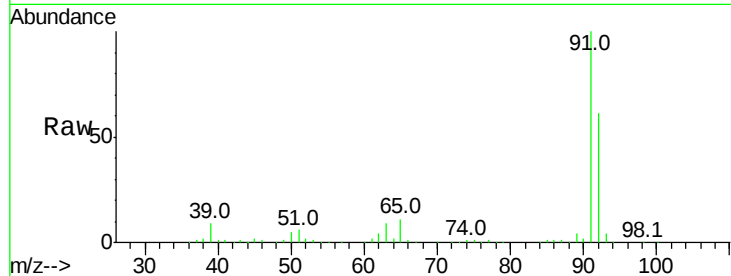
VSTD10005

Tgt Ion: 91 Resp: 2134888

Ion Ratio Lower Upper

91 100

92 61.0 40.7 75.7



#45

trans-1,3-Dichloropropene

Concen: 100.675 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW015362.D

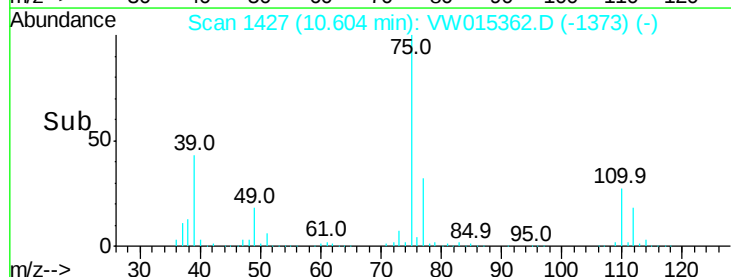
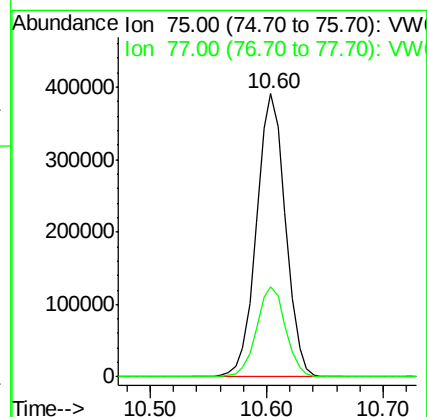
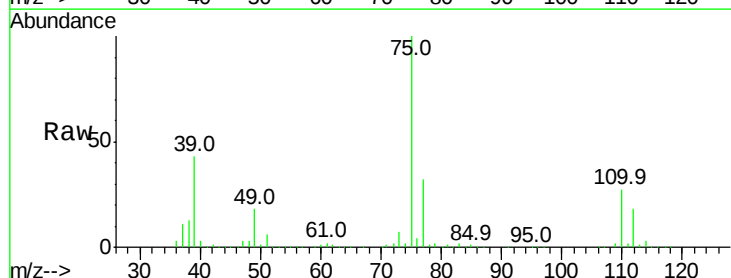
Acq: 28 Apr 2020 14:46

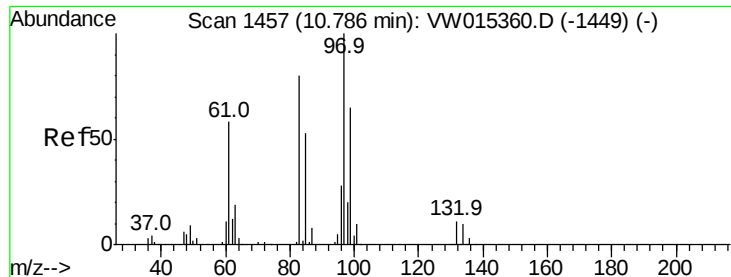
Tgt Ion: 75 Resp: 676003

Ion Ratio Lower Upper

75 100

77 31.9 22.0 41.0





#46

1,1,2-Trichloroethane

Concen: 98.839 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW015362.D

Acq: 28 Apr 2020 14:46

Instrument :

MSVOA_W

ClientSampleId :

VSTD10005

Tgt Ion: 97 Resp: 359954

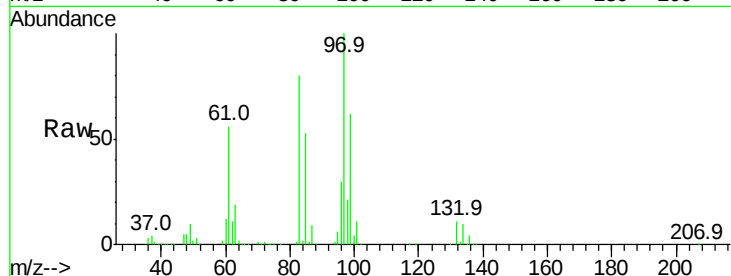
Ion Ratio Lower Upper

97 100

83 80.5 56.1 104.1

85 52.7 37.2 69.0

99 62.2 45.6 84.6

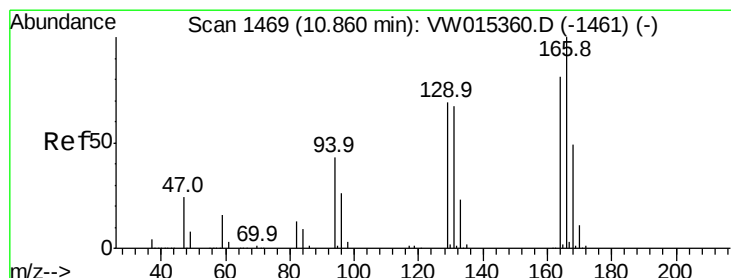
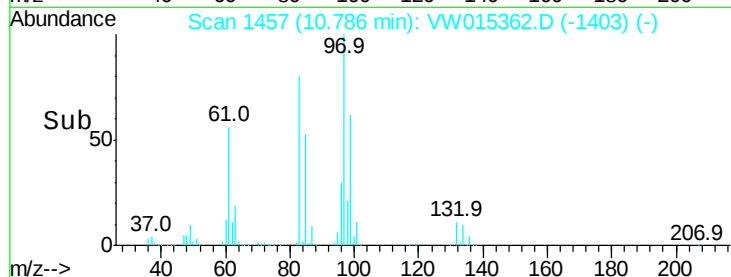
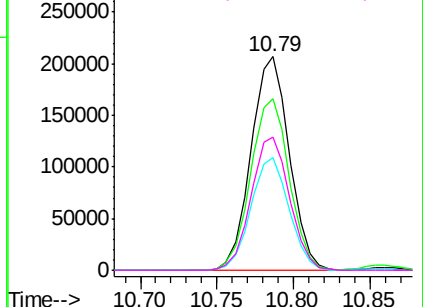


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 97.960 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW015362.D

Acq: 28 Apr 2020 14:46

Tgt Ion: 164 Resp: 499604

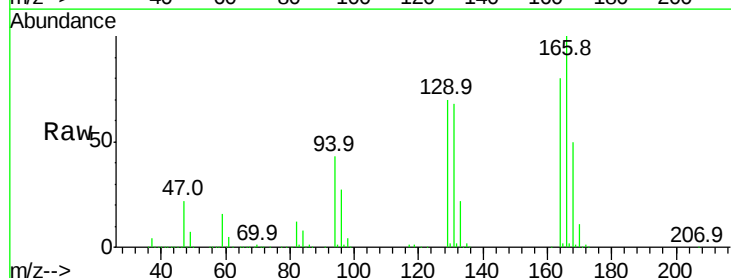
Ion Ratio Lower Upper

164 100

129 87.7 60.0 111.4

131 85.8 58.0 107.8

166 125.3 86.5 160.6

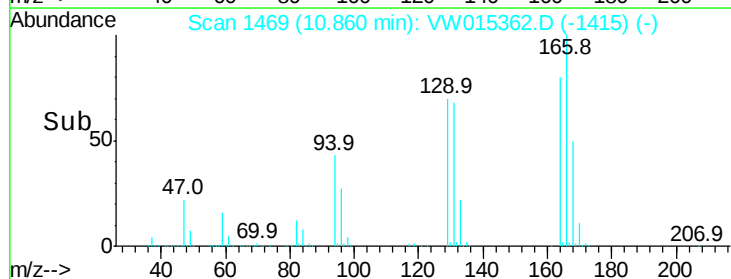
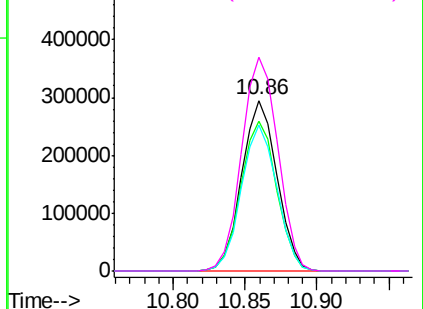


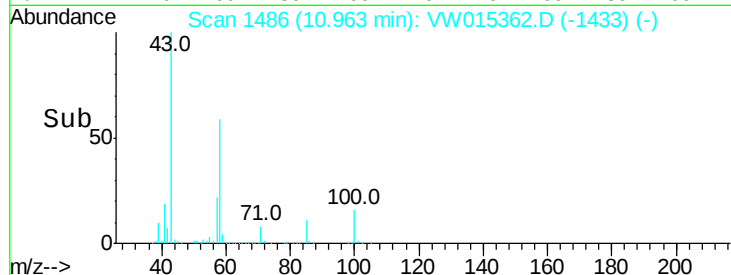
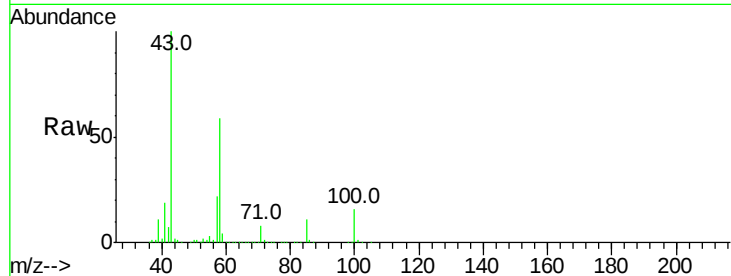
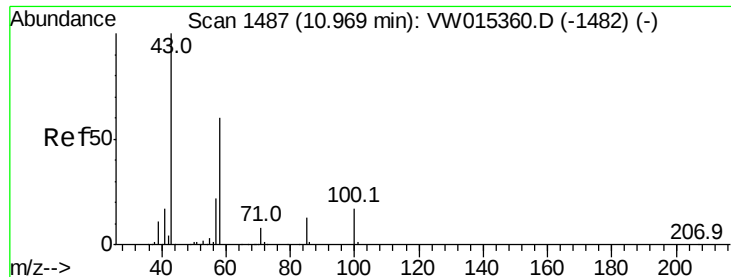
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

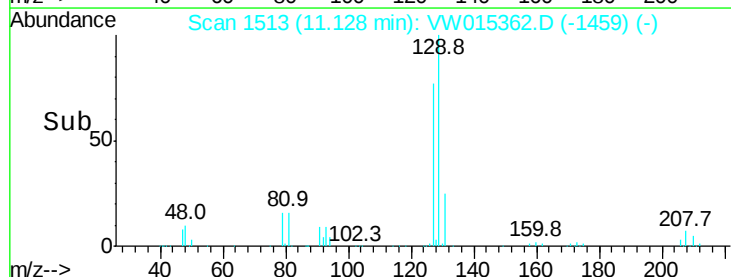
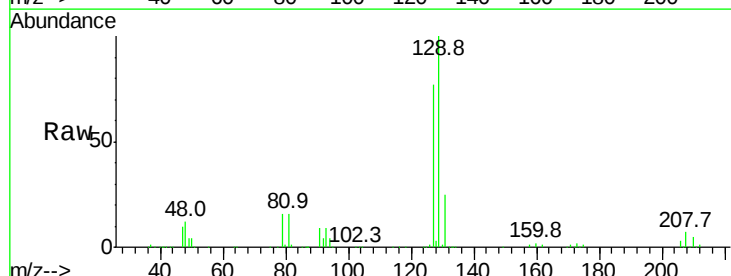
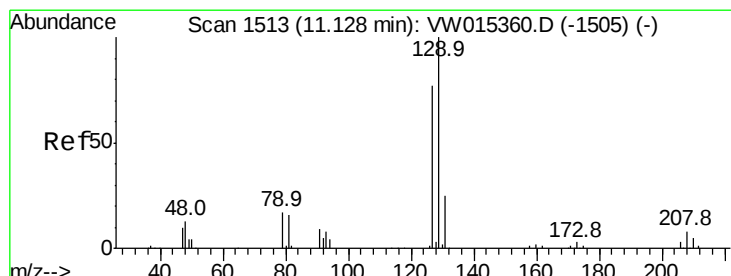
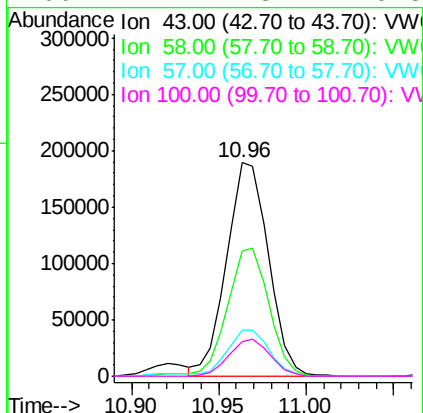




#49
2-Hexanone
Concen: 183.949 ug/L
RT: 10.96 min Scan# 1486
Delta R.T. -0.01 min
Lab File: VW015362.D
Acq: 28 Apr 2020 14:46

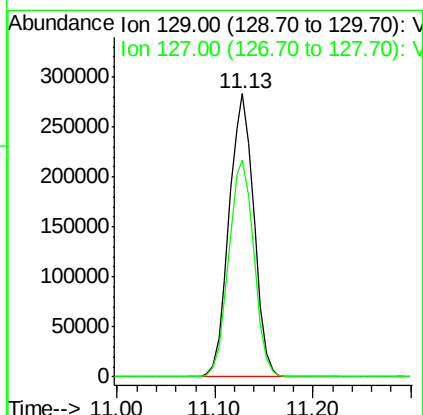
Instrument :
MSVOA_W
ClientSampleId :
VSTD10005

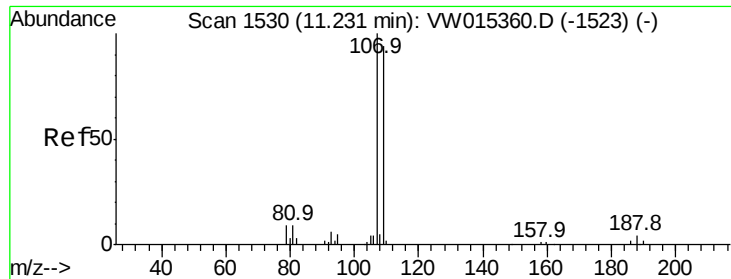
Tgt Ion: 43 Resp: 316604
Ion Ratio Lower Upper
43 100
58 59.1 47.1 70.7
57 21.7 16.9 25.3
100 17.2 13.2 19.8



#50
Dibromochloromethane
Concen: 102.378 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW015362.D
Acq: 28 Apr 2020 14:46

Tgt Ion: 129 Resp: 496959
Ion Ratio Lower Upper
129 100
127 76.8 53.9 100.1





#51

1,2-Dibromoethane

Concen: 100.892 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW015362.D

Acq: 28 Apr 2020 14:46

Instrument :

MSVOA_W

ClientSampled :

VSTD10005

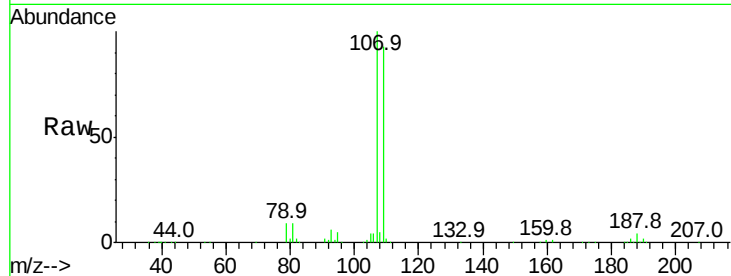
Tgt Ion:107 Resp: 366919

Ion Ratio Lower Upper

107 100

109 92.8 65.9 122.5

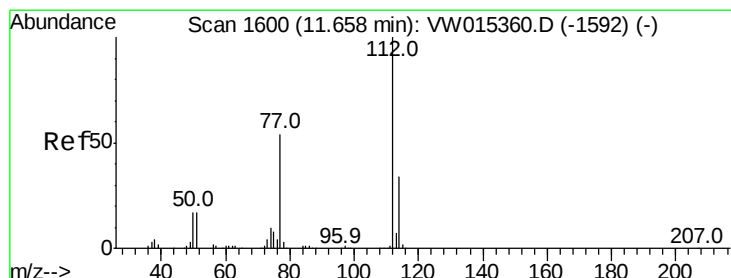
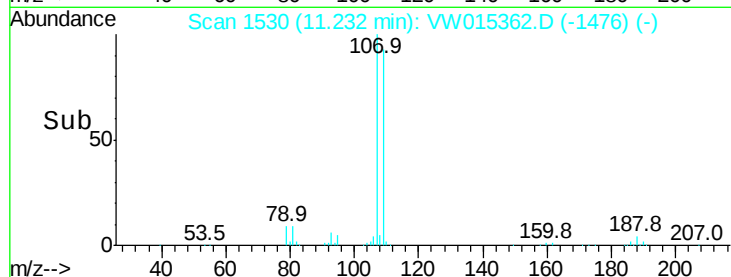
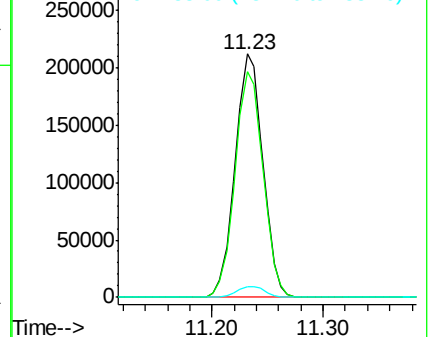
188 4.3 3.6 5.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 96.185 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW015362.D

Acq: 28 Apr 2020 14:46

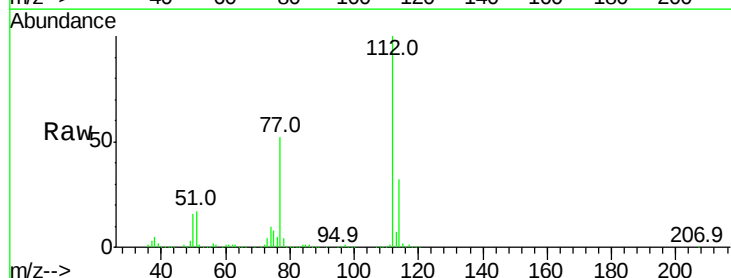
Tgt Ion:112 Resp: 1447194

Ion Ratio Lower Upper

112 100

77 51.5 43.8 65.6

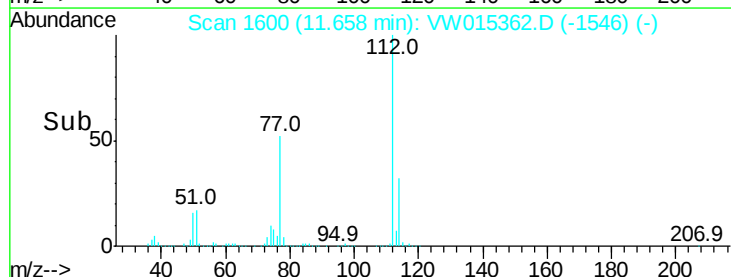
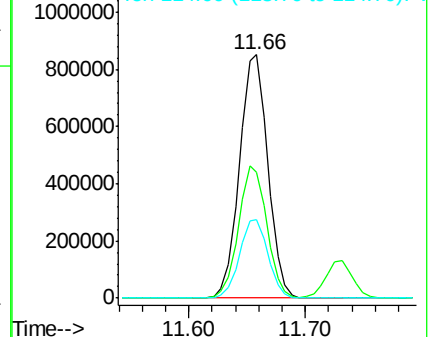
114 32.2 23.5 43.7

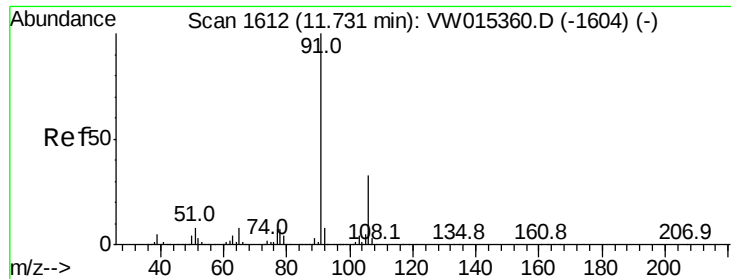


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 114.00 (113.70 to 114.70): V

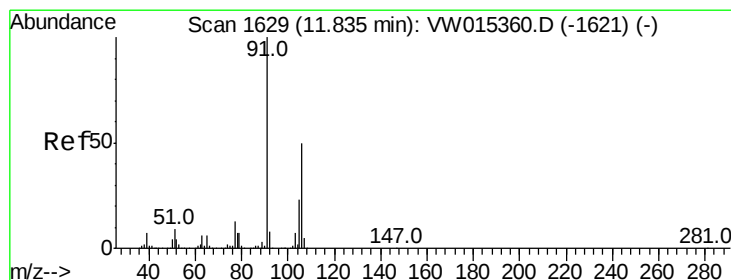
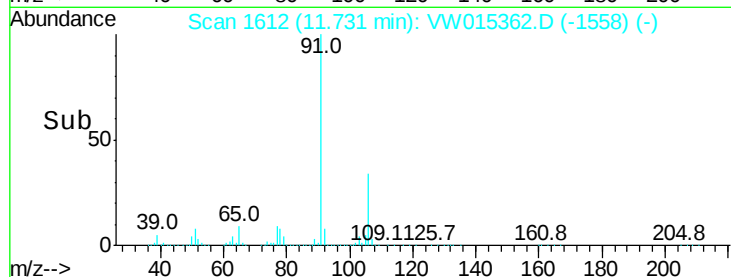
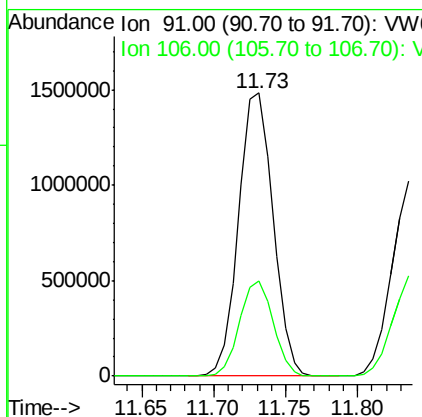
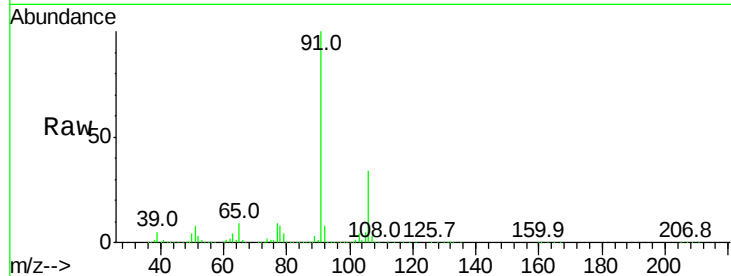




#53
Ethylbenzene
Concen: 94.084 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015362.D
Acq: 28 Apr 2020 14:46

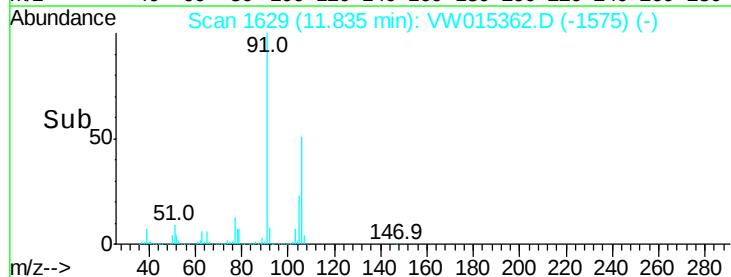
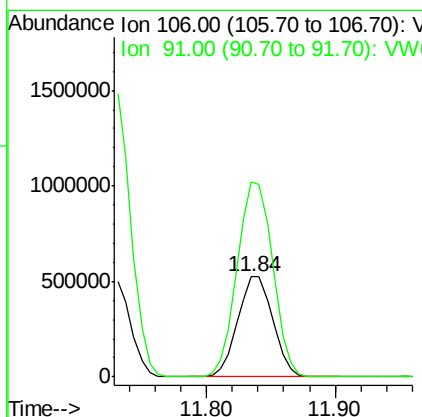
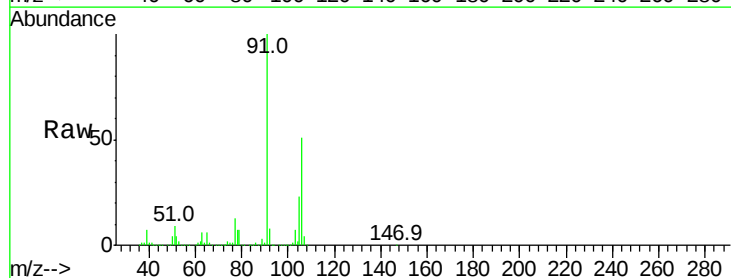
Instrument :
MSVOA_W
ClientSampleId :
VSTD10005

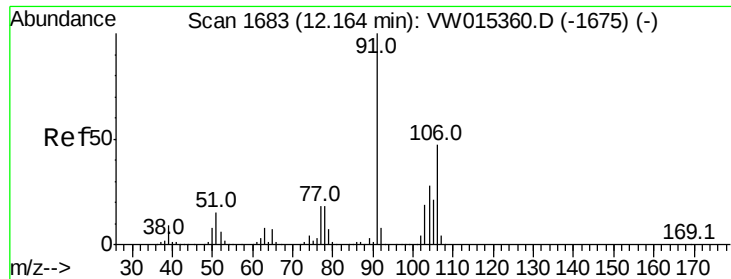
Tgt Ion: 91 Resp: 2471317
Ion Ratio Lower Upper
91 100
106 33.7 23.0 42.8



#54
m,p-Xylene
Concen: 94.275 ug/L
RT: 11.84 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW015362.D
Acq: 28 Apr 2020 14:46

Tgt Ion: 106 Resp: 992855
Ion Ratio Lower Upper
106 100
91 195.3 140.8 261.4





#55

o-xylene

Concen: 95.057 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW015362.D

Acq: 28 Apr 2020 14:46

Instrument :

MSVOA_W

ClientSampled :

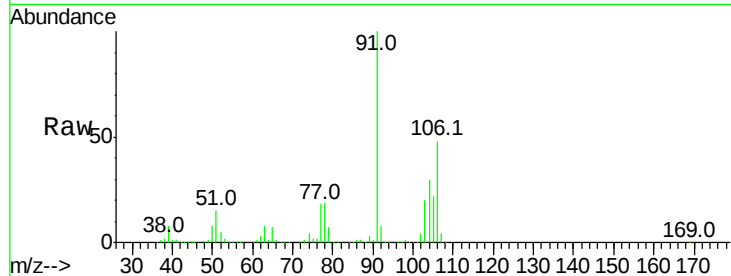
VSTD10005

Tgt Ion:106 Resp: 948727

Ion Ratio Lower Upper

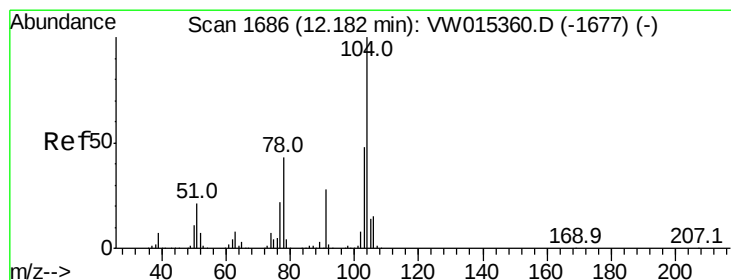
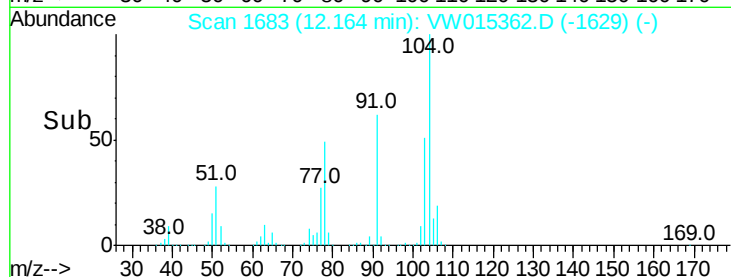
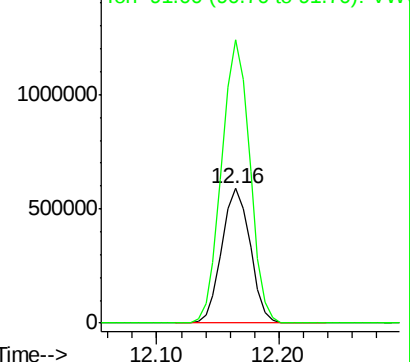
106 100

91 209.9 147.5 273.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 96.796 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VW015362.D

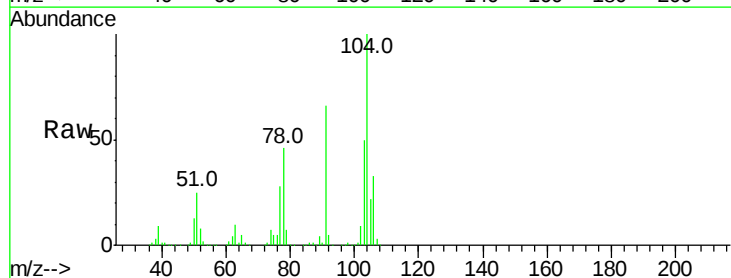
Acq: 28 Apr 2020 14:46

Tgt Ion:104 Resp: 1643705

Ion Ratio Lower Upper

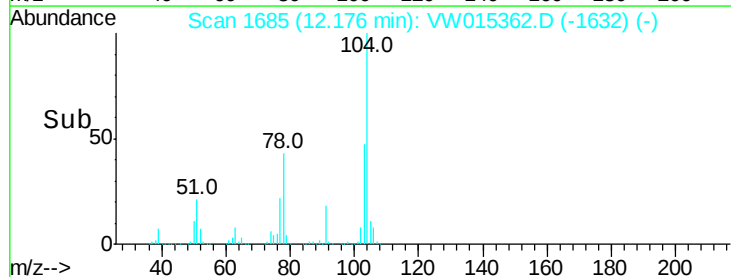
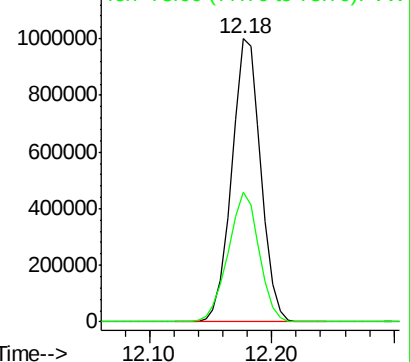
104 100

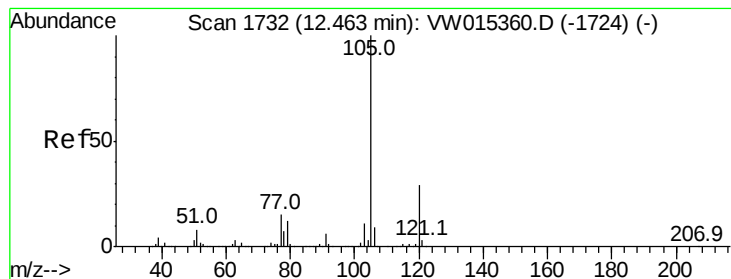
78 45.7 30.1 55.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 94.202 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015362.D

Acq: 28 Apr 2020 14:46

Instrument :

MSVOA_W

ClientSampleId :

VSTD10005

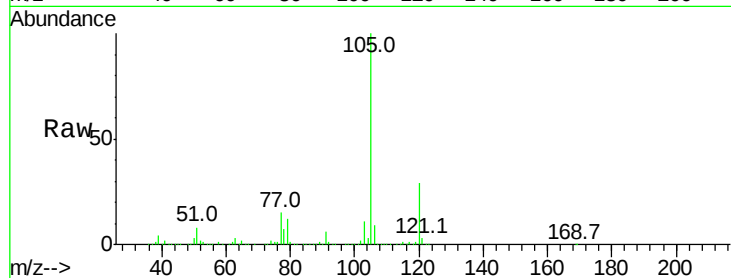
Tgt Ion:105 Resp: 2595278

Ion Ratio Lower Upper

105 100

120 27.9 22.4 33.6

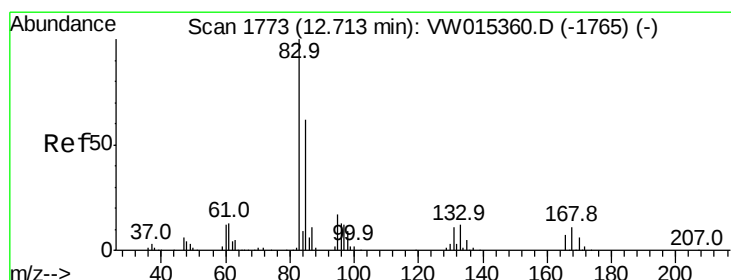
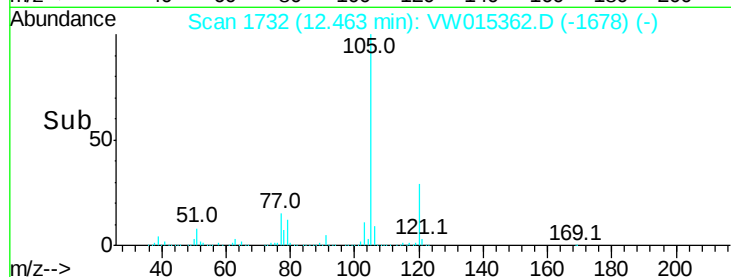
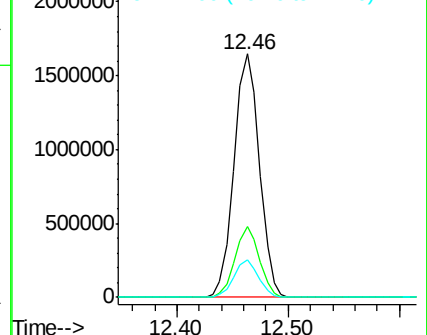
77 14.9 12.2 18.2



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: 99.420 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015362.D

Acq: 28 Apr 2020 14:46

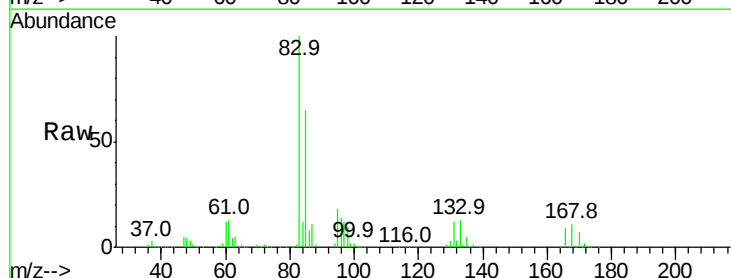
Tgt Ion: 83 Resp: 397660

Ion Ratio Lower Upper

83 100

85 65.3 43.8 81.3

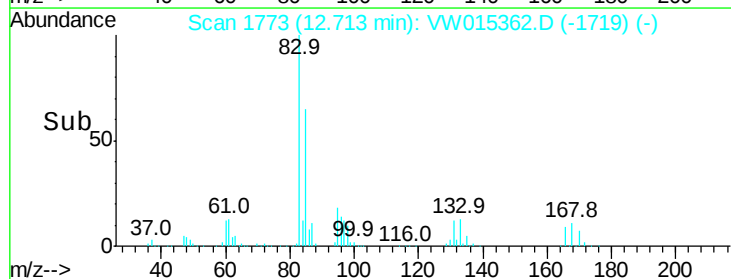
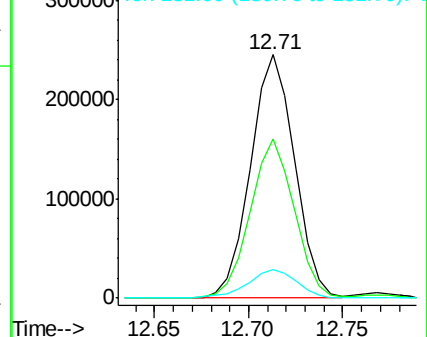
131 11.7 9.1 13.7

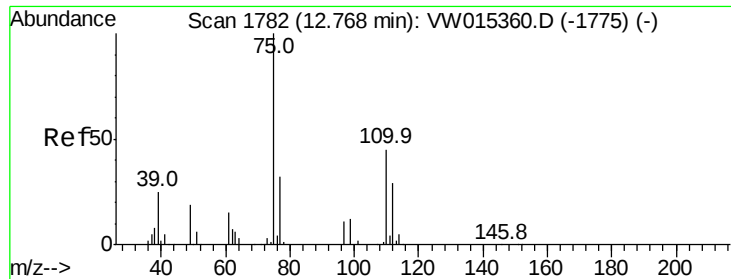


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 96.196 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW015362.D

Acq: 28 Apr 2020 14:46

Instrument :

MSVOA_W

ClientSampleId :

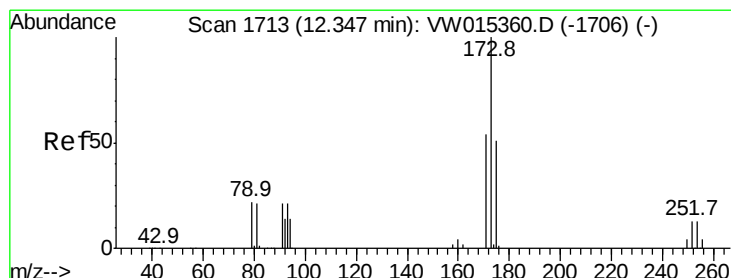
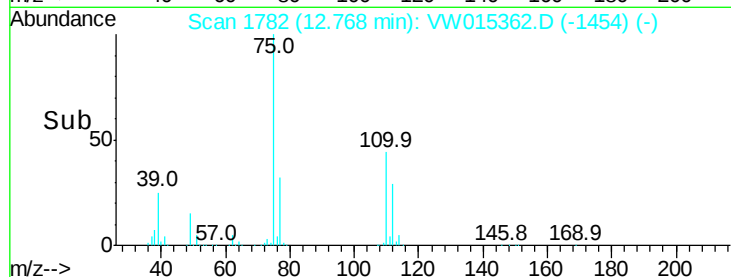
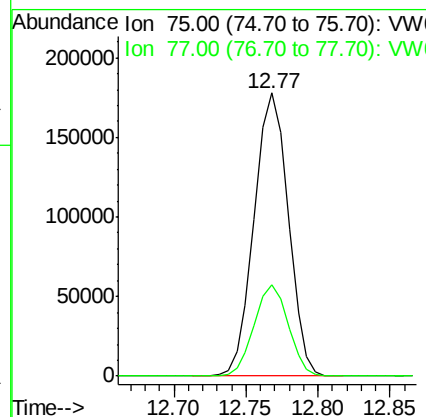
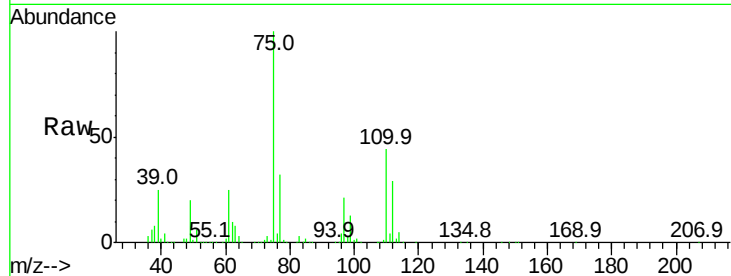
VSTD10005

Tgt Ion: 75 Resp: 291942

Ion Ratio Lower Upper

75 100

77 32.3 26.4 39.6



#62

Bromoform

Concen: 108.974 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW015362.D

Acq: 28 Apr 2020 14:46

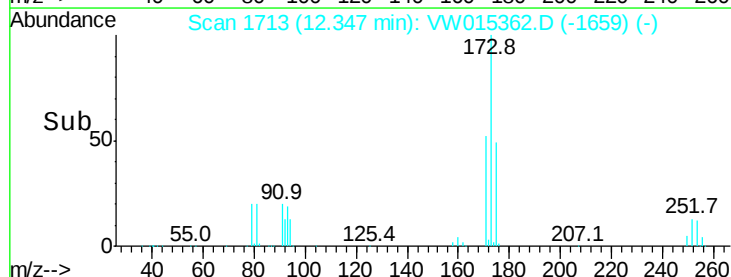
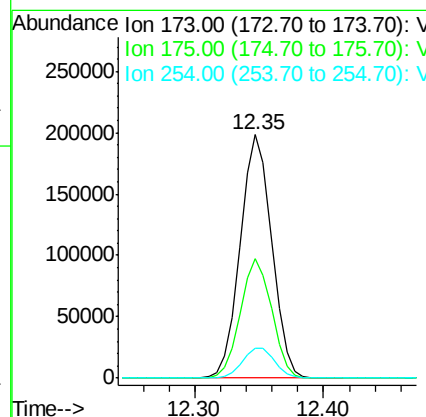
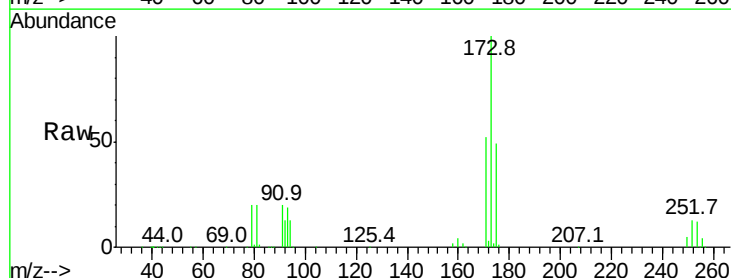
Tgt Ion: 173 Resp: 335305

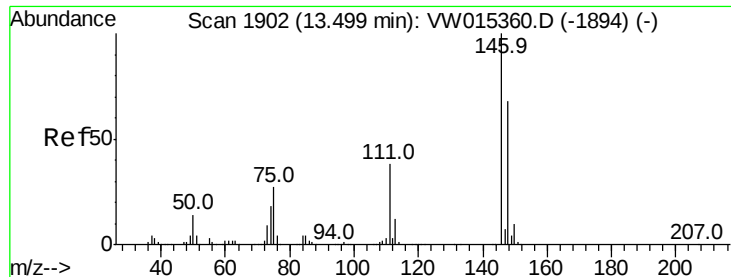
Ion Ratio Lower Upper

173 100

175 48.8 40.4 60.6

254 12.5 9.8 14.8

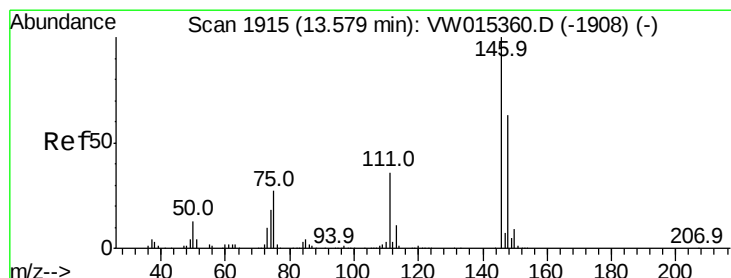
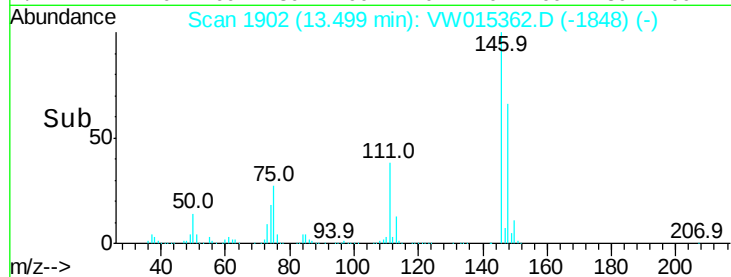
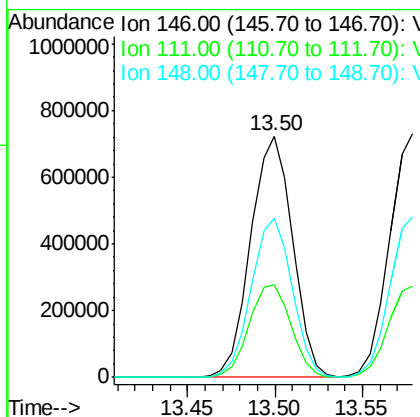
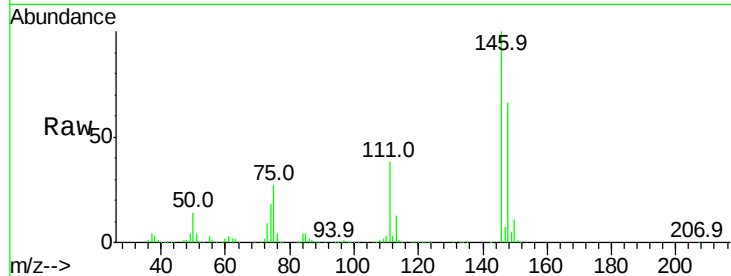




#63
 1,3-Dichlorobenzene
 Concen: 93.564 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015362.D
 Acq: 28 Apr 2020 14:46

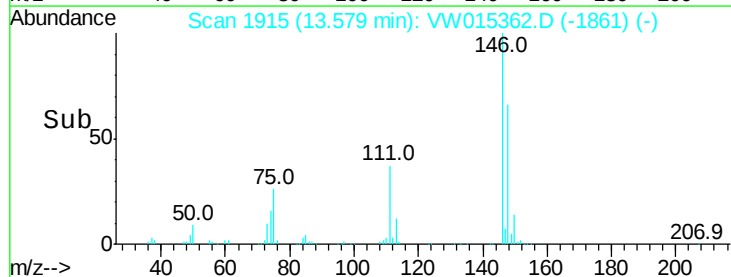
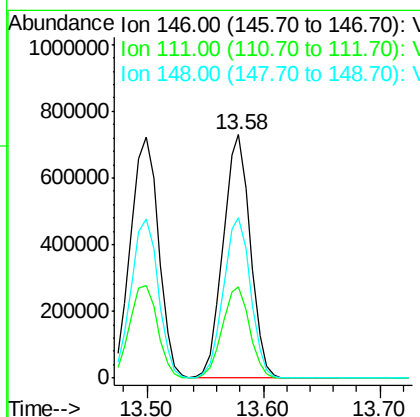
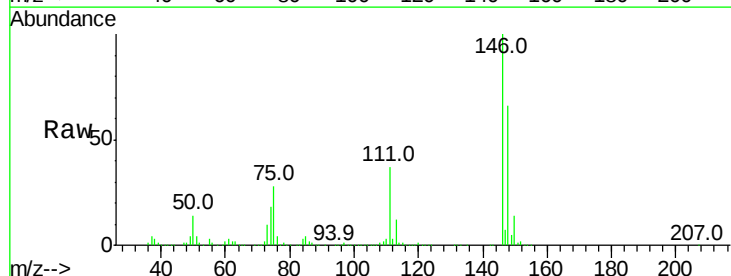
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10005

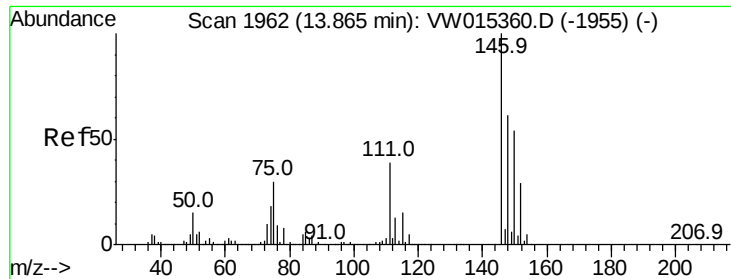
Tgt Ion:146 Resp: 1203551
 Ion Ratio Lower Upper
 146 100
 111 38.4 26.6 49.4
 148 66.1 47.5 88.3



#64
 1,4-Dichlorobenzene
 Concen: 92.716 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015362.D
 Acq: 28 Apr 2020 14:46

Tgt Ion:146 Resp: 1177270
 Ion Ratio Lower Upper
 146 100
 111 37.2 25.5 47.3
 148 66.1 44.2 82.2

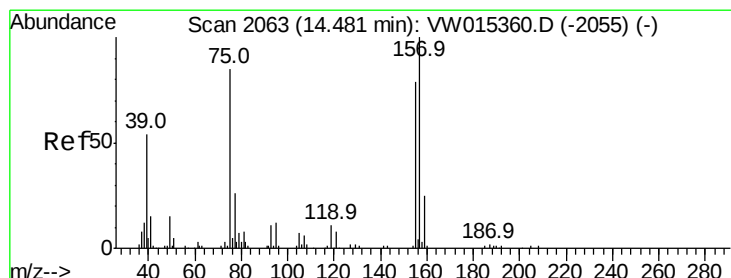
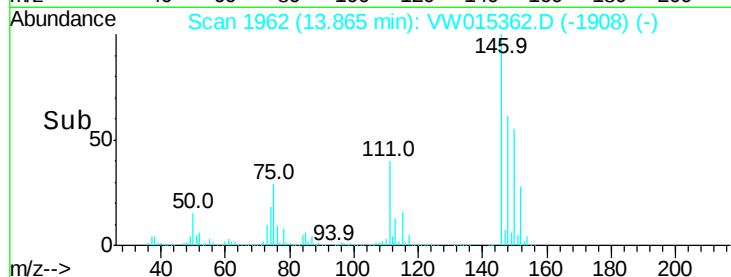
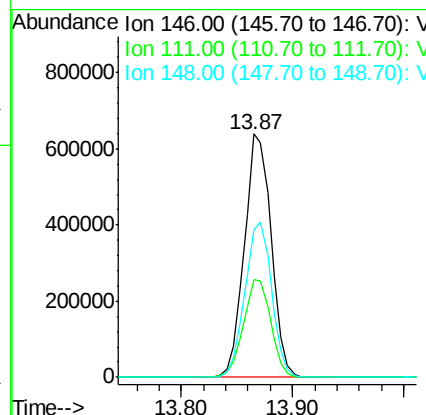
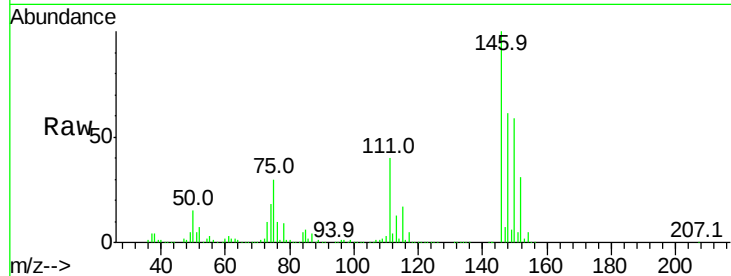




#65
 1,2-Dichlorobenzene
 Concen: 92.561 ug/L
 RT: 13.87 min Scan# 1962
 Delta R.T. 0.00 min
 Lab File: VW015362.D
 Acq: 28 Apr 2020 14:46

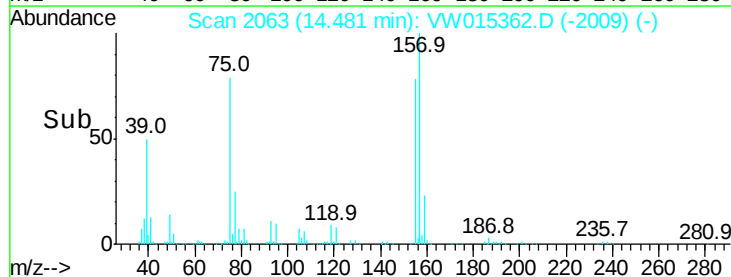
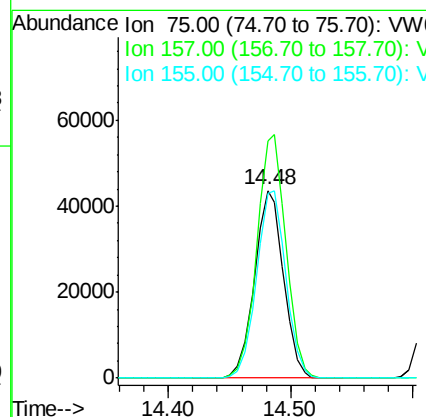
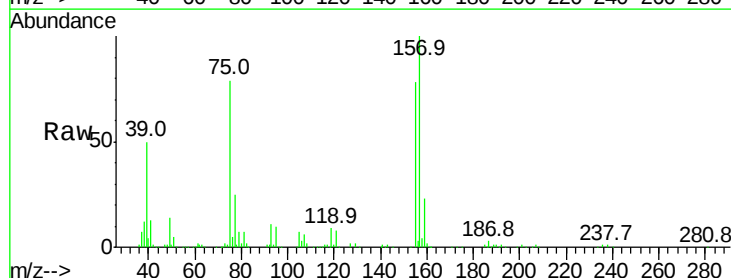
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10005

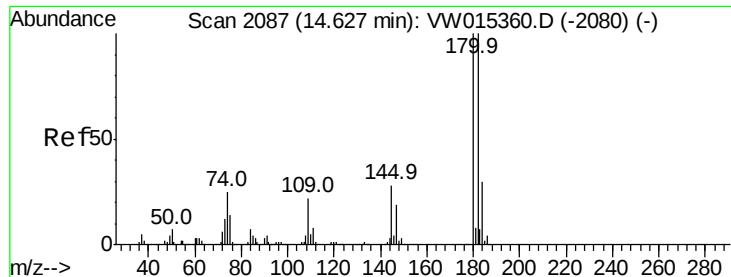
Tgt Ion:146 Resp: 1065279
 Ion Ratio Lower Upper
 146 100
 111 40.3 31.4 47.0
 148 60.7 48.9 73.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 93.755 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW015362.D
 Acq: 28 Apr 2020 14:46

Tgt Ion: 75 Resp: 71745
 Ion Ratio Lower Upper
 75 100
 157 126.2 94.6 141.8
 155 98.6 75.0 112.6

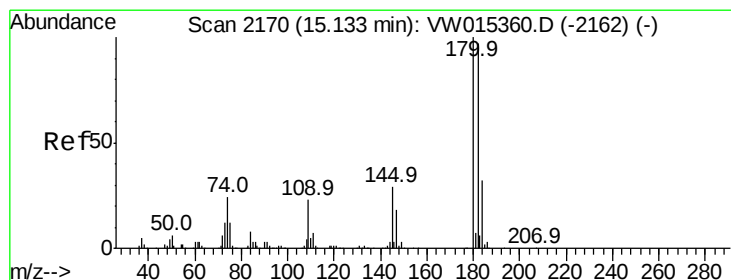
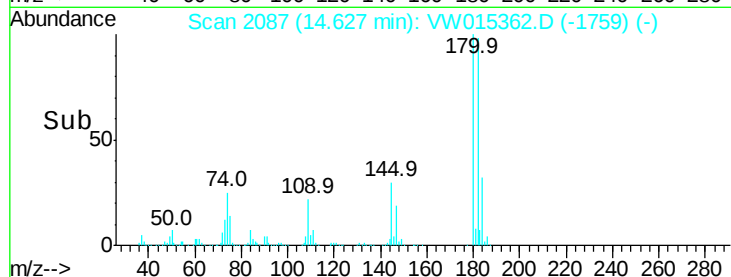
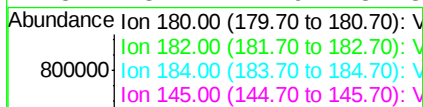
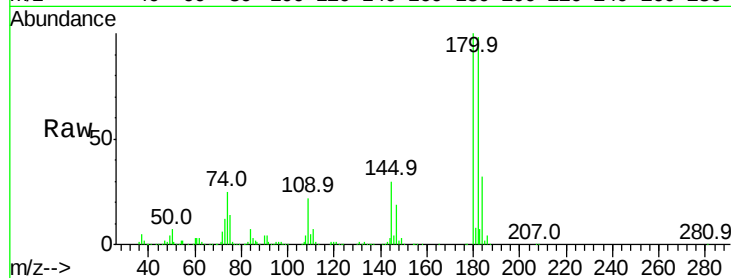




#67
 1,3,5-Trichlorobenzene
 Concen: 94.048 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW015362.D
 Acq: 28 Apr 2020 14:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10005

Tgt Ion:	180	Resp:	902570
Ion	Ratio	Lower	Upper
180	100		
182	96.4	78.3	117.5
184	30.7	25.0	37.4
145	28.4	22.9	34.3



#68
 1,2,4-trichlorobenzene
 Concen: 100.194 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015362.D
 Acq: 28 Apr 2020 14:46

Tgt Ion:	180	Resp:	766182
Ion	Ratio	Lower	Upper
180	100		
182	95.8	77.9	116.9
145	28.8	22.8	34.2

