

Data File : VW015352.D
Acq On : 27 Apr 2020 11:21
Operator : SY/VA
Sample : VSTD100
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD10004

Quant Time: Apr 27 12:00:38 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042720S.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 27 11:03:58 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	339135	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	335748	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	183838	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	329230	106.74	ug/L	0.00
7) Chloroethane-d5	2.88	69	308453	118.63	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	676374	86.66	ug/L	0.00
20) 2-Butanone-d5	7.07	46	173345	174.65	ug/L	0.00
24) Chloroform-d	7.65	84	718438	94.79	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	396459	106.49	ug/L	0.00
29) Benzene-d6	8.27	84	1371226	75.60	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	385135	70.57	ug/L	0.00
37) Toluene-d8	10.32	98	1469478	85.45	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	210306	86.44	ug/L	0.00
39) 2-Hexanone-d5	10.92	63	160223	164.53	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	351886	88.36	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	609282	94.37	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	465428	134.521	ug/L	100
3) Chloromethane	2.22	50	386572	92.991	ug/L	98
5) Vinyl chloride	2.36	62	449257	110.955	ug/L	98
6) Bromomethane	2.76	94	333821	146.639	ug/L	99
8) Chloroethane	2.92	64	284686	123.269	ug/L	99
9) Trichlorofluoromethane	3.26	101	723189	223.928	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	441894	96.066	ug/L	99
12) 1,1-Dichloroethene	4.04	96	400975	89.887	ug/L	90
13) Acetone	4.13	43	151756	210.864	ug/L	96
14) Carbon disulfide	4.39	76	1234333	88.134	ug/L	100
15) Methyl Acetate	4.67	43	148229	89.714	ug/L	99
16) Methylene chloride	4.92	84	414995	87.982	ug/L	96
17) Methyl tert-butyl Ether	5.43	73	1011989	171.647	ug/L	99
18) trans-1,2-Dichloroethene	5.43	96	457369	99.975	ug/L	100
19) 1,1-Dichloroethane	6.22	63	708260	91.210	ug/L	99
21) 2-Butanone	7.17	43	204407	176.381	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	488215	102.170	ug/L	98
23) Bromochloromethane	7.51	128	231058	116.194	ug/L	96
25) Chloroform	7.68	83	833140	110.248	ug/L	100
27) 1,2-Dichloroethane	8.40	62	510630	113.069	ug/L	100
30) Cyclohexane	7.96	56	624644	68.682	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	757889	101.776	ug/L	99
32) Carbon tetrachloride	8.07	117	674441	98.901	ug/L	99
34) Benzene	8.32	78	1611517	78.234	ug/L	100
35) Trichloroethene	9.09	95	461416	86.539	ug/L	99
36) Methylcyclohexane	9.34	83	779769	79.257	ug/L	99
40) 1,2-Dichloropropane	9.37	63	365739	73.222	ug/L	100
41) Bromodichloromethane	9.65	83	593477	95.178	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	672717	85.623	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	431105	149.126	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	1956070	89.462	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	615288	92.576	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	328466	92.931	ug/L	99
47) Tetrachloroethene	10.86	164	450001	111.130	ug/L	93
49) 2-Hexanone	10.97	43	317433	166.344	ug/L	99
50) Dibromochloromethane	11.13	129	448746	107.918	ug/L	93
51) 1,2-Dibromoethane	11.24	107	334146	100.597	ug/L	97
52) Chlorobenzene	11.66	112	1332600	98.768	ug/L	99
53) Ethylbenzene	11.73	91	2306625	94.095	ug/L	100
54) m,p-Xylene	11.84	106	927469	98.275	ug/L	96
55) o-xylene	12.16	106	894105	98.942	ug/L	96
56) Styrene	12.18	104	1562880	103.509	ug/L	99
57) Isopropylbenzene	12.46	105	2431208	100.147	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	368626	90.917	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	276001	92.543	ug/L	98
62) Bromoform	12.35	173	291570	102.545	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	1177840	97.569	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	1157084	98.033	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	1065645	99.525	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.48	75	72648	89.537	ug/L	92
67) 1,3,5-Trichlorobenzene	14.63	180	920000	111.648	ug/L	96
68) 1,2,4-trichlorobenzene	15.13	180	748949	110.518	ug/L	98
69) Naphthalene	15.36	128	1327936	98.044	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	659360	113.760	ug/L	97

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

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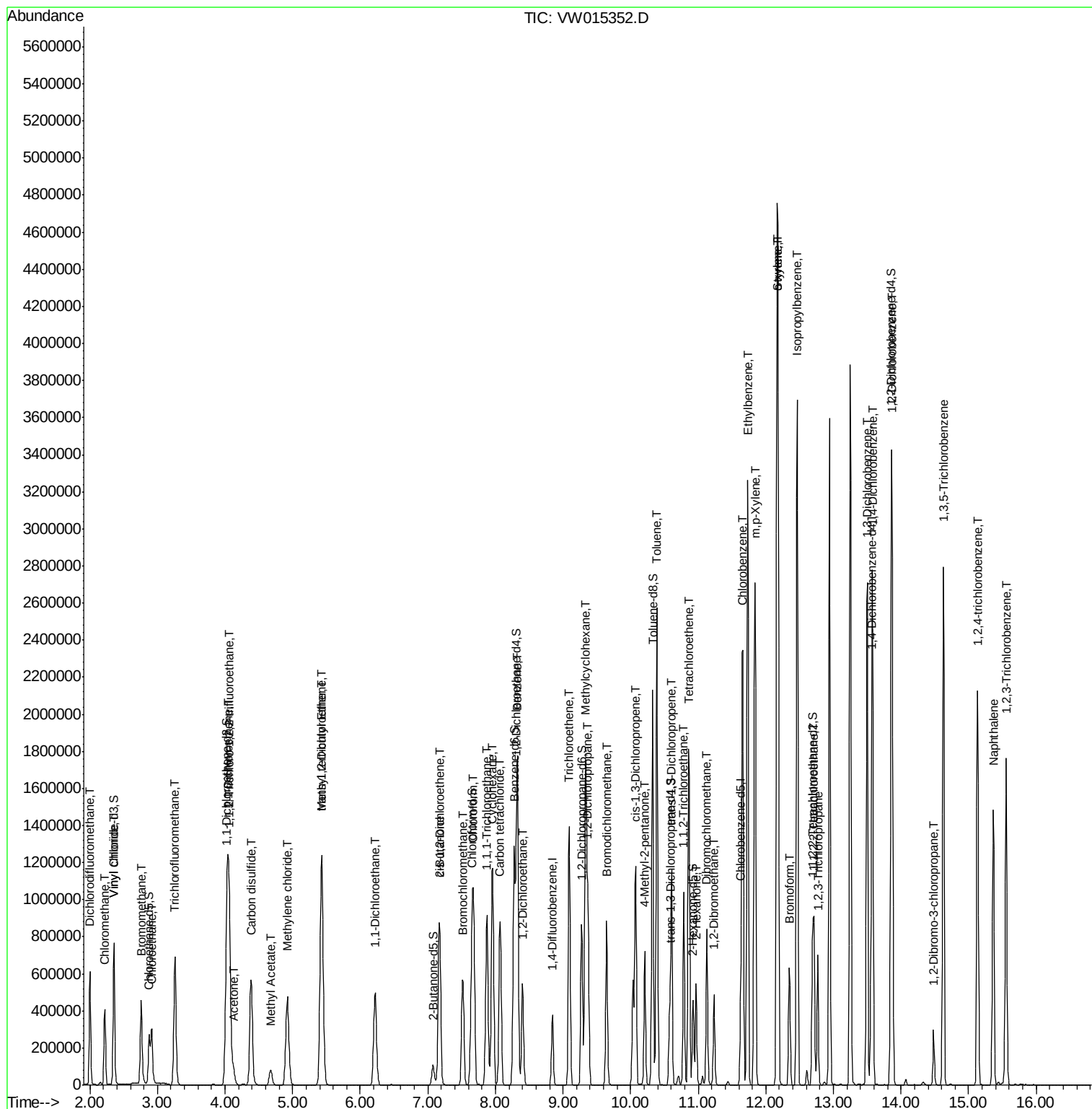
Quant Time: Apr 27 12:00:38 2020

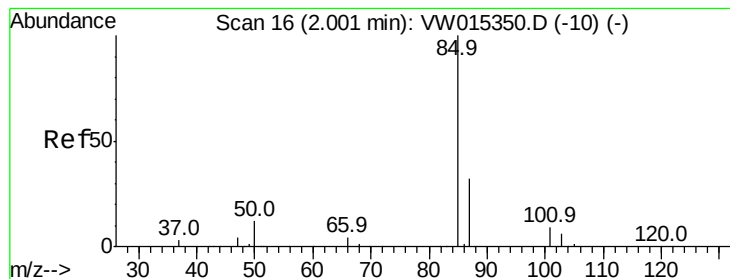
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042720S.M

Quant Title : VOC Analysis

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#2

Dichlorodifluoromethane

Concen: 134.521 ug/L

RT: 2.00 min Scan# 16

Delta R.T. -0.00 min

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Acq: 27 Apr 2020 11:21

Instrument :

MSVOA_W

ClientSampleId :

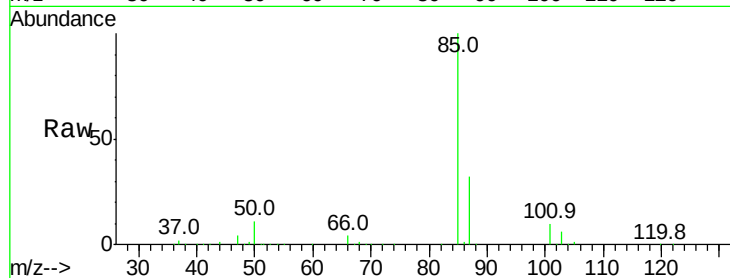
VSTD10004

Tgt Ion: 85 Resp: 465428

Ion Ratio Lower Upper

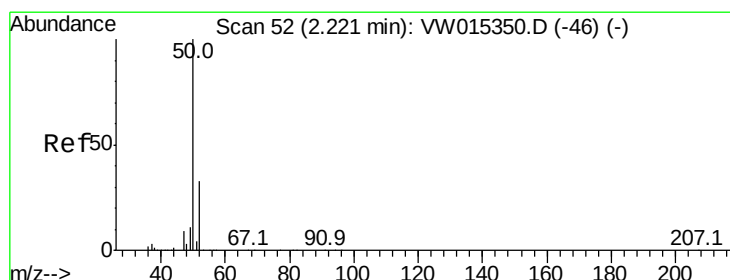
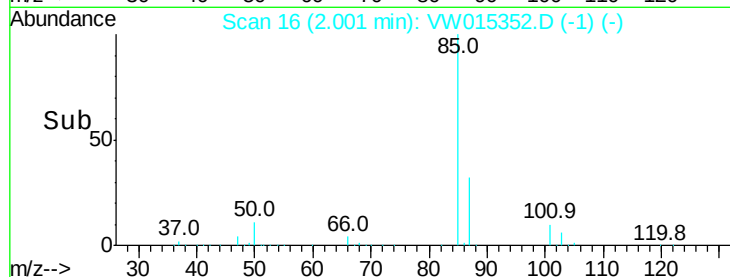
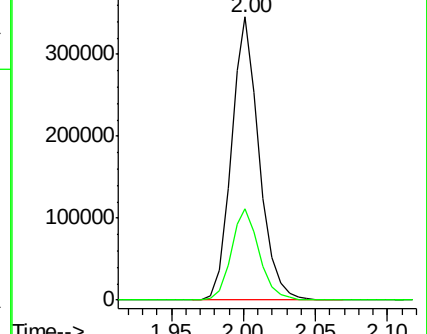
85 100

87 32.5 22.6 42.0



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 92.991 ug/L

RT: 2.22 min Scan# 52

Delta R.T. -0.00 min

Lab File: VW015352.D

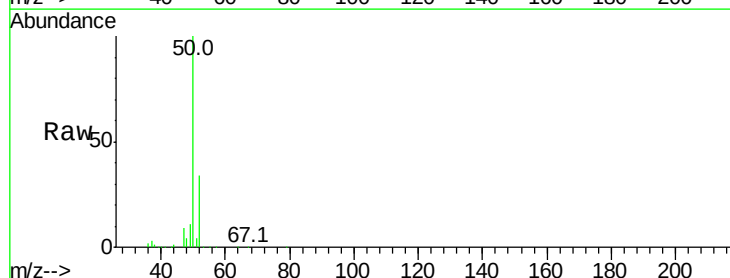
Acq: 27 Apr 2020 11:21

Tgt Ion: 50 Resp: 386572

Ion Ratio Lower Upper

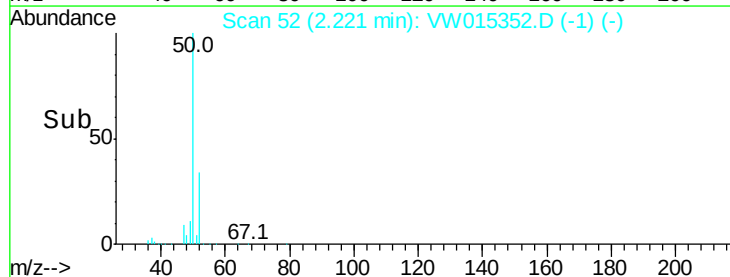
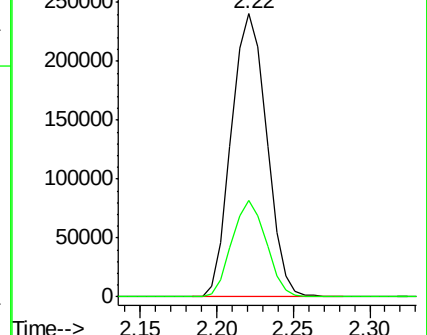
50 100

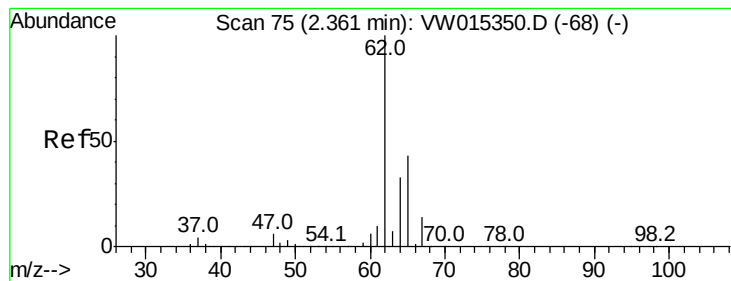
52 34.2 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 110.955 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW015352.D

Acq: 27 Apr 2020 11:21

Instrument :

MSVOA_W

ClientSampleId :

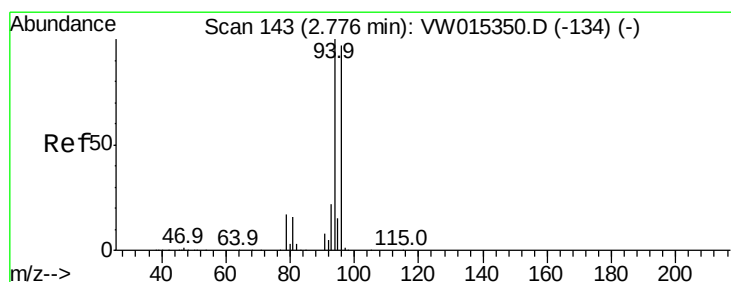
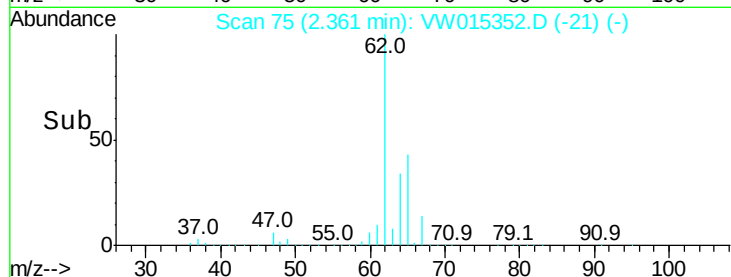
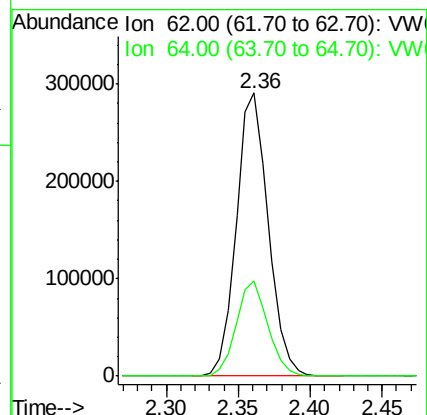
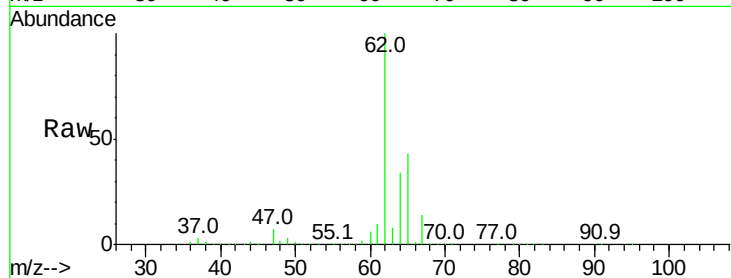
VSTD10004

Tgt Ion: 62 Resp: 449257

Ion Ratio Lower Upper

62 100

64 33.7 22.7 42.3



#6

Bromomethane

Concen: 146.639 ug/L

RT: 2.76 min Scan# 140

Delta R.T. -0.02 min

Lab File: VW015352.D

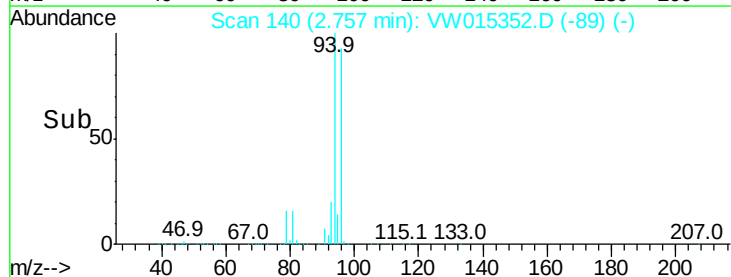
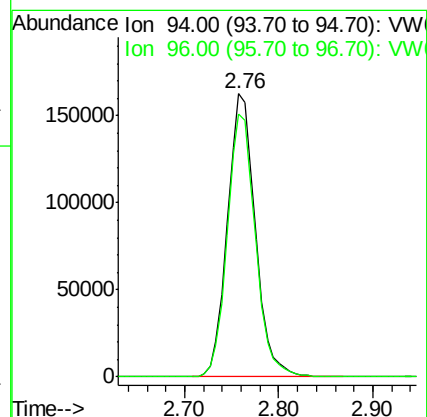
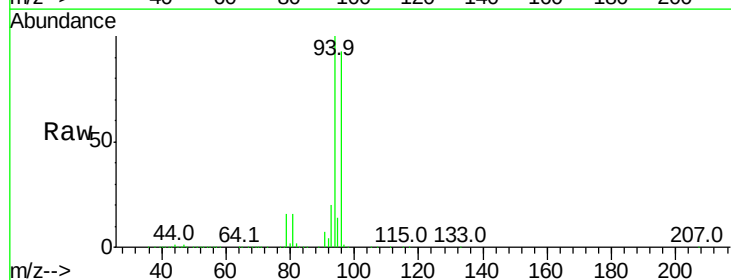
Acq: 27 Apr 2020 11:21

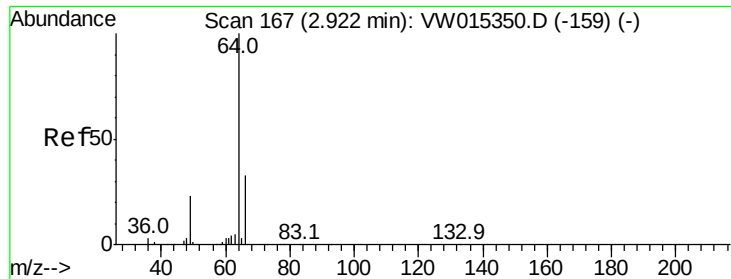
Tgt Ion: 94 Resp: 333821

Ion Ratio Lower Upper

94 100

96 93.6 9.5 180.5





#8

Chloroethane

Concen: 123.269 ug/L

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW015352.D

Acq: 27 Apr 2020 11:21

Instrument :

MSVOA_W

ClientSampleId :

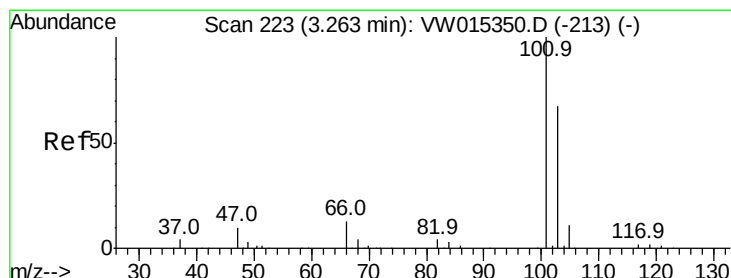
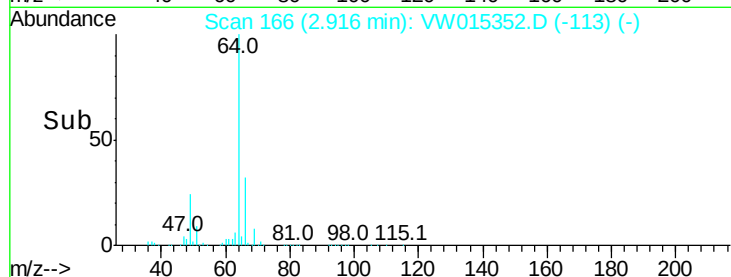
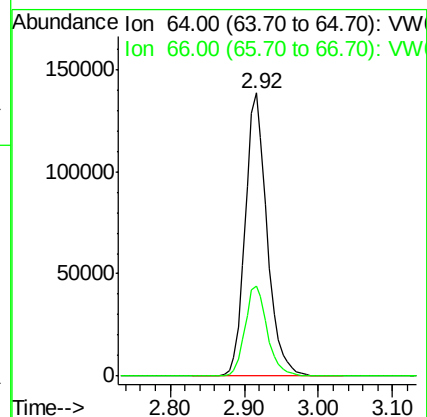
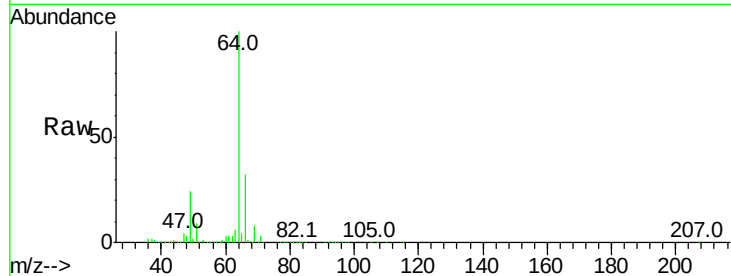
VSTD10004

Tgt Ion: 64 Resp: 284686

Ion Ratio Lower Upper

64 100

66 32.0 22.9 42.5



#9

Trichlorofluoromethane

Concen: 223.928 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.00 min

Lab File: VW015352.D

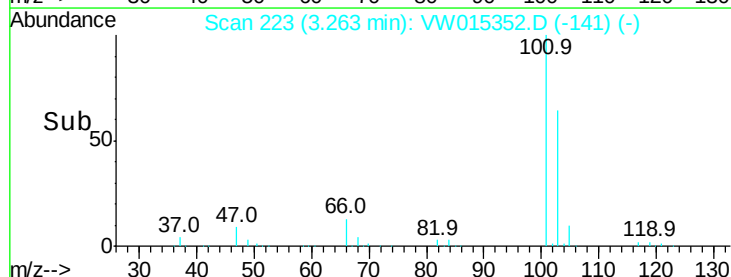
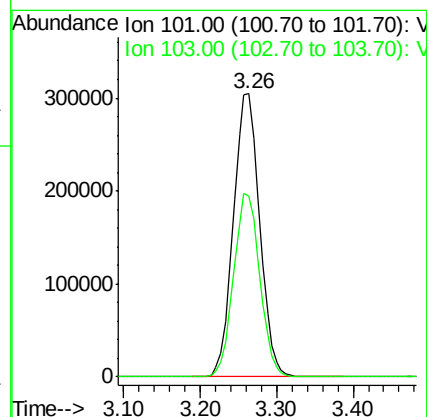
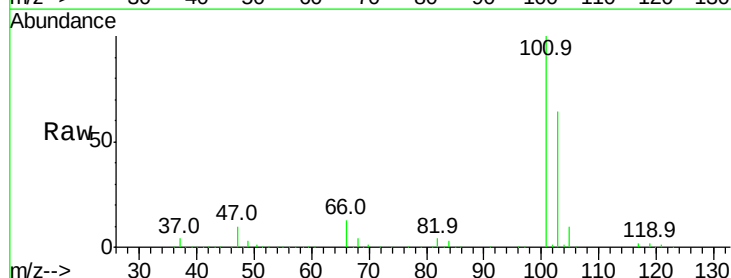
Acq: 27 Apr 2020 11:21

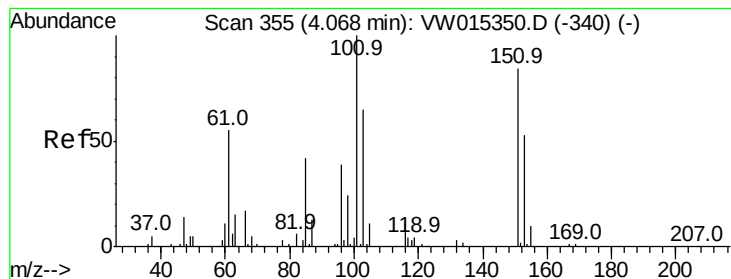
Tgt Ion: 101 Resp: 723189

Ion Ratio Lower Upper

101 100

103 64.7 45.8 85.2





#11

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

Concen: 96.066 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW015352.D

Acq: 27 Apr 2020 11:21

Instrument :

MSVOA_W

ClientSampleId :

VSTD10004

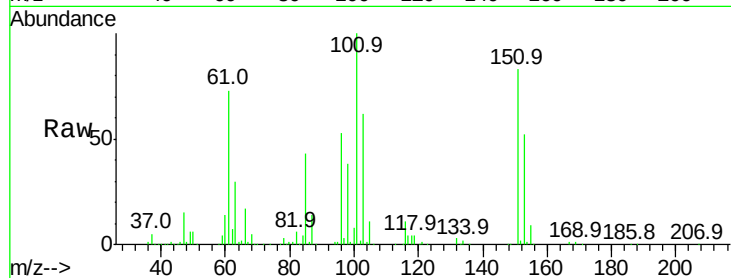
Tgt Ion:101 Resp: 441894

Ion Ratio Lower Upper

101 100

85 42.9 34.0 51.0

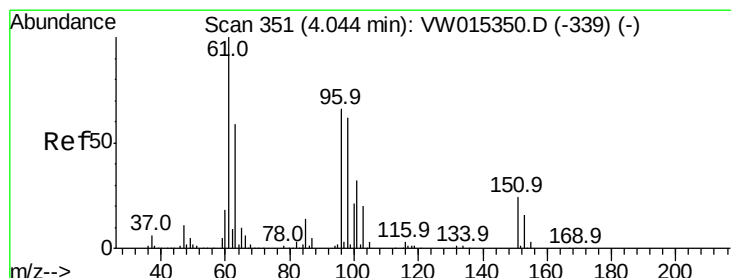
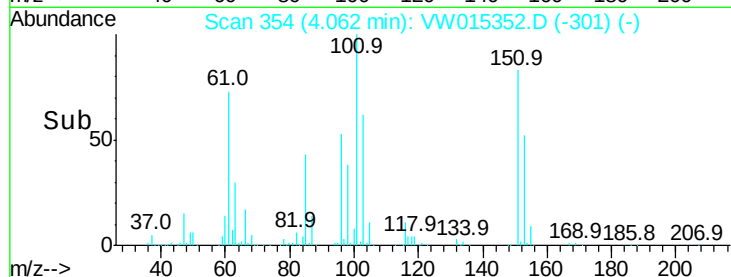
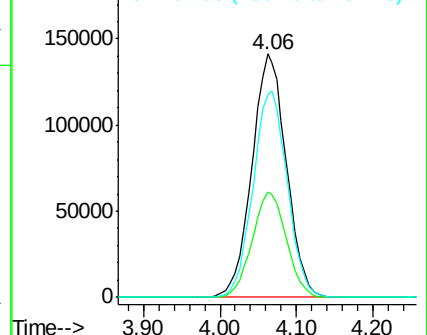
151 84.4 67.0 100.4



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: 89.887 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

Lab File: VW015352.D

Acq: 27 Apr 2020 11:21

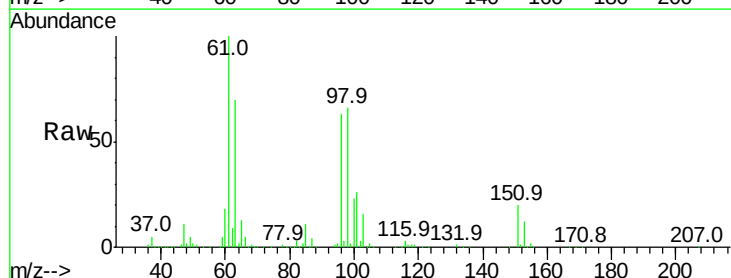
Tgt Ion: 96 Resp: 400975

Ion Ratio Lower Upper

96 100

61 157.7 106.2 197.2

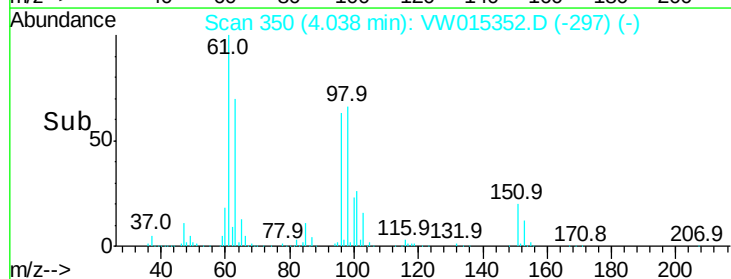
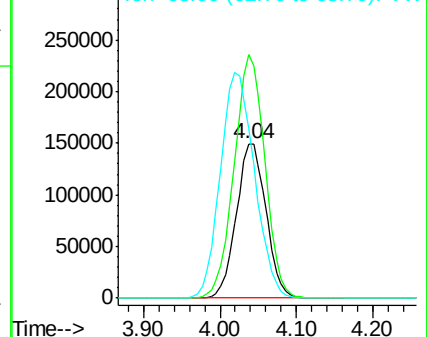
63 109.8 63.7 118.3

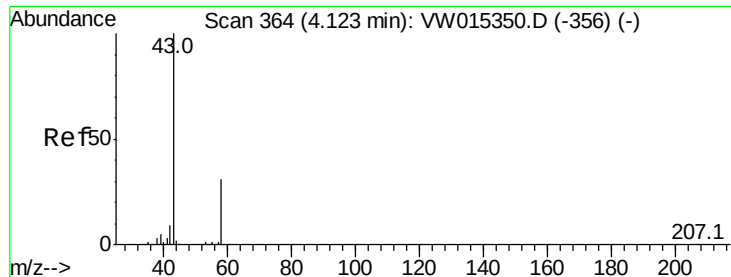


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 210.864 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

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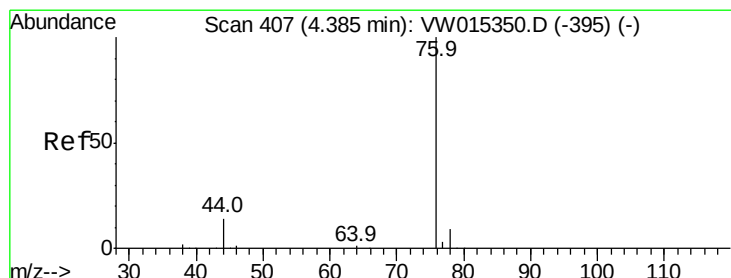
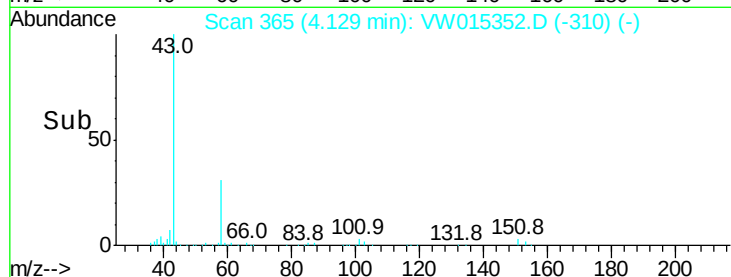
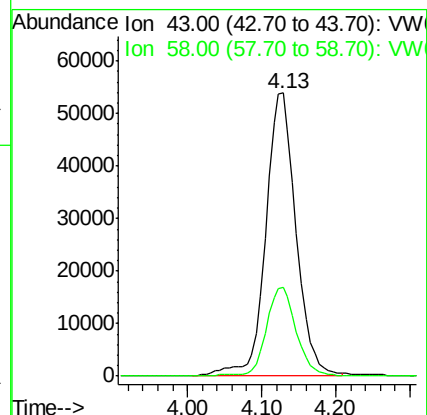
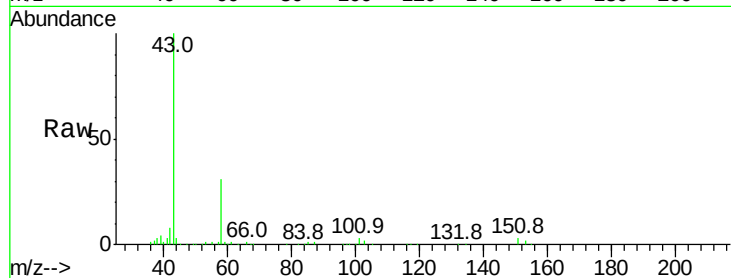
VSTD10004

Tgt Ion: 43 Resp: 151756

Ion Ratio Lower Upper

43 100

58 30.6 0.0 65.8



#14

Carbon disulfide

Concen: 88.134 ug/L

RT: 4.39 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW015352.D

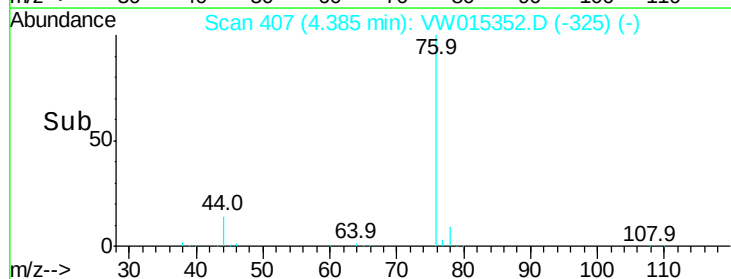
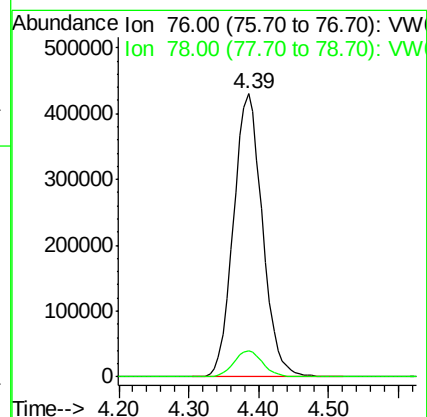
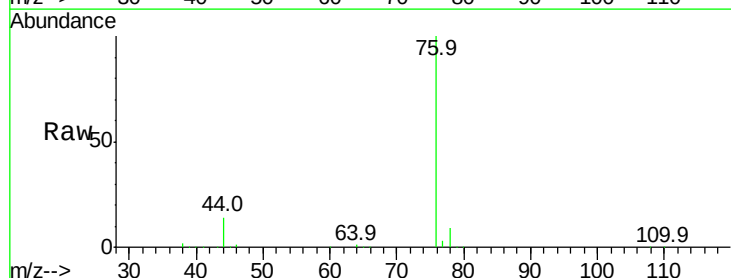
Acq: 27 Apr 2020 11:21

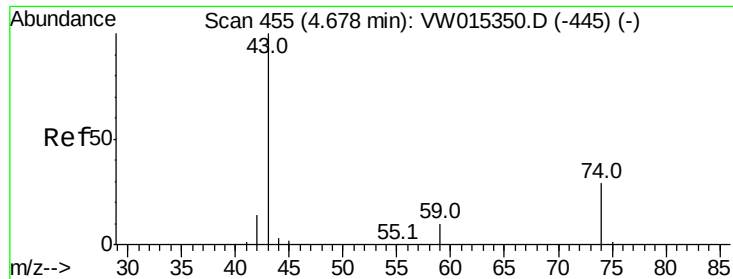
Tgt Ion: 76 Resp: 1234333

Ion Ratio Lower Upper

76 100

78 9.3 7.5 11.3

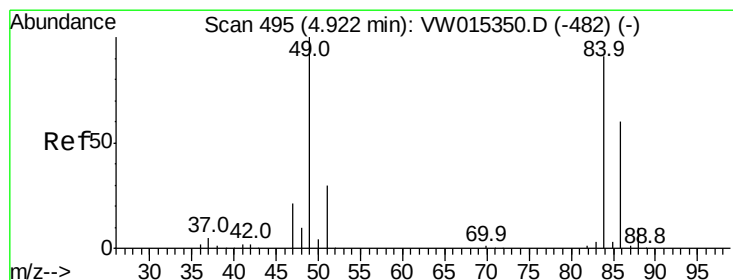
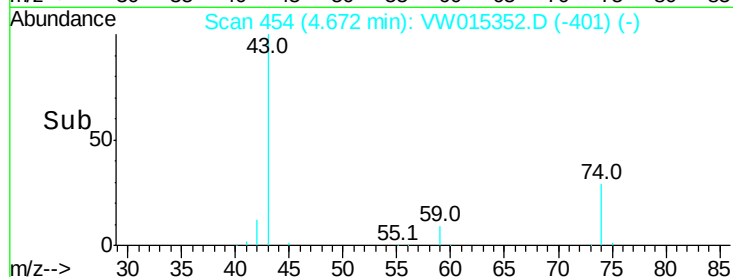
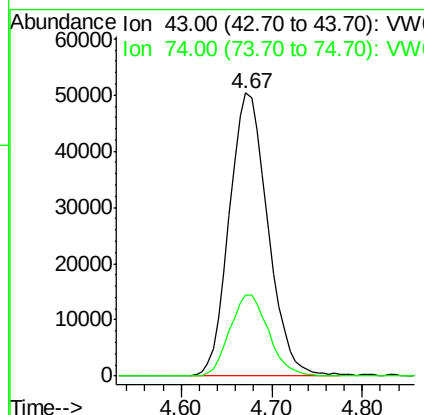
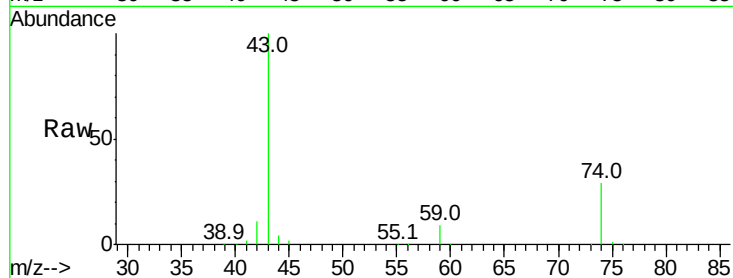




#15
Methyl Acetate
Concen: 89.714 ug/L
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW015352.D
Acq: 27 Apr 2020 11:21

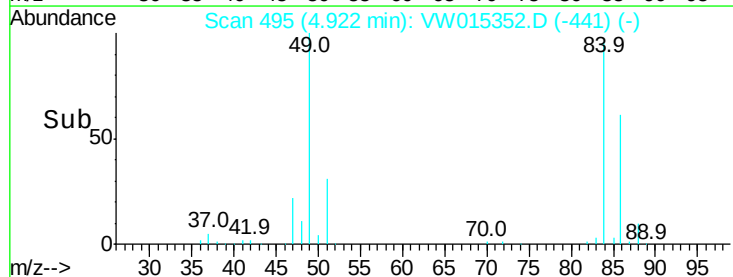
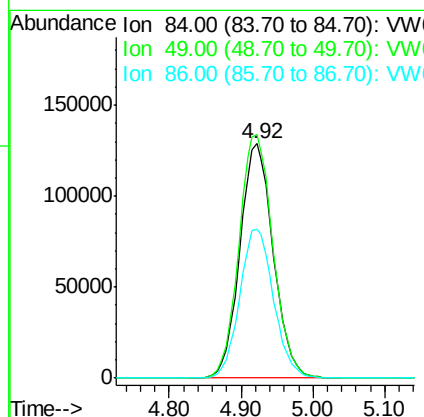
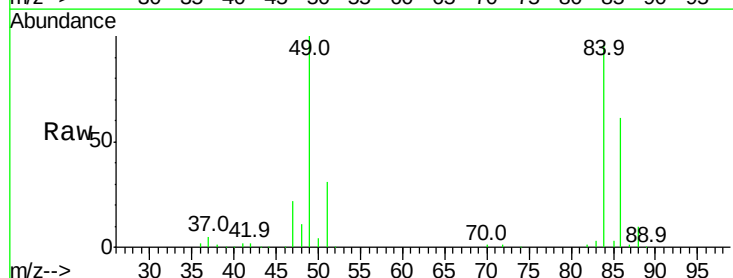
Instrument :
MSVOA_W
ClientSampled :
VSTD10004

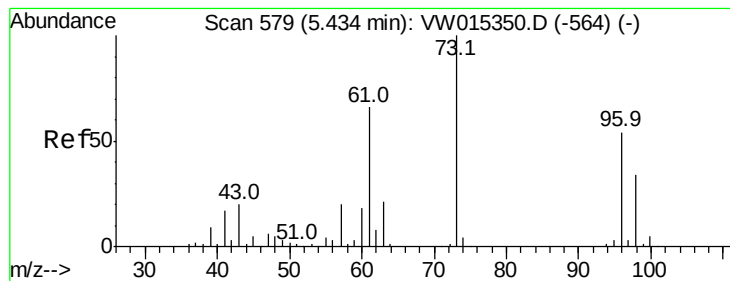
Tgt Ion: 43 Resp: 148229
Ion Ratio Lower Upper
43 100
74 29.0 22.9 34.3



#16
Methylene chloride
Concen: 87.982 ug/L
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW015352.D
Acq: 27 Apr 2020 11:21

Tgt Ion: 84 Resp: 414995
Ion Ratio Lower Upper
84 100
49 104.0 76.7 142.5
86 63.6 45.9 85.3





#17

Methyl tert-butyl Ether

Concen: 171.647 ug/L

RT: 5.43 min Scan# 578

Delta R.T. -0.01 min

Lab File: VW015352.D

Acq: 27 Apr 2020 11:21

Instrument :

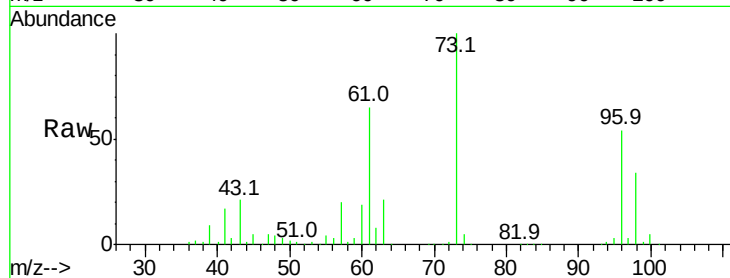
MSVOA_W

ClientSampleId :

VSTD10004

Tgt Ion: 73 Resp: 1011989

Ion	Ratio	Lower	Upper
73	100		
43	20.5	16.6	24.8
57	19.6	16.1	24.1

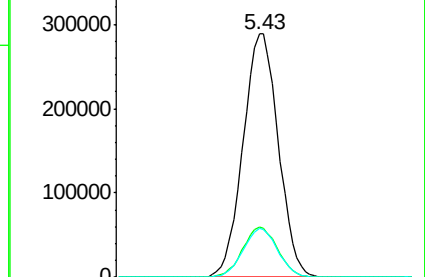
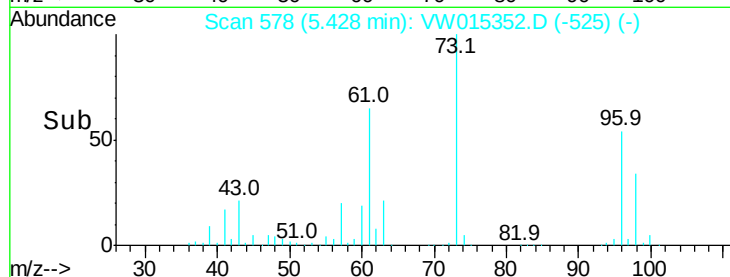


Abundance

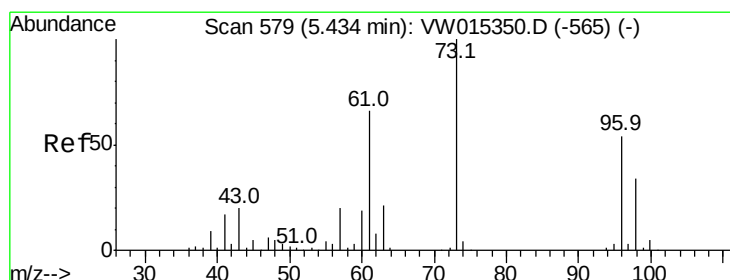
Ion 73.00 (72.70 to 73.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 57.00 (56.70 to 57.70): VW



Time-->



#18

trans-1,2-Dichloroethene

Concen: 99.975 ug/L

RT: 5.43 min Scan# 578

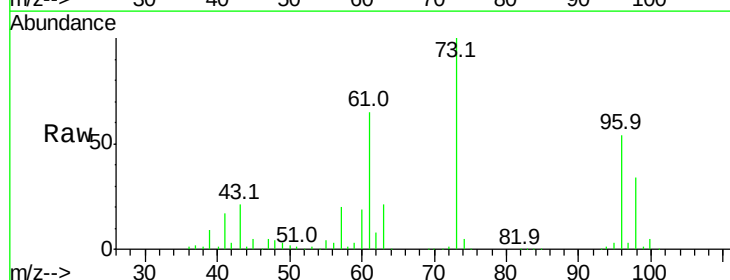
Delta R.T. -0.01 min

Lab File: VW015352.D

Acq: 27 Apr 2020 11:21

Tgt Ion: 96 Resp: 457369

Ion	Ratio	Lower	Upper
96	100		
61	121.2	84.9	157.7
98	63.3	44.4	82.4

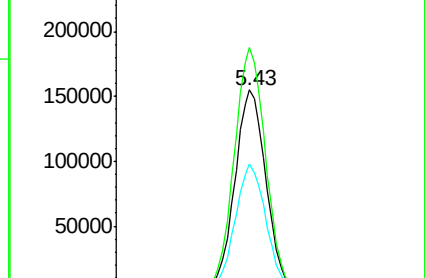
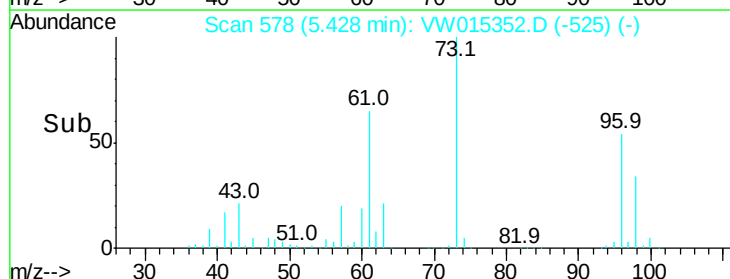


Abundance

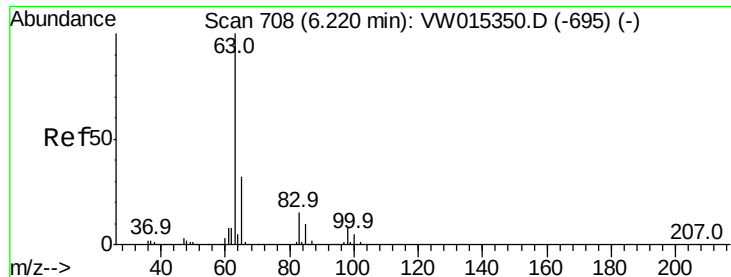
Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW



Time-->

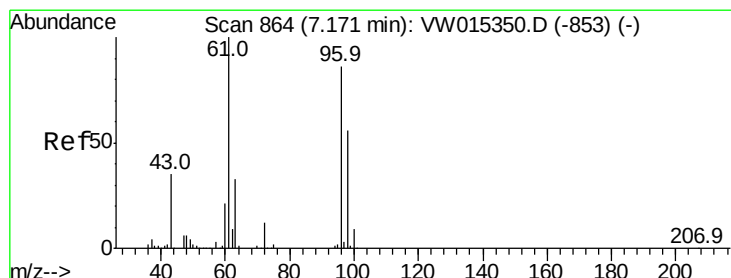
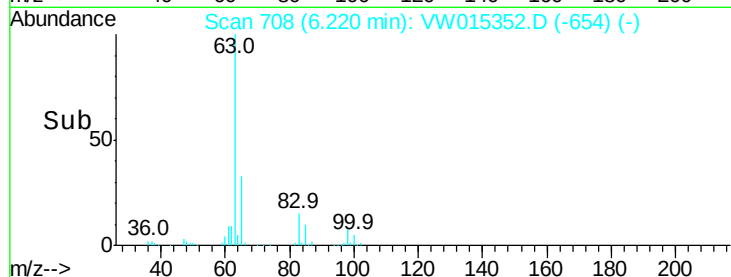
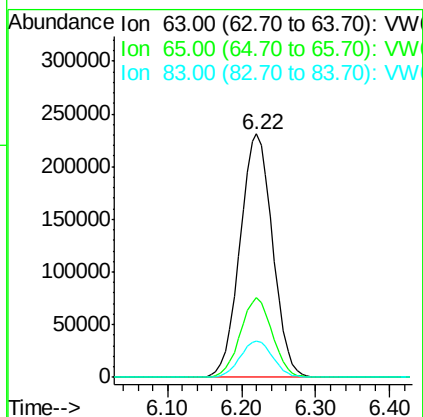
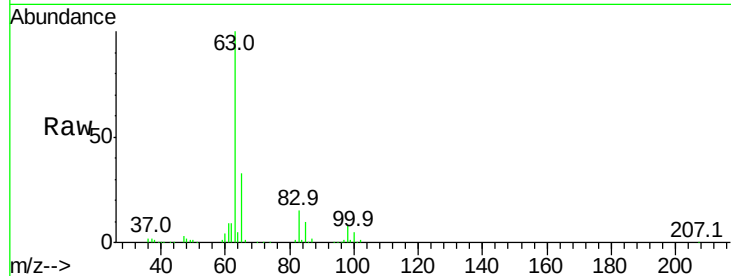


#19
 1,1-Dichloroethane
 Concen: 91.210 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. -0.00 min
 Lab File: VW015352.D
 Acq: 27 Apr 2020 11:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10004

Tgt Ion: 63 Resp: 708260

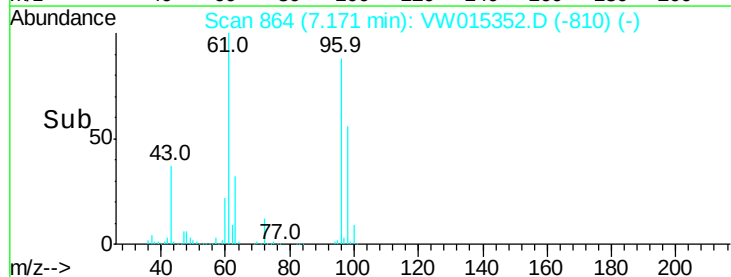
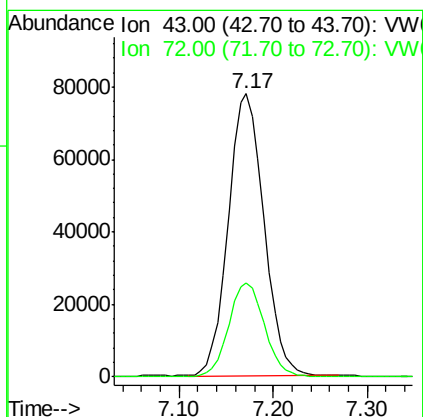
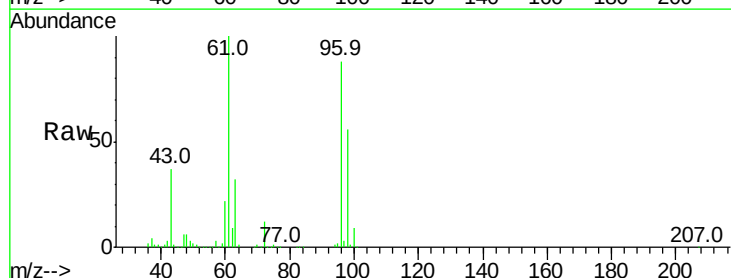
Ion	Ratio	Lower	Upper
63	100		
65	32.8	22.3	41.3
83	15.1	10.6	19.6

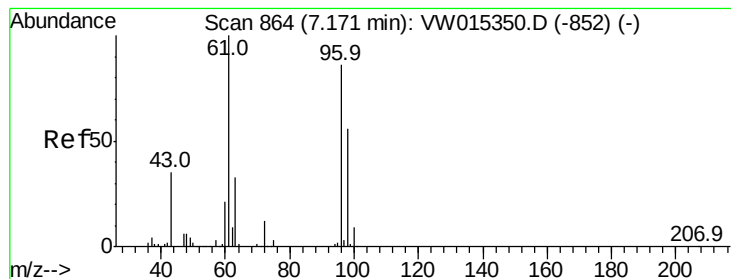


#21
 2-Butanone
 Concen: 176.381 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW015352.D
 Acq: 27 Apr 2020 11:21

Tgt Ion: 43 Resp: 204407

Ion	Ratio	Lower	Upper
43	100		
72	33.7	16.6	49.7



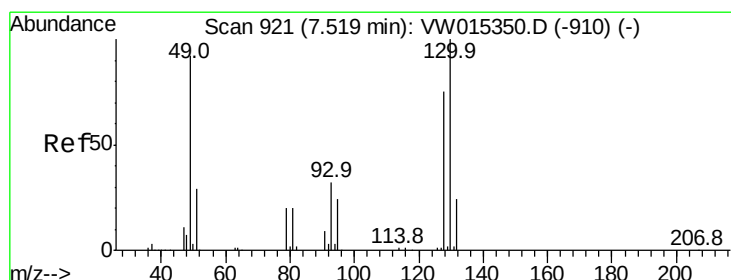
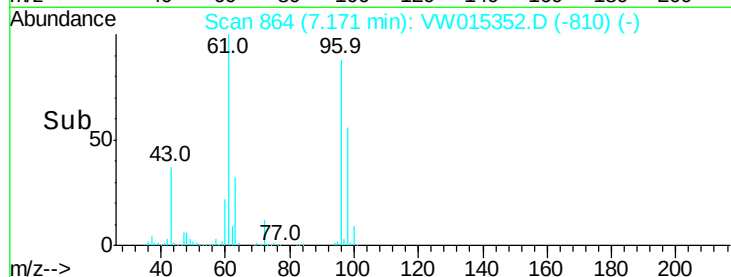
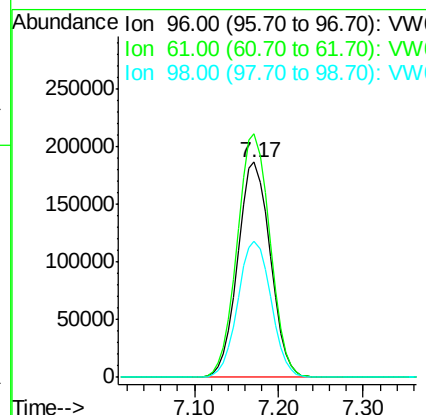
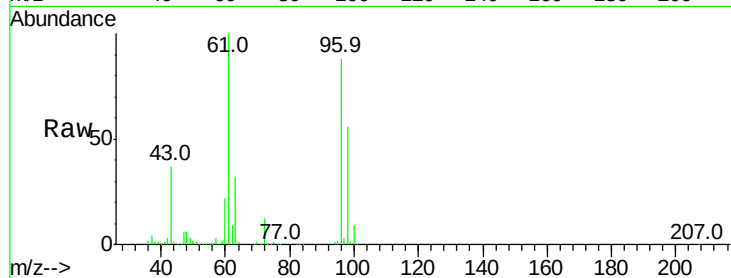


#22

cis-1,2-Dichloroethene
Concen: 102.170 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW015352.D
Acq: 27 Apr 2020 11:21

Instrument :
MSVOA_W
ClientSampled :
VSTD10004

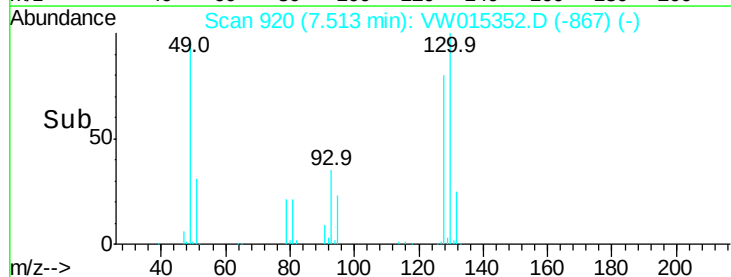
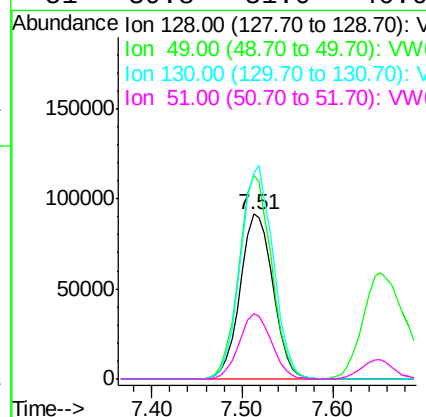
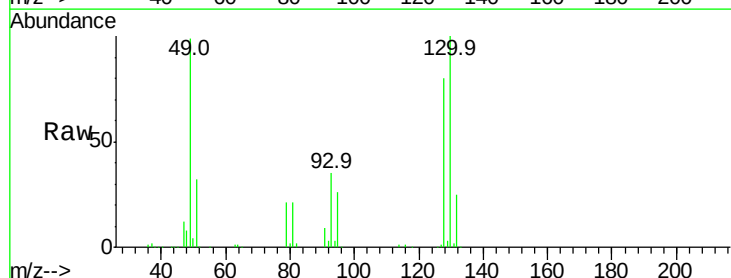
Tgt Ion: 96 Resp: 488215
Ion Ratio Lower Upper
96 100
61 113.3 81.2 150.8
98 63.1 45.4 84.2

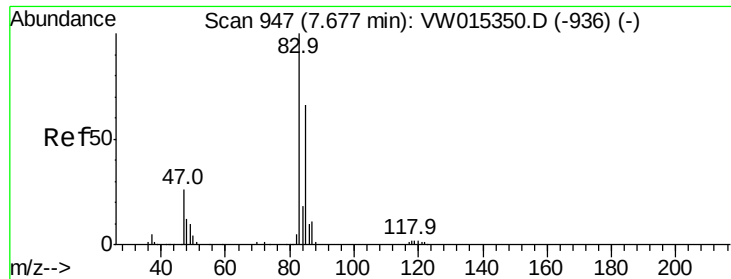


#23

Bromochloromethane
Concen: 116.194 ug/L
RT: 7.51 min Scan# 920
Delta R.T. -0.01 min
Lab File: VW015352.D
Acq: 27 Apr 2020 11:21

Tgt Ion: 128 Resp: 231058
Ion Ratio Lower Upper
128 100
49 123.6 85.1 158.1
130 124.6 92.9 172.5
51 39.8 31.0 46.6





#25

Chloroform

Concen: 110.248 ug/L

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW015352.D

Acq: 27 Apr 2020 11:21

Instrument :

MSVOA_W

ClientSampleId :

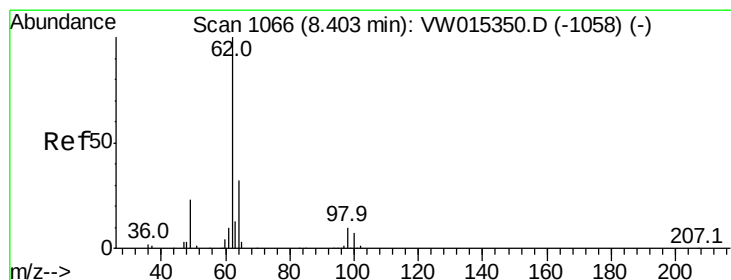
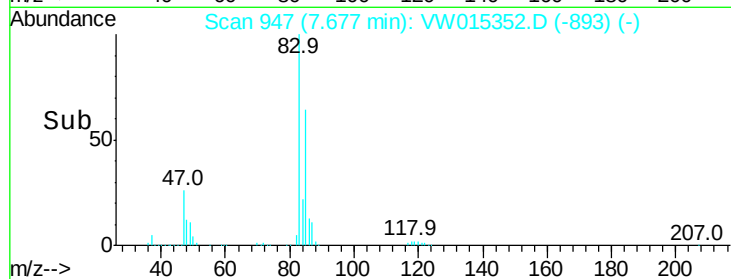
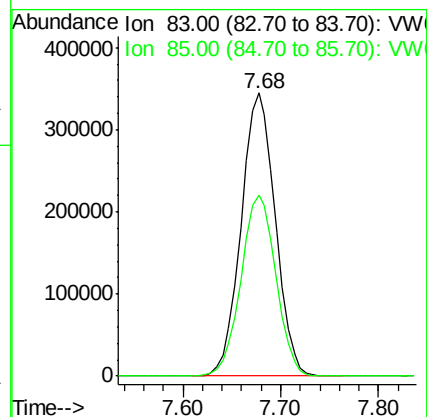
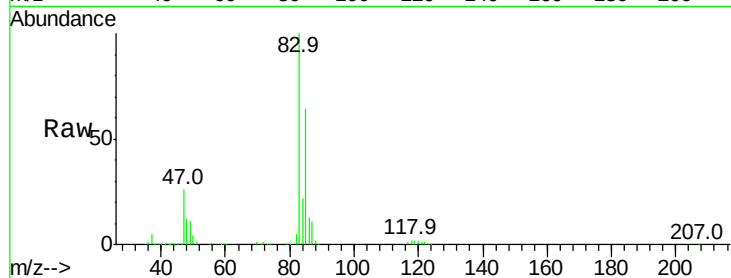
VSTD10004

Tgt Ion: 83 Resp: 833140

Ion Ratio Lower Upper

83 100

85 65.5 45.7 84.9



#27

1,2-Dichloroethane

Concen: 113.069 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW015352.D

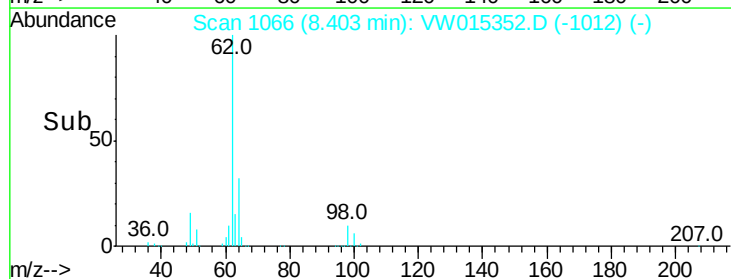
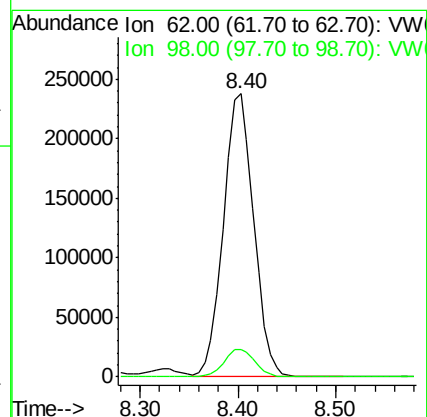
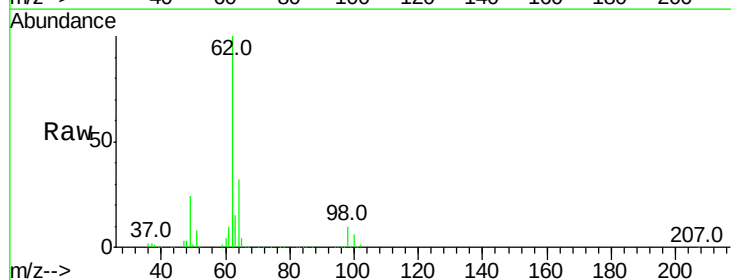
Acq: 27 Apr 2020 11:21

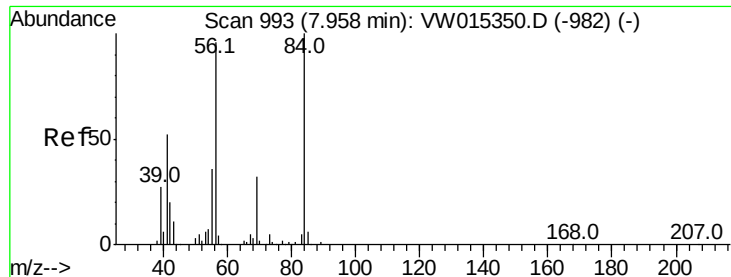
Tgt Ion: 62 Resp: 510630

Ion Ratio Lower Upper

62 100

98 9.9 7.8 11.6

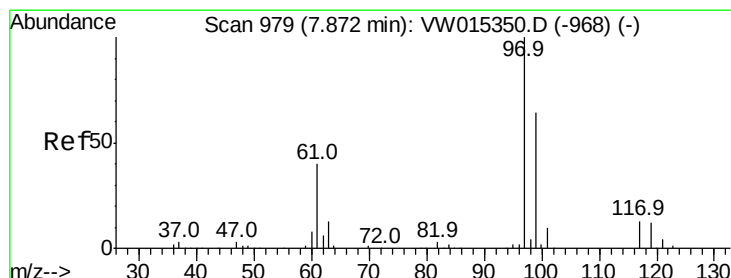
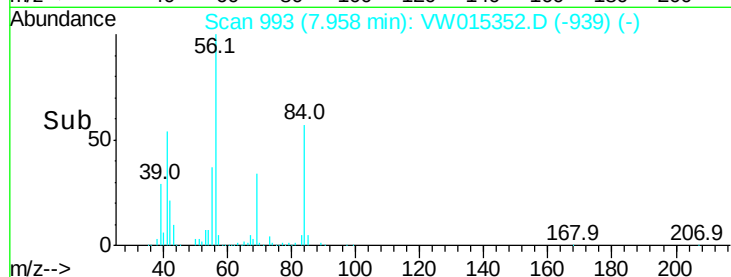
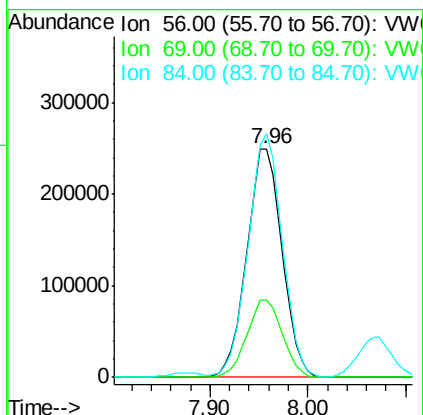
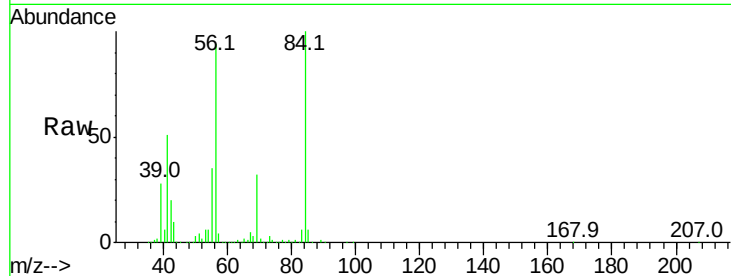




#30
Cyclohexane
Concen: 68.682 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW015352.D
Acq: 27 Apr 2020 11:21

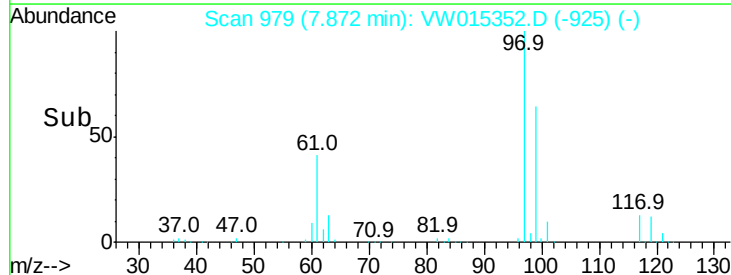
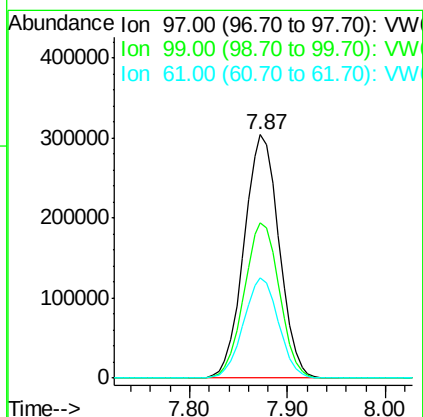
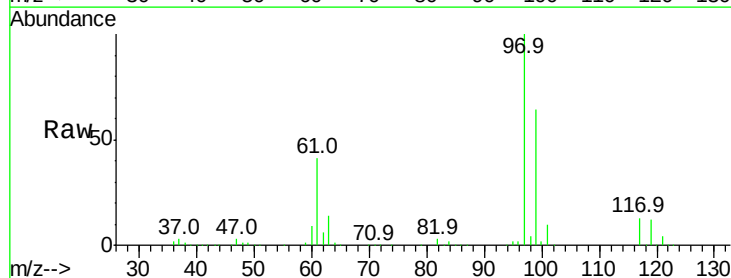
Instrument :
MSVOA_W
ClientSampled :
VSTD10004

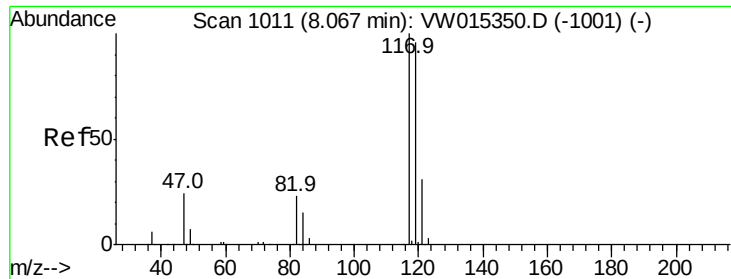
Tgt Ion: 56 Resp: 624644
Ion Ratio Lower Upper
56 100
69 34.1 27.4 41.2
84 103.7 81.8 122.6



#31
1,1,1-Trichloroethane
Concen: 101.776 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW015352.D
Acq: 27 Apr 2020 11:21

Tgt Ion: 97 Resp: 757889
Ion Ratio Lower Upper
97 100
99 64.4 51.0 76.4
61 41.1 32.8 49.2





#32

Carbon tetrachloride

Concen: 98.901 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW015352.D

Acq: 27 Apr 2020 11:21

Instrument :

MSVOA_W

ClientSampleId :

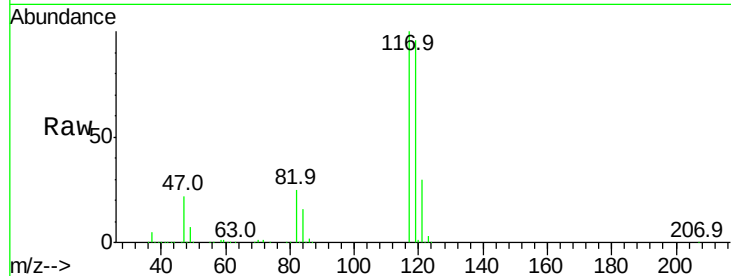
VSTD10004

Tgt Ion:117 Resp: 674441

Ion Ratio Lower Upper

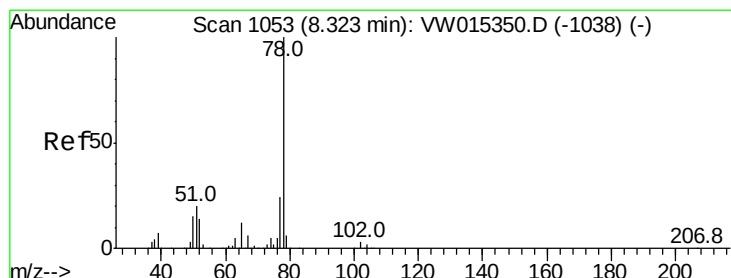
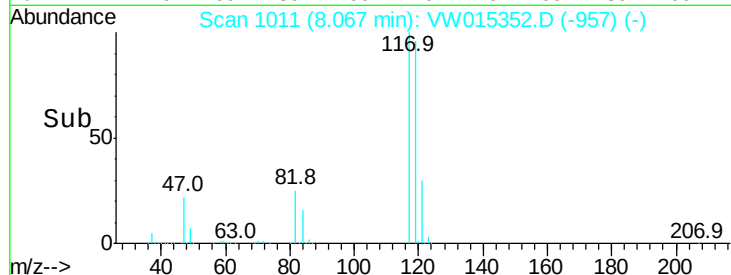
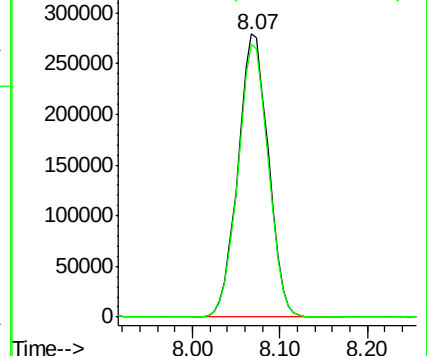
117 100

119 96.4 76.3 114.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 78.234 ug/L

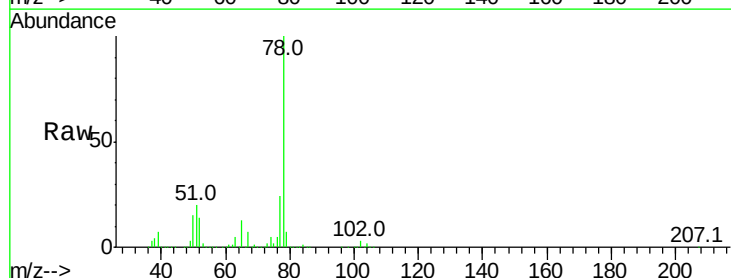
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

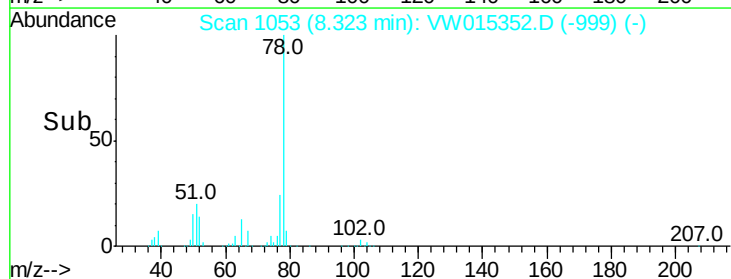
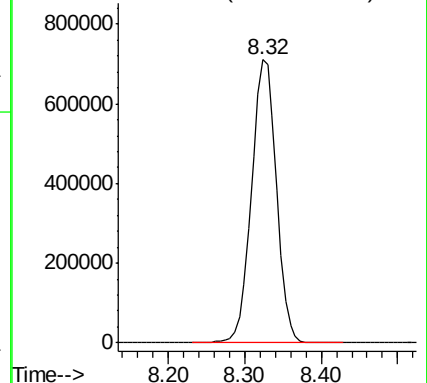
Lab File: VW015352.D

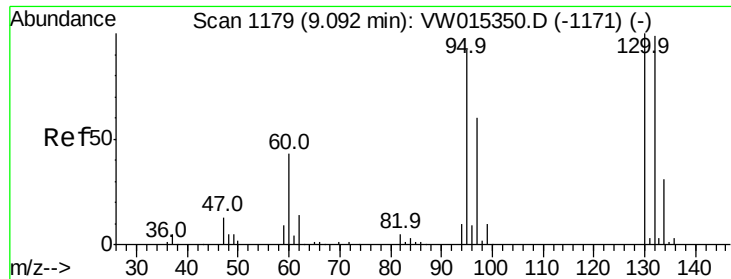
Acq: 27 Apr 2020 11:21

Tgt Ion: 78 Resp: 1611517



Abundance Ion 78.00 (77.70 to 78.70): VW

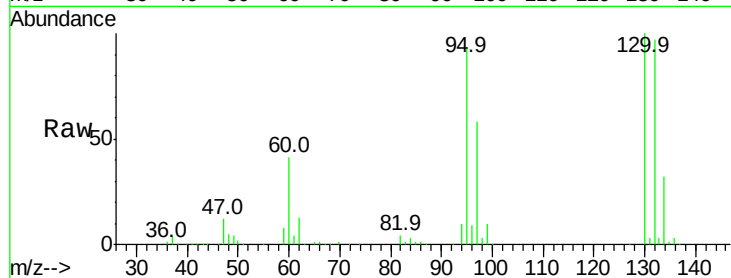




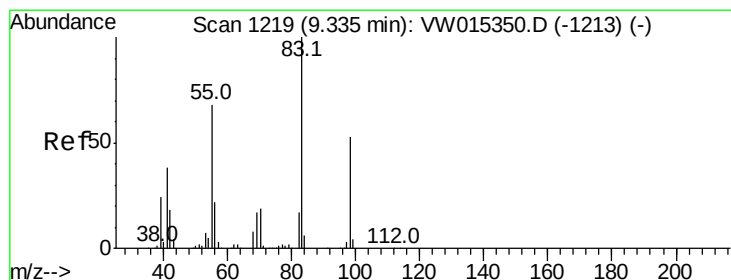
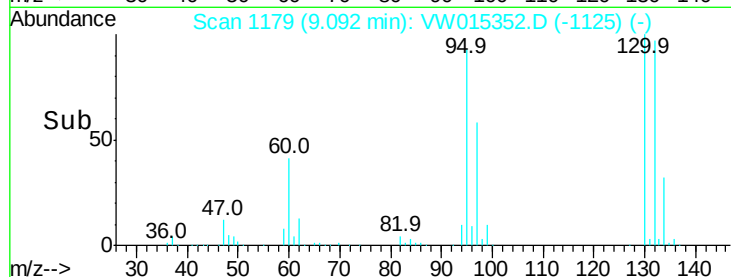
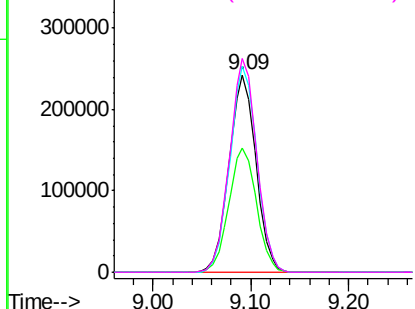
#35
 Trichloroethene
 Concen: 86.539 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW015352.D
 Acq: 27 Apr 2020 11:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10004

Tgt Ion:	95	Resp:	461416
Ion	Ratio	Lower	Upper
95	100		
97	64.5	45.6	84.6
132	105.6	74.5	138.5
130	109.3	76.7	142.5

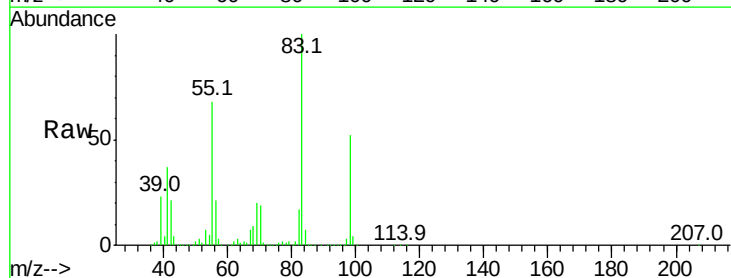


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

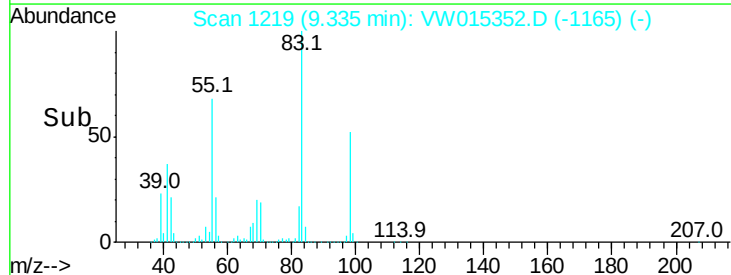
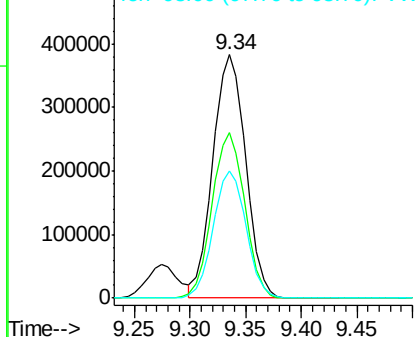


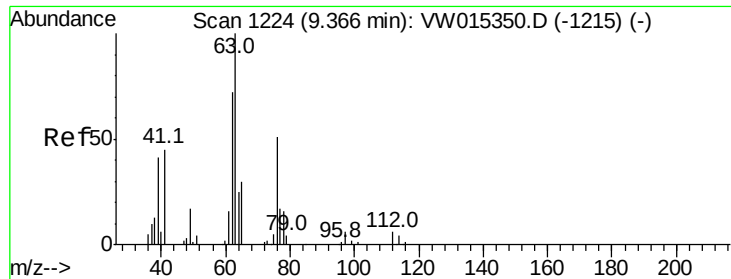
#36
 Methylcyclohexane
 Concen: 79.257 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW015352.D
 Acq: 27 Apr 2020 11:21

Tgt Ion:	83	Resp:	779769
Ion	Ratio	Lower	Upper
83	100		
55	67.8	53.8	80.8
98	52.2	41.0	61.4



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

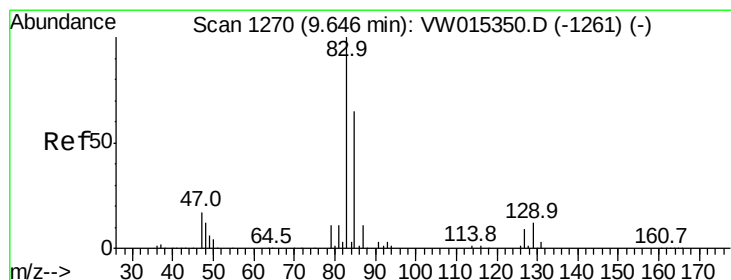
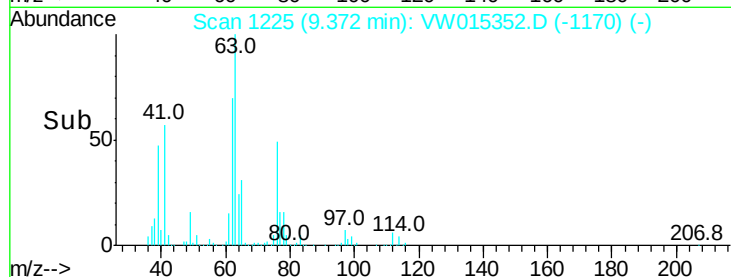
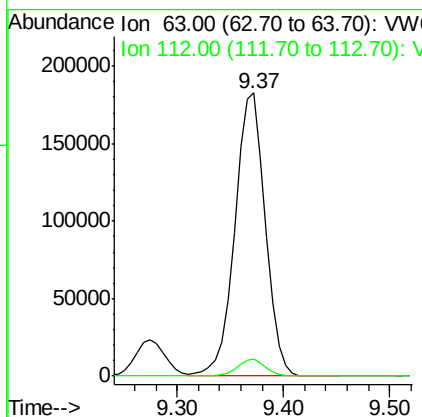
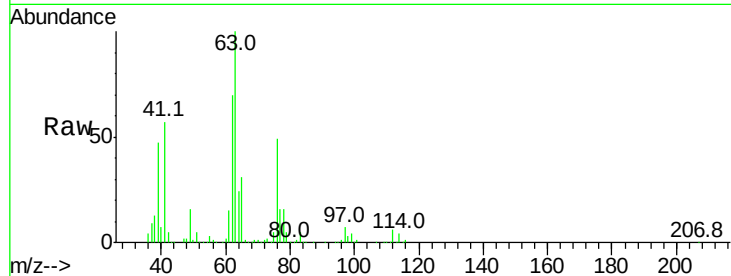




#40
 1,2-Dichloropropane
 Concen: 73.222 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW015352.D
 Acq: 27 Apr 2020 11:21

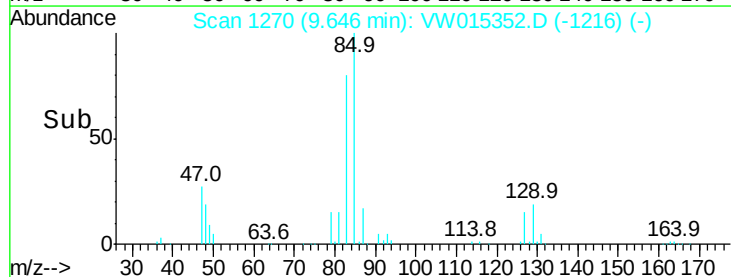
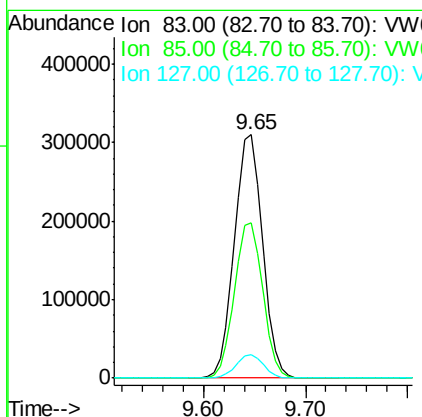
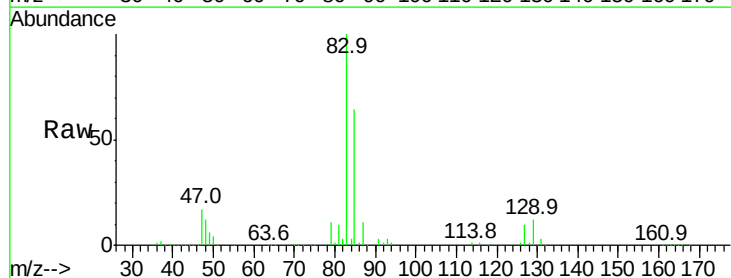
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10004

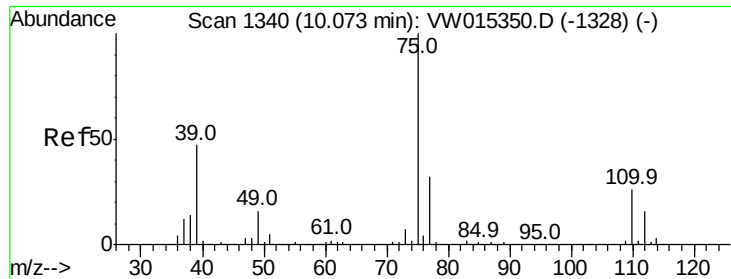
Tgt Ion: 63 Resp: 365739
 Ion Ratio Lower Upper
 63 100
 112 5.5 4.6 6.8



#41
 Bromodichloromethane
 Concen: 95.178 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW015352.D
 Acq: 27 Apr 2020 11:21

Tgt Ion: 83 Resp: 593477
 Ion Ratio Lower Upper
 83 100
 85 63.6 45.8 85.2
 127 9.8 7.5 11.3





#42

cis-1,3-Dichloropropene

Concen: 85.623 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW015352.D

Acq: 27 Apr 2020 11:21

Instrument :

MSVOA_W

ClientSampleId :

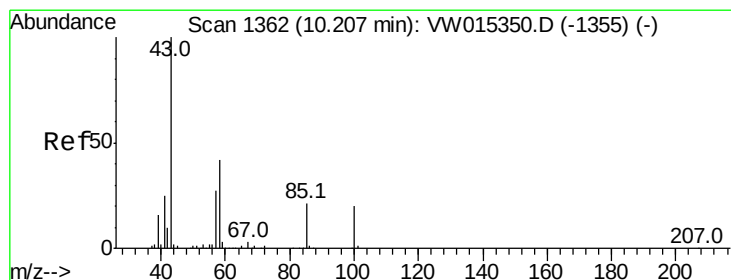
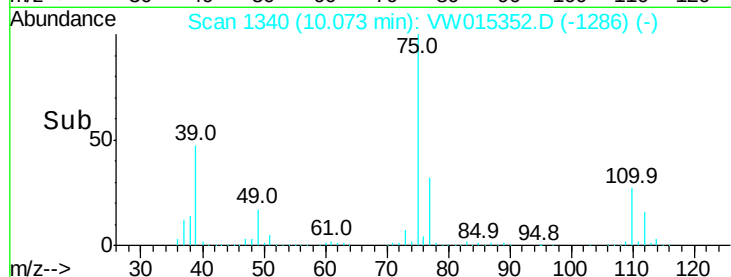
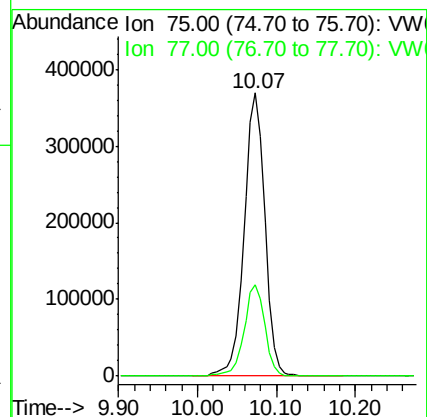
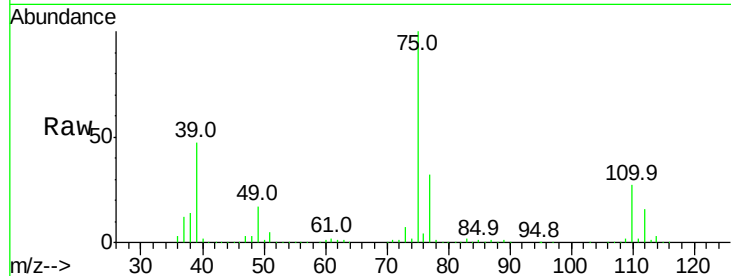
VSTD10004

Tgt Ion: 75 Resp: 672717

Ion Ratio Lower Upper

75 100

77 32.1 22.6 42.0



#43

4-Methyl-2-pentanone

Concen: 149.126 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW015352.D

Acq: 27 Apr 2020 11:21

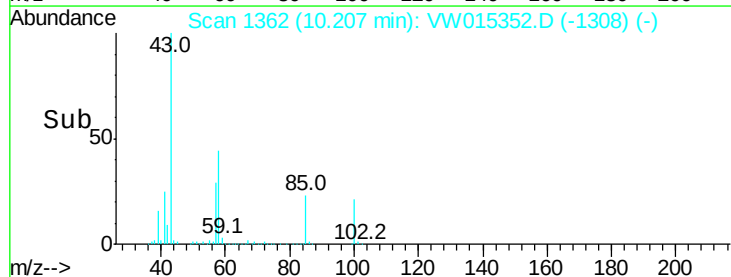
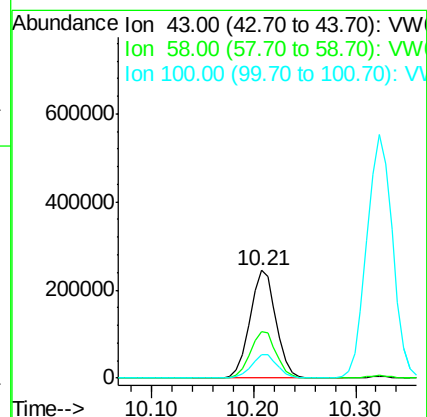
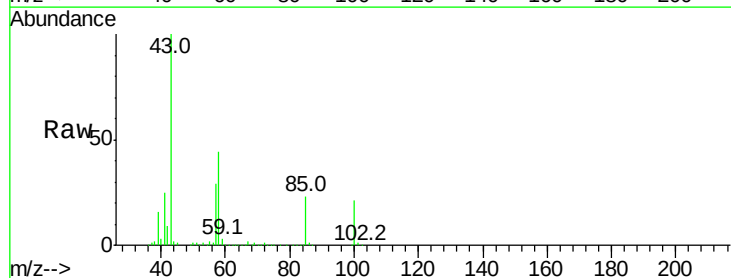
Tgt Ion: 43 Resp: 431105

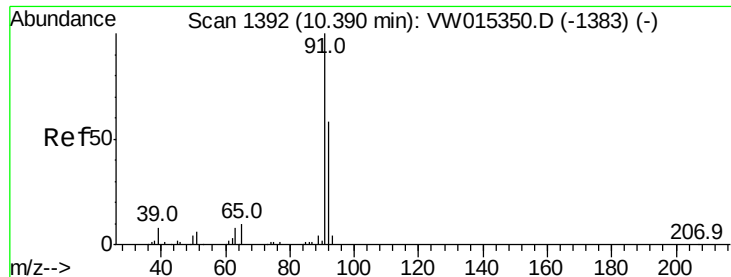
Ion Ratio Lower Upper

43 100

58 43.5 34.2 51.4

100 21.7 17.0 25.6





#44

Toluene

Concen: 89.462 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW015352.D

Acq: 27 Apr 2020 11:21

Instrument :

MSVOA_W

ClientSampleId :

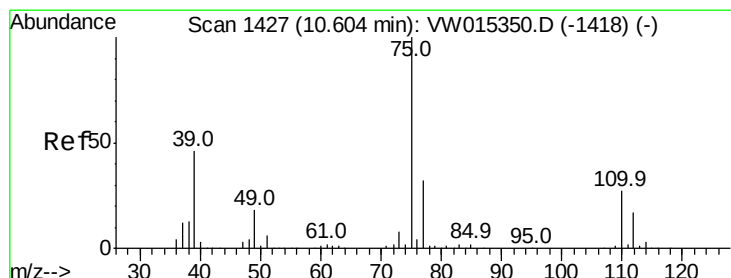
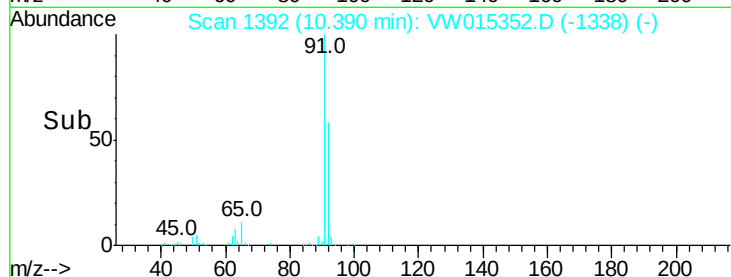
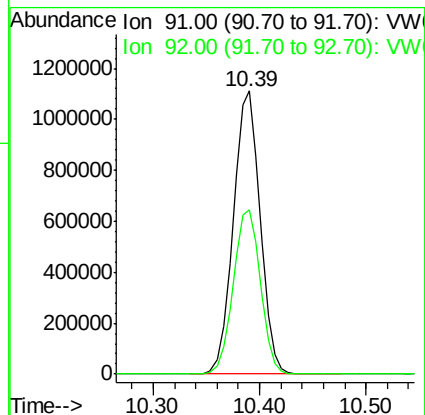
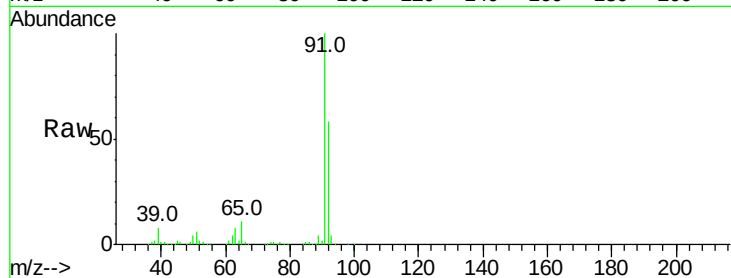
VSTD10004

Tgt Ion: 91 Resp: 1956070

Ion Ratio Lower Upper

91 100

92 58.3 40.8 75.8



#45

trans-1,3-Dichloropropene

Concen: 92.576 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW015352.D

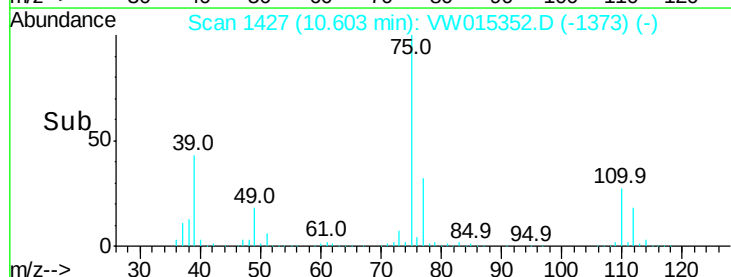
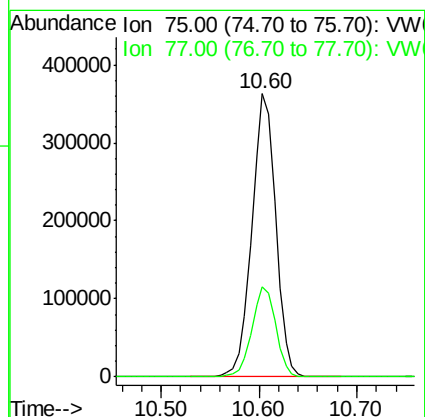
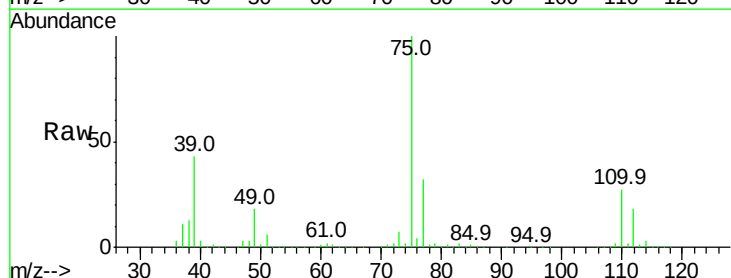
Acq: 27 Apr 2020 11:21

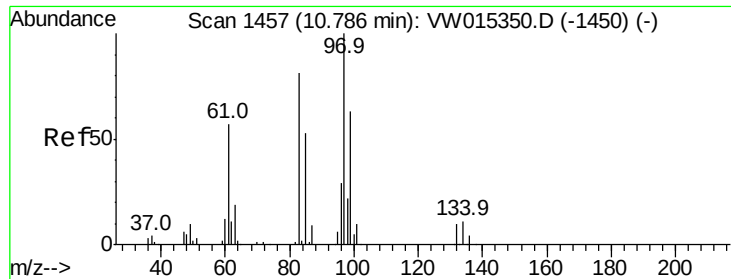
Tgt Ion: 75 Resp: 615288

Ion Ratio Lower Upper

75 100

77 32.0 22.3 41.5

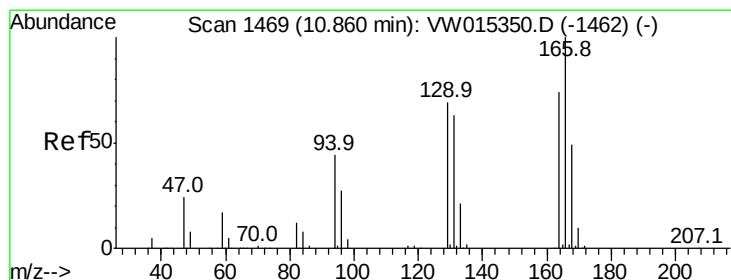
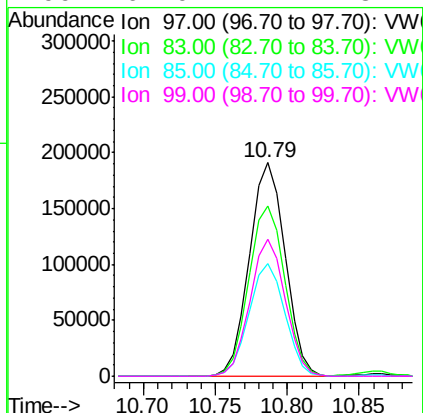
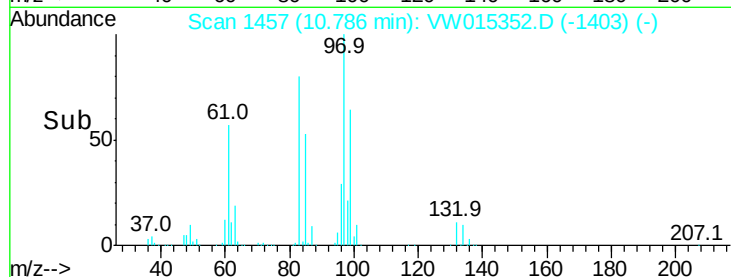
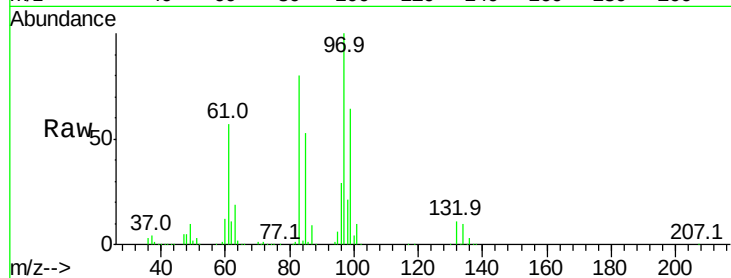




#46
 1,1,2-Trichloroethane
 Concen: 92.931 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW015352.D
 Acq: 27 Apr 2020 11:21

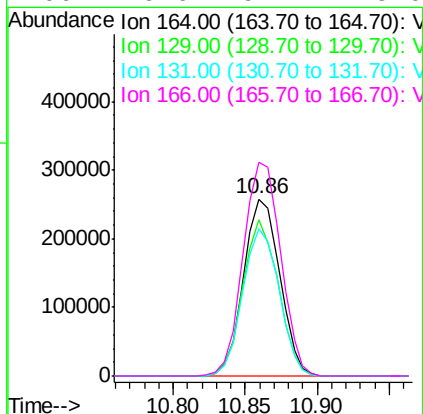
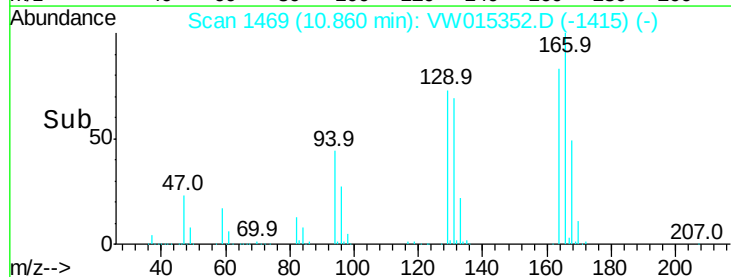
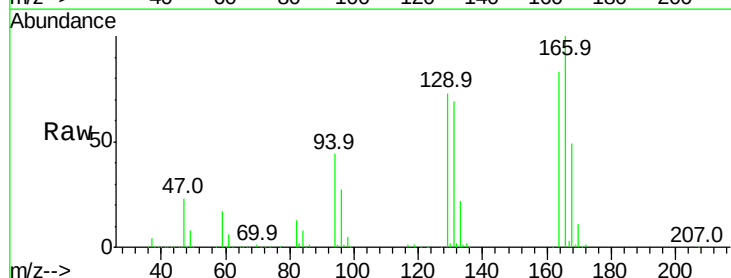
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10004

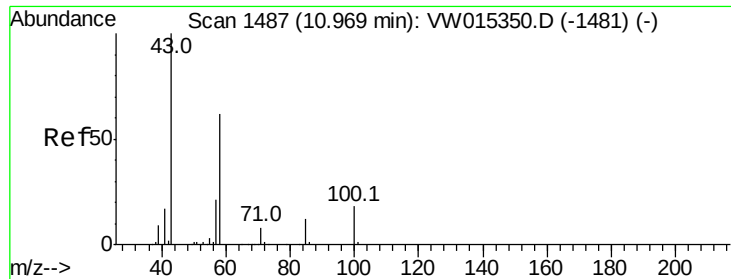
Tgt Ion:	97	Resp:	328466
Ion	Ratio	Lower	Upper
97	100		
83	80.0	56.8	105.6
85	52.6	37.3	69.3
99	64.0	44.2	82.2



#47
 Tetrachloroethene
 Concen: 111.130 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VW015352.D
 Acq: 27 Apr 2020 11:21

Tgt Ion:	164	Resp:	450001
Ion	Ratio	Lower	Upper
164	100		
129	88.1	65.3	121.3
131	83.2	59.1	109.7
166	120.6	94.2	175.0

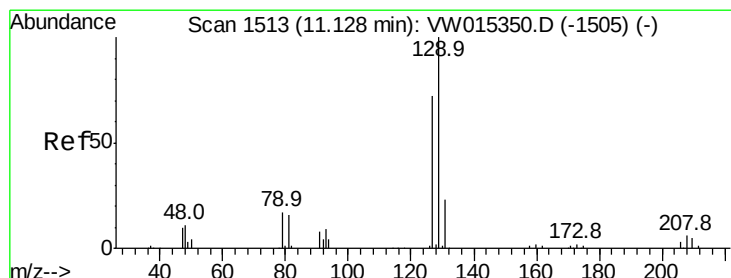
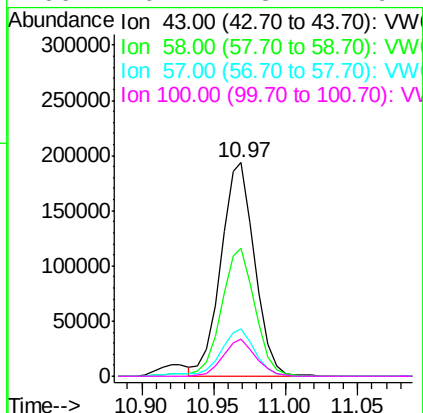
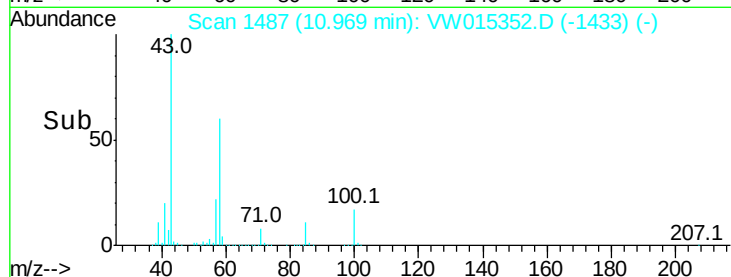
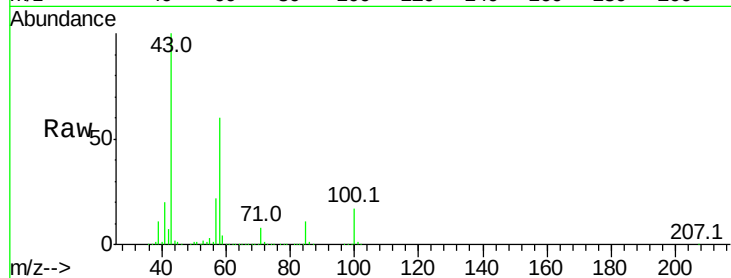




#49
2-Hexanone
Concen: 166.344 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW015352.D
Acq: 27 Apr 2020 11:21

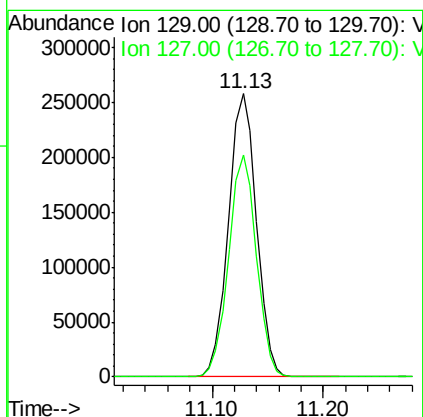
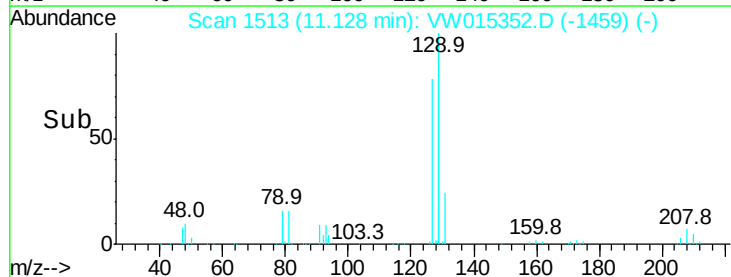
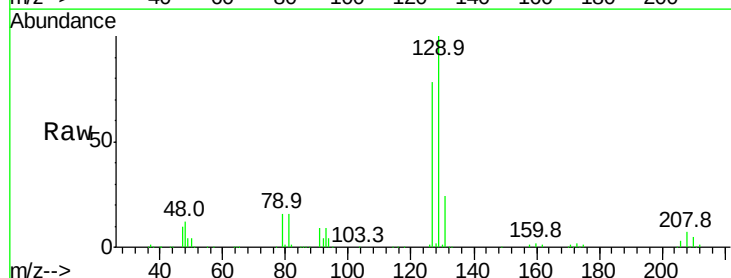
Instrument :
MSVOA_W
ClientSampleId :
VSTD10004

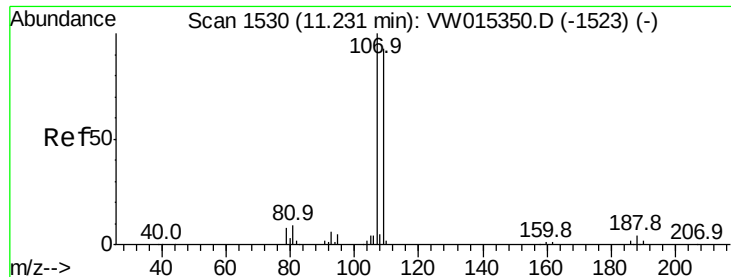
Tgt Ion: 43 Resp: 317433
Ion Ratio Lower Upper
43 100
58 60.3 47.4 71.2
57 21.9 16.7 25.1
100 16.7 13.4 20.2



#50
Dibromochloromethane
Concen: 107.918 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW015352.D
Acq: 27 Apr 2020 11:21

Tgt Ion: 129 Resp: 448746
Ion Ratio Lower Upper
129 100
127 78.4 50.7 94.1

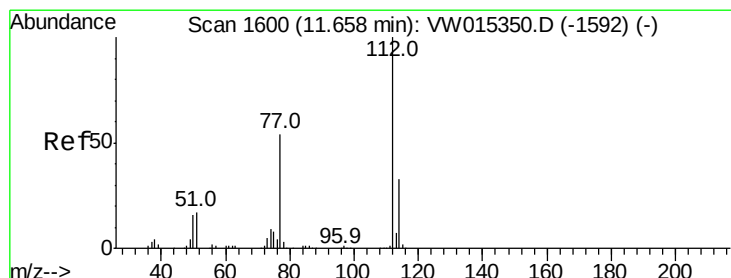
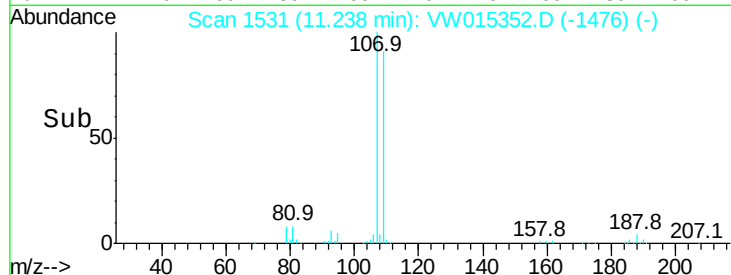
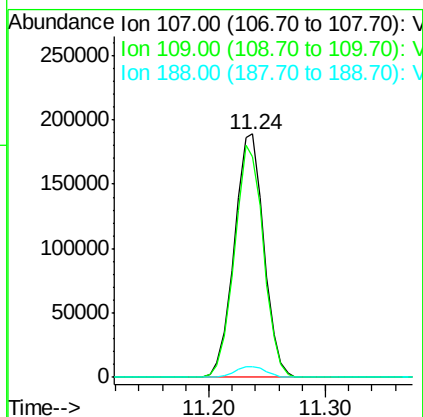
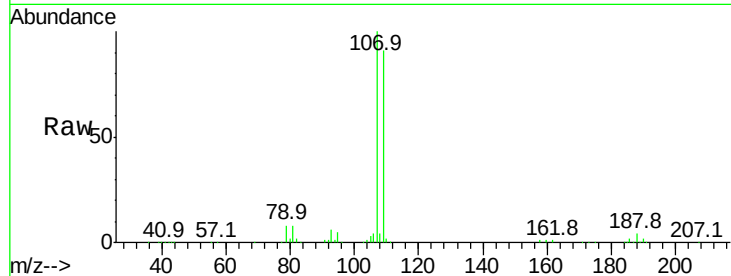




#51
 1,2-Dibromoethane
 Concen: 100.597 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW015352.D
 Acq: 27 Apr 2020 11:21

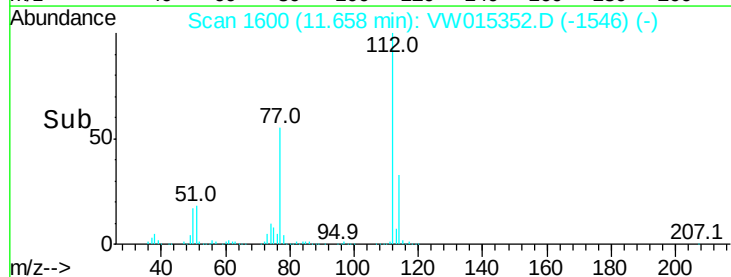
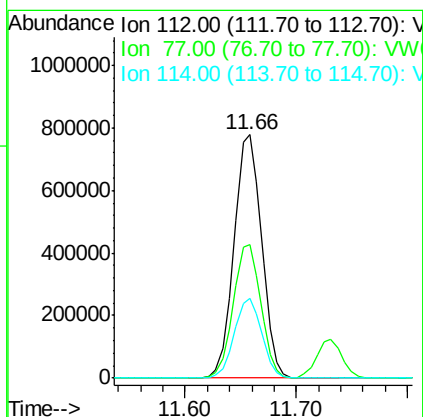
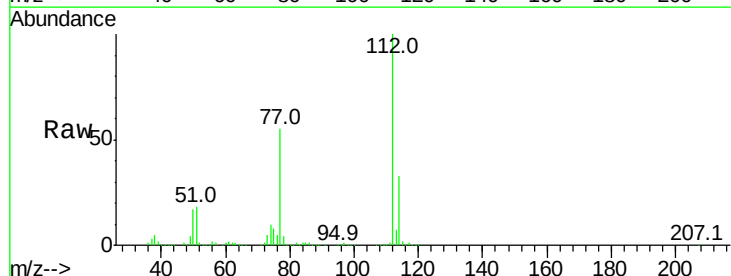
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10004

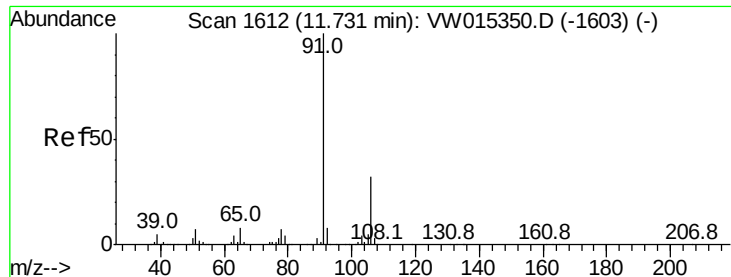
Tgt Ion:107 Resp: 334146
 Ion Ratio Lower Upper
 107 100
 109 90.8 65.3 121.3
 188 4.4 3.1 4.7



#52
 Chlorobenzene
 Concen: 98.768 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW015352.D
 Acq: 27 Apr 2020 11:21

Tgt Ion:112 Resp: 1332600
 Ion Ratio Lower Upper
 112 100
 77 55.0 43.0 64.6
 114 33.0 23.3 43.3





#53

Ethylbenzene

Concen: 94.095 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW015352.D

Acq: 27 Apr 2020 11:21

Instrument :

MSVOA_W

ClientSampleId :

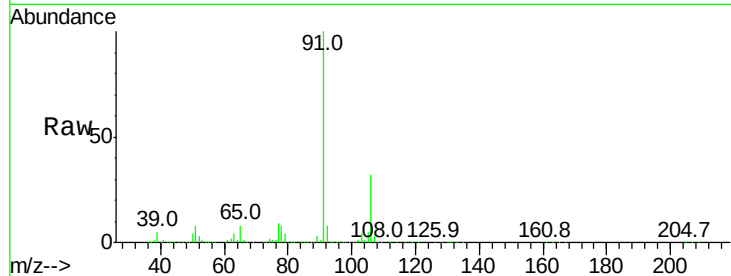
VSTD10004

Tgt Ion: 91 Resp: 2306625

Ion Ratio Lower Upper

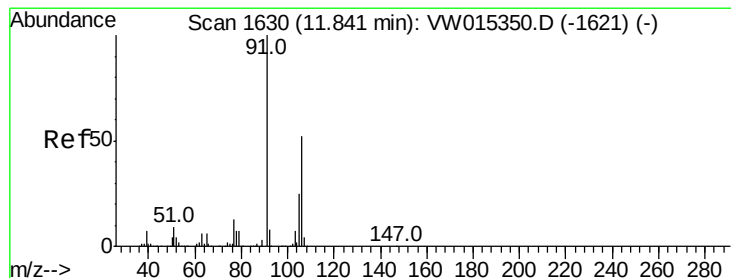
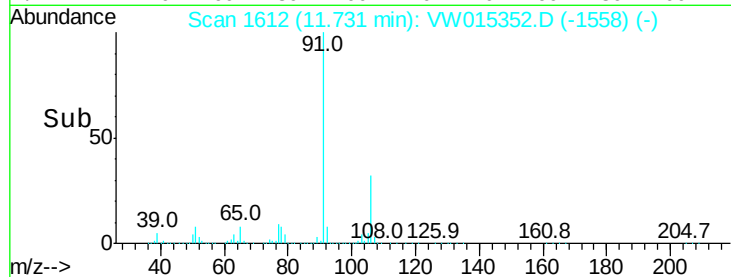
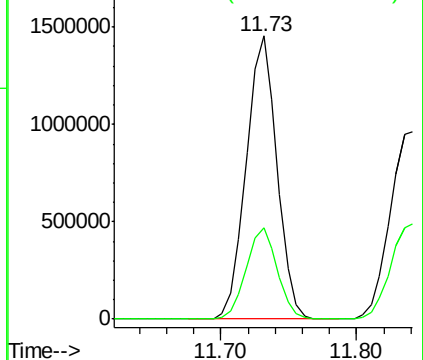
91 100

106 32.4 22.5 41.9



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 98.275 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW015352.D

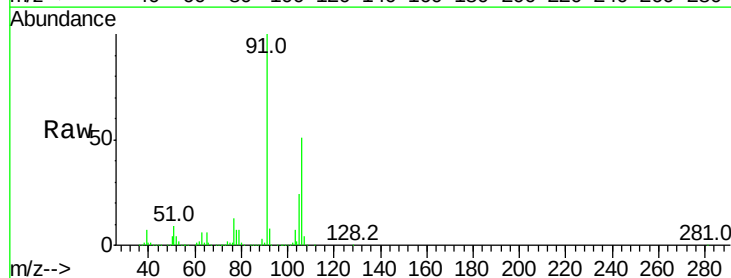
Acq: 27 Apr 2020 11:21

Tgt Ion: 106 Resp: 927469

Ion Ratio Lower Upper

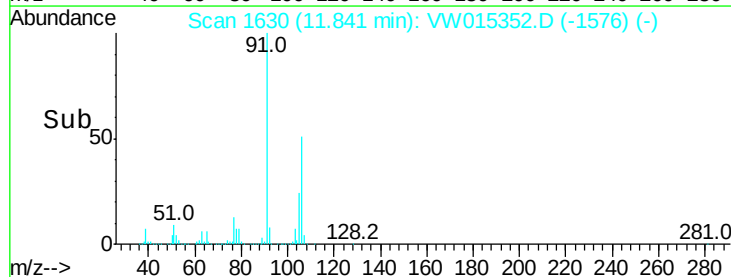
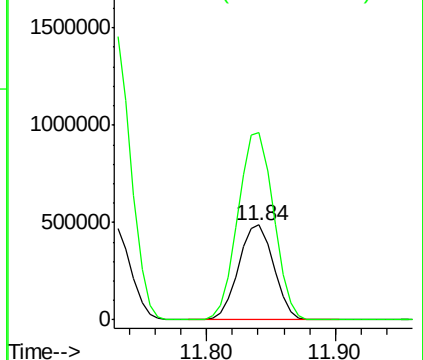
106 100

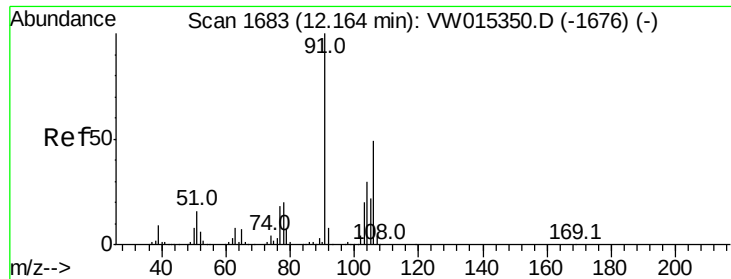
91 197.2 134.3 249.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

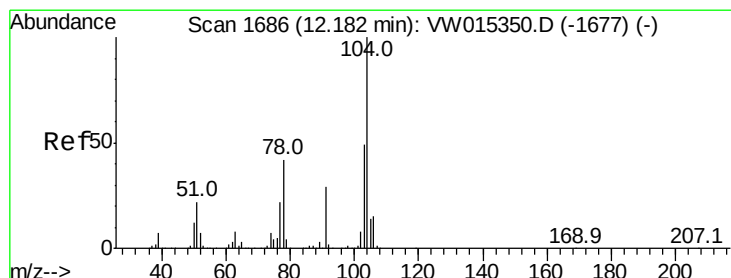
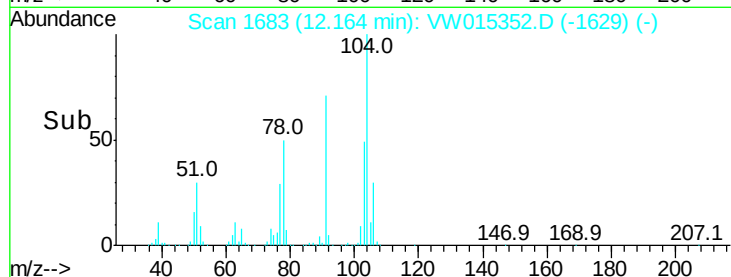
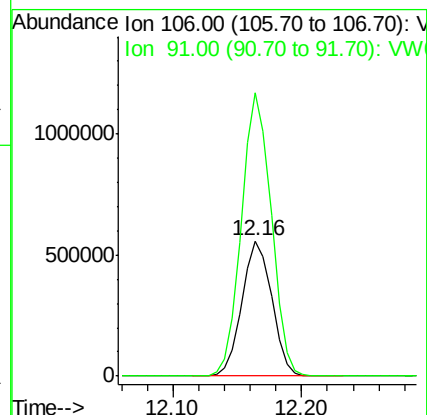
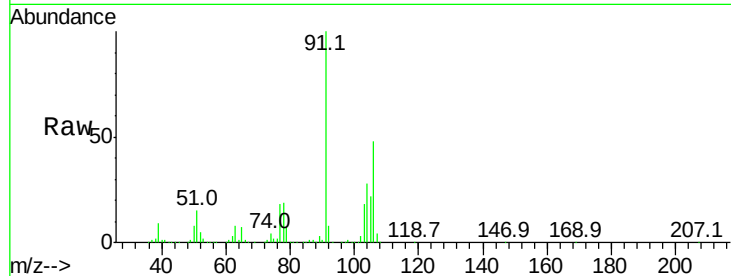




#55
o-xylene
Concen: 98.942 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW015352.D
Acq: 27 Apr 2020 11:21

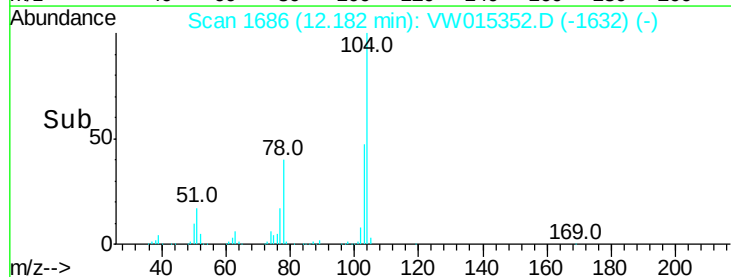
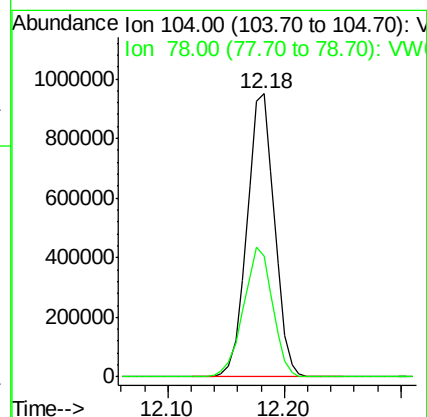
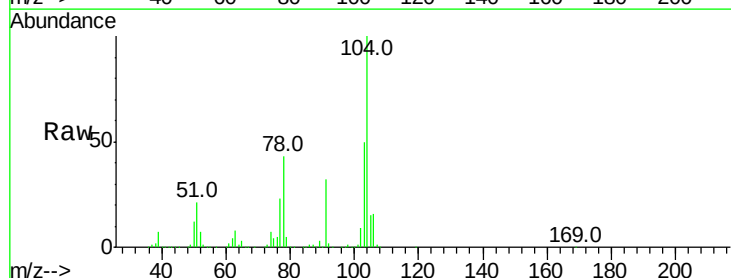
Instrument :
MSVOA_W
ClientSampled :
VSTD10004

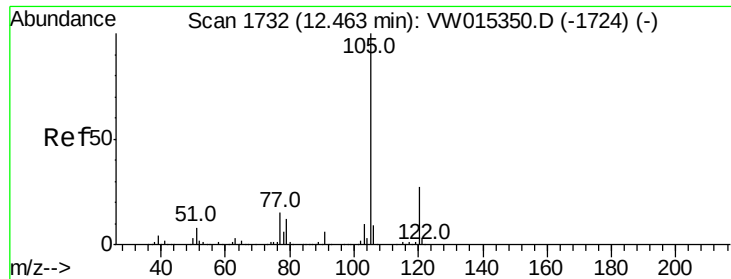
Tgt Ion:106 Resp: 894105
Ion Ratio Lower Upper
106 100
91 209.6 142.0 263.8



#56
Styrene
Concen: 103.509 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW015352.D
Acq: 27 Apr 2020 11:21

Tgt Ion:104 Resp: 1562880
Ion Ratio Lower Upper
104 100
78 42.8 29.5 54.7





#57

Isopropylbenzene

Concen: 100.147 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW015352.D

Acq: 27 Apr 2020 11:21

Instrument :

MSVOA_W

ClientSampleId :

VSTD10004

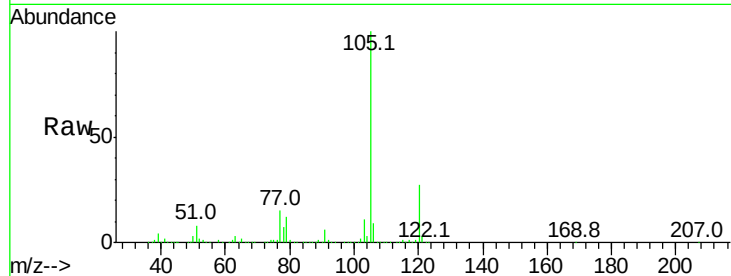
Tgt Ion:105 Resp: 2431208

Ion Ratio Lower Upper

105 100

120 27.8 21.8 32.8

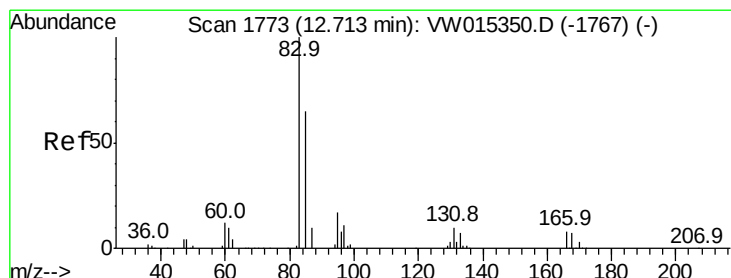
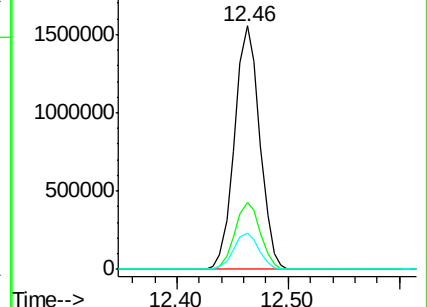
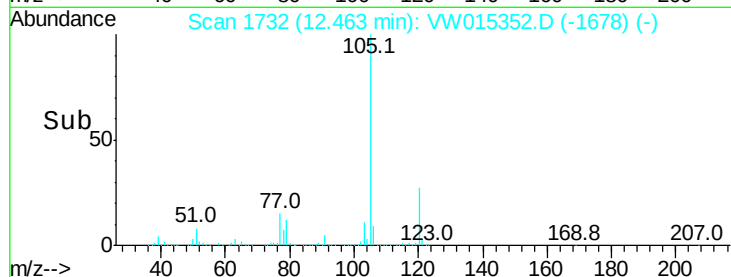
77 15.1 12.1 18.1



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: 90.917 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW015352.D

Acq: 27 Apr 2020 11:21

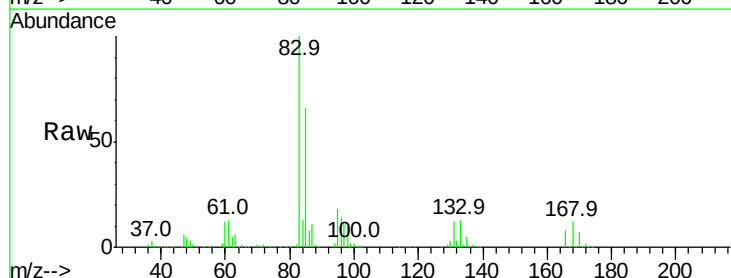
Tgt Ion: 83 Resp: 368626

Ion Ratio Lower Upper

83 100

85 66.1 45.7 84.9

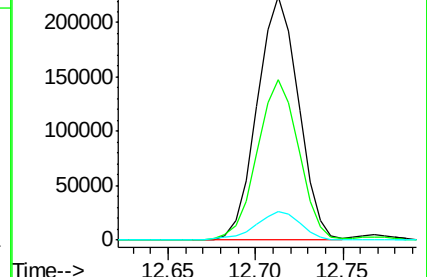
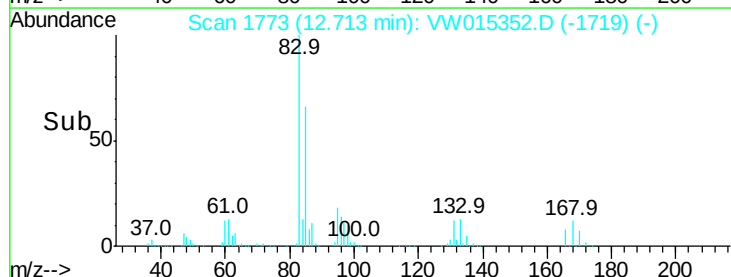
131 11.6 8.8 13.2

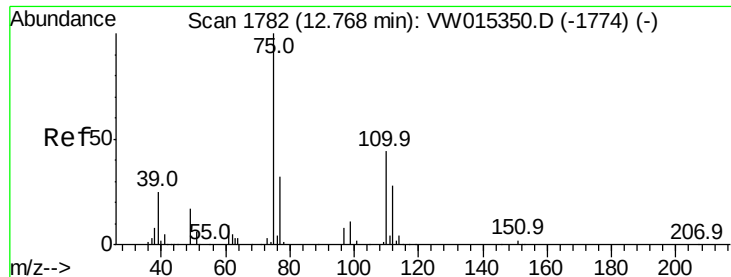


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 92.543 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW015352.D

Acq: 27 Apr 2020 11:21

Instrument :

MSVOA_W

ClientSampleId :

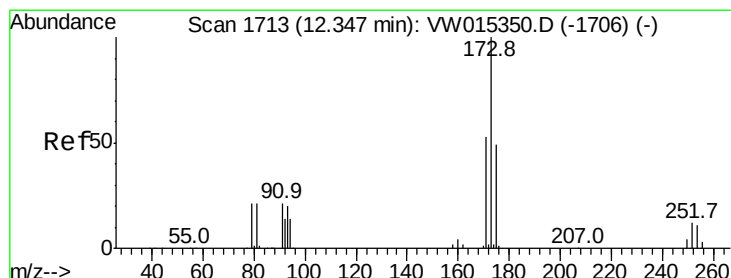
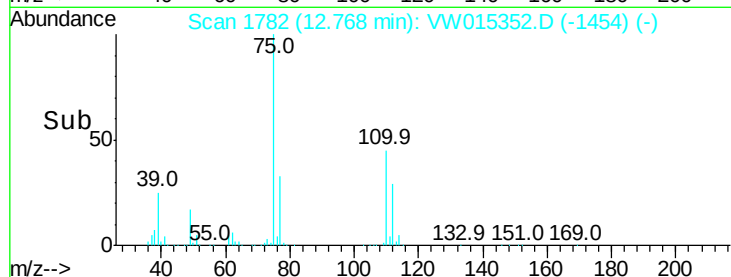
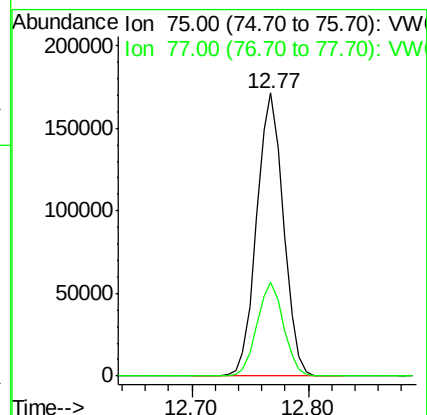
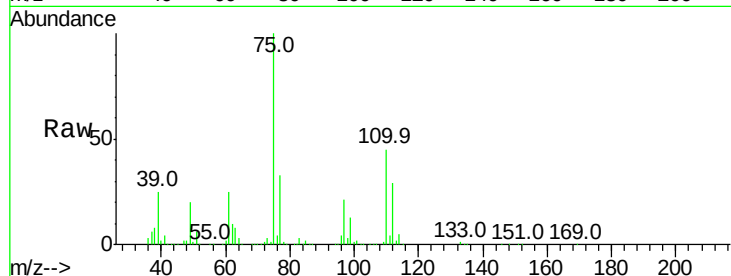
VSTD10004

Tgt Ion: 75 Resp: 276001

Ion Ratio Lower Upper

75 100

77 32.7 26.9 40.3



#62

Bromoform

Concen: 102.545 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW015352.D

Acq: 27 Apr 2020 11:21

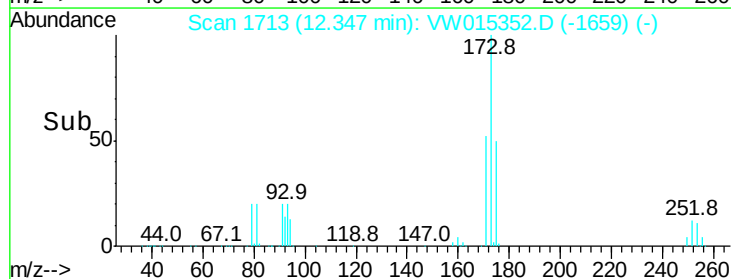
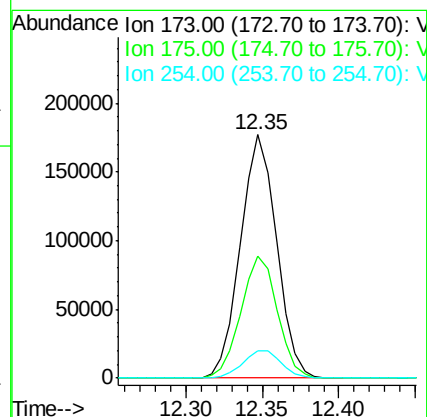
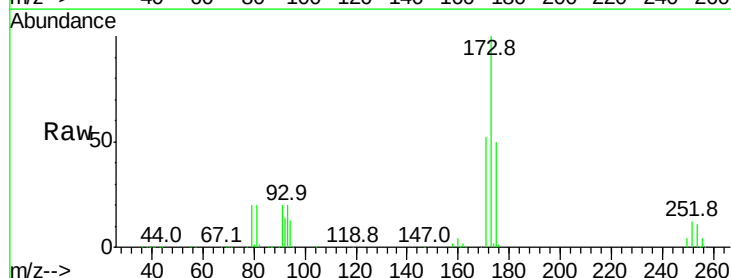
Tgt Ion: 173 Resp: 291570

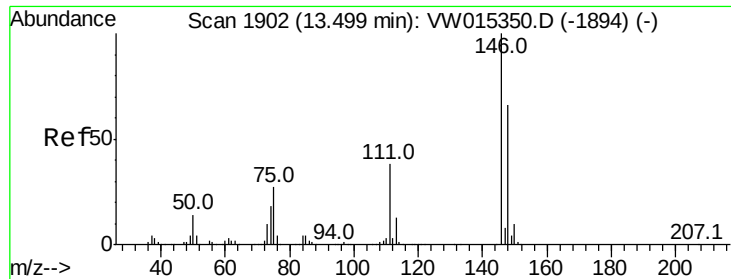
Ion Ratio Lower Upper

173 100

175 50.4 39.5 59.3

254 11.9 9.0 13.6

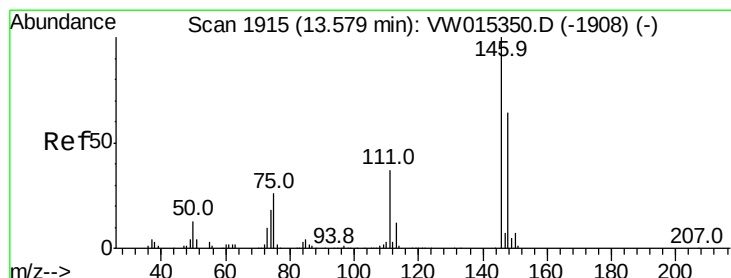
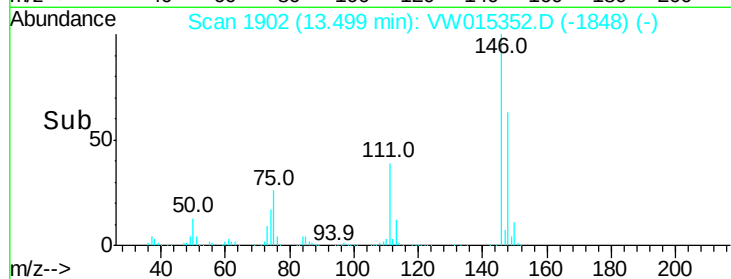
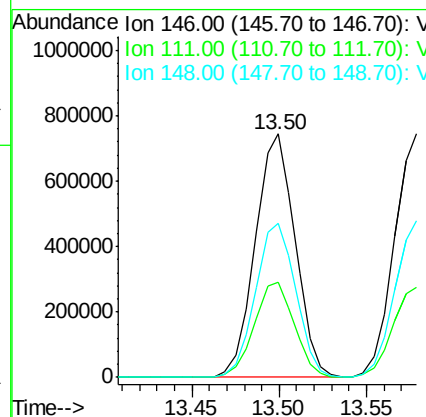
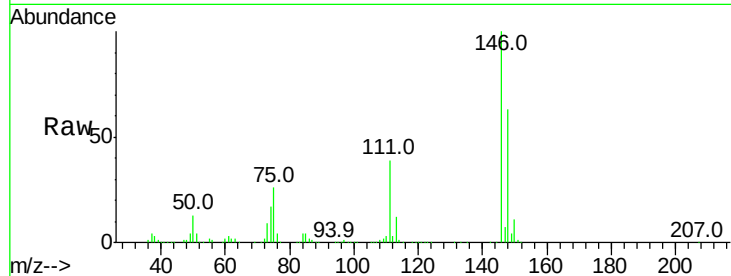




#63
 1,3-Dichlorobenzene
 Concen: 97.569 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW015352.D
 Acq: 27 Apr 2020 11:21

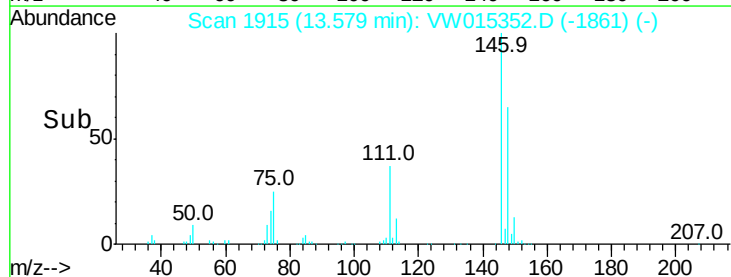
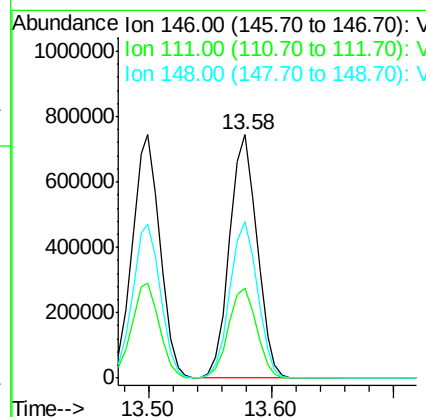
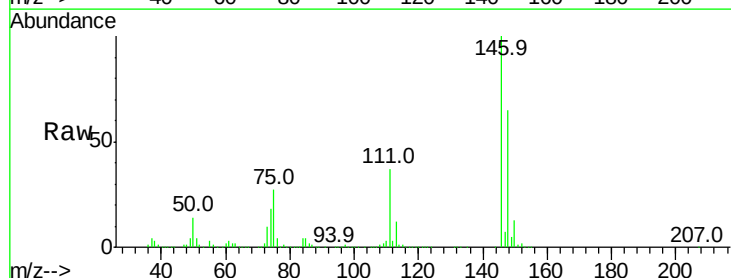
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10004

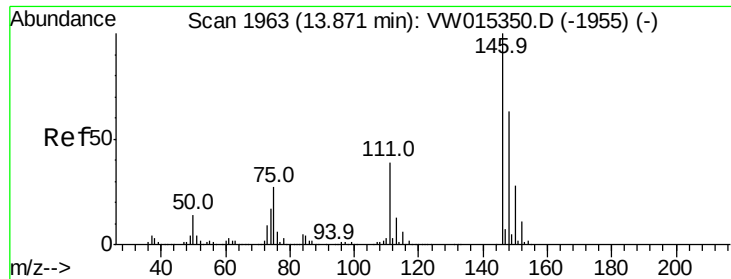
Tgt Ion:146 Resp: 1177840
 Ion Ratio Lower Upper
 146 100
 111 39.1 26.4 49.0
 148 63.4 46.1 85.5



#64
 1,4-Dichlorobenzene
 Concen: 98.033 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW015352.D
 Acq: 27 Apr 2020 11:21

Tgt Ion:146 Resp: 1157084
 Ion Ratio Lower Upper
 146 100
 111 37.3 26.0 48.4
 148 64.7 44.7 83.1

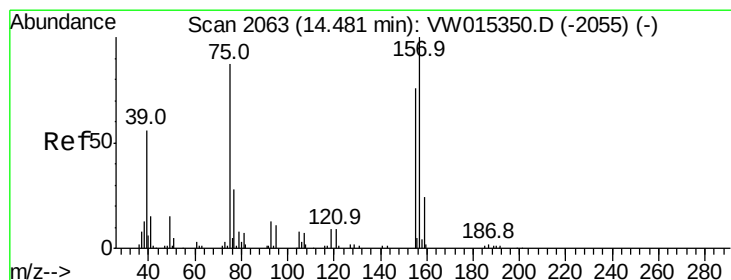
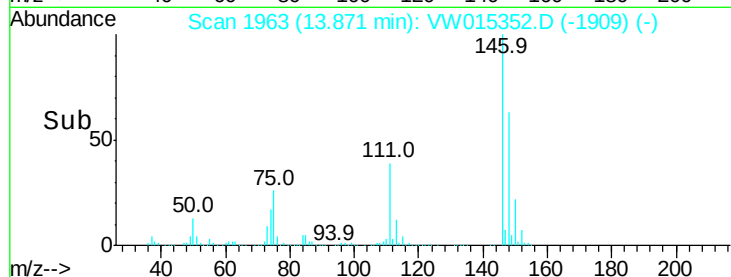
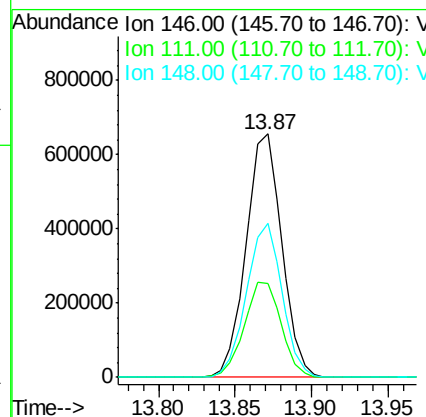
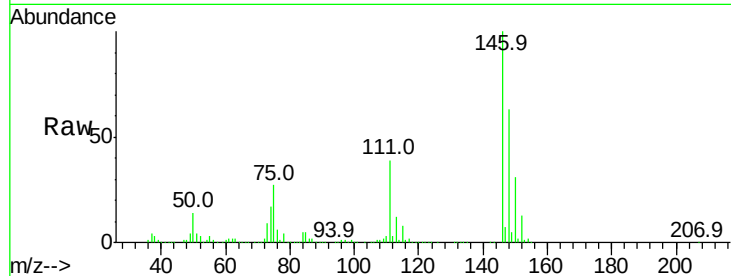




#65
 1,2-Dichlorobenzene
 Concen: 99.525 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW015352.D
 Acq: 27 Apr 2020 11:21

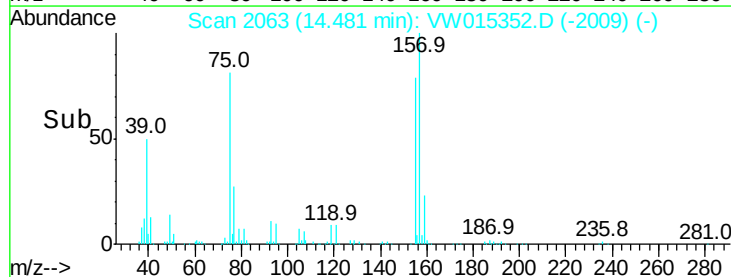
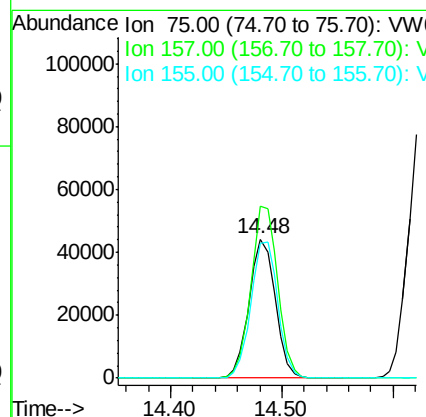
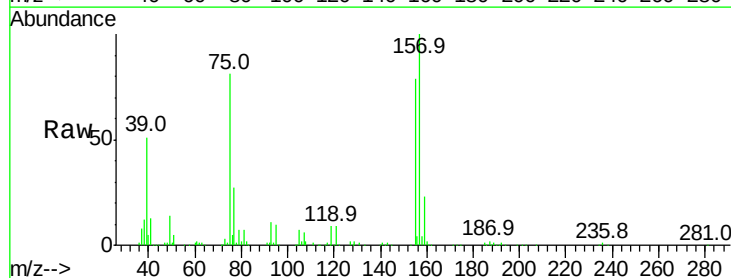
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10004

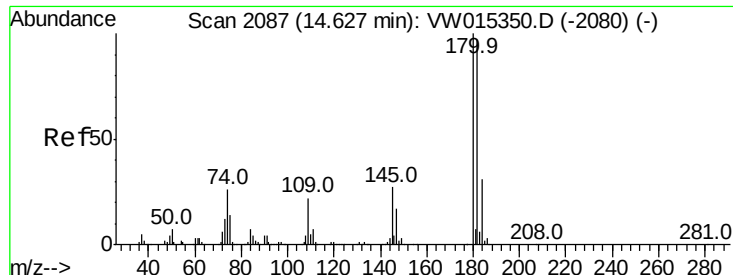
Tgt Ion:146 Resp: 1065645
 Ion Ratio Lower Upper
 146 100
 111 38.7 31.2 46.8
 148 63.5 50.7 76.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 89.537 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW015352.D
 Acq: 27 Apr 2020 11:21

Tgt Ion: 75 Resp: 72648
 Ion Ratio Lower Upper
 75 100
 157 123.2 92.3 138.5
 155 97.0 70.4 105.6

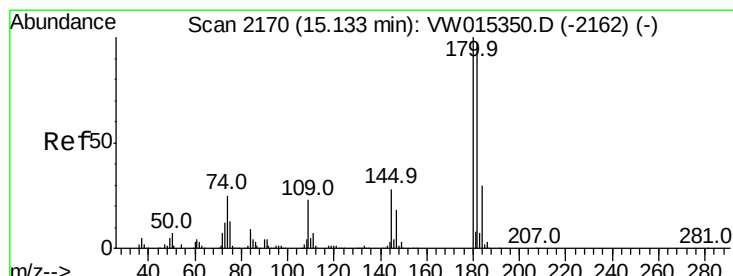
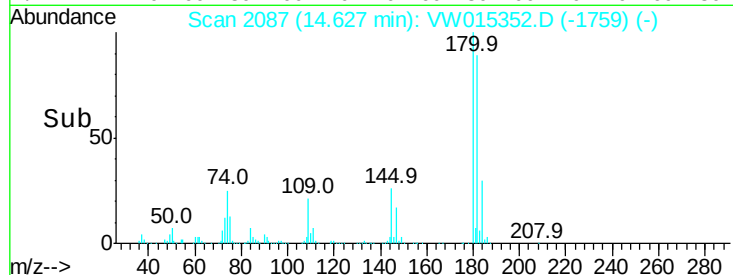
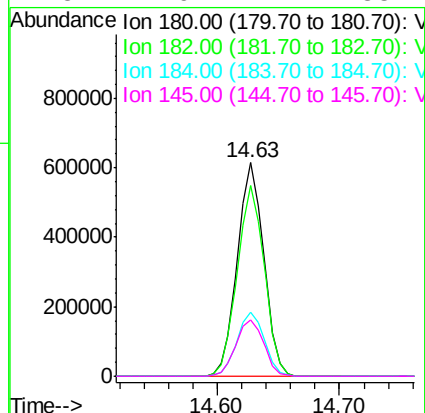
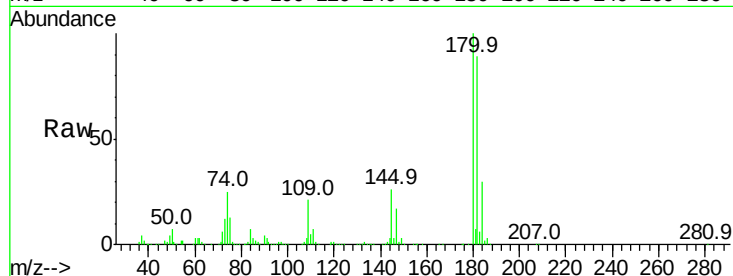




#67
 1,3,5-Trichlorobenzene
 Concen: 111.648 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW015352.D
 Acq: 27 Apr 2020 11:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10004

Tgt Ion:	180	Resp:	920000
Ion	Ratio	Lower	Upper
180	100		
182	91.4	78.1	117.1
184	30.8	24.5	36.7
145	27.9	22.2	33.2



#68
 1,2,4-trichlorobenzene
 Concen: 110.518 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW015352.D
 Acq: 27 Apr 2020 11:21

Tgt Ion:	180	Resp:	748949
Ion	Ratio	Lower	Upper
180	100		
182	95.4	77.9	116.9
145	29.4	23.5	35.3

