

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071420\
 Data File : VW015852.D
 Acq On : 14 Jul 2020 08:55
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02526

Quant Time: Jul 15 06:34:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071320S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 14 12:33:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	308470	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	302702	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	156854	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	132447	24.83	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.32%
7) Chloroethane-d5	2.90	69	146057	27.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	108.16%
10) 1,1-Dichloroethene-d2	4.01	63	149732	20.54	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	82.16%
20) 2-Butanone-d5	7.09	46	36722	44.61	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.22%
24) Chloroform-d	7.65	84	199177	23.71	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.84%
26) 1,2-Dichloroethane-d4	8.31	65	110555	24.49	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.96%
29) Benzene-d6	8.27	84	404668	24.08	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.32%
33) 1,2-Dichloropropane-d6	9.27	67	110823	23.18	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.72%
37) Toluene-d8	10.32	98	396944	24.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.56%
38) trans-1,3-Dichloropropene-	10.58	79	49834	24.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.56%
39) 2-Hexanone-d5	10.93	63	35163	51.35	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.70%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	94765	24.45	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.80%
61) 1,2-Dichlorobenzene-d4	13.85	152	142377	24.16	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.64%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	45404	22.491	ug/L	90
3) Chloromethane	2.22	50	92245	27.550	ug/L	99
5) Vinyl chloride	2.37	62	149880	25.778	ug/L	100
6) Bromomethane	2.79	94	135936	25.692	ug/L	99
8) Chloroethane	2.93	64	117993	27.860	ug/L	100
9) Trichlorofluoromethane	3.27	101	155569	27.073	ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	72999	21.261	ug/L	95
12) 1,1-Dichloroethene	4.04	96	68462	21.126	ug/L	80
13) Acetone	4.14	43	27193	43.319	ug/L	97
14) Carbon disulfide	4.38	76	237275	22.122	ug/L	98
15) Methyl Acetate	4.68	43	28720	22.301	ug/L	100
16) Methylene chloride	4.92	84	87428	21.386	ug/L	94
17) Methyl tert-butyl Ether	5.43	73	115234	23.249	ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	91252	22.926	ug/L	90
19) 1,1-Dichloroethane	6.22	63	164856	23.912	ug/L	99
21) 2-Butanone	7.18	43	42623	49.969	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	98740	23.675	ug/L	96

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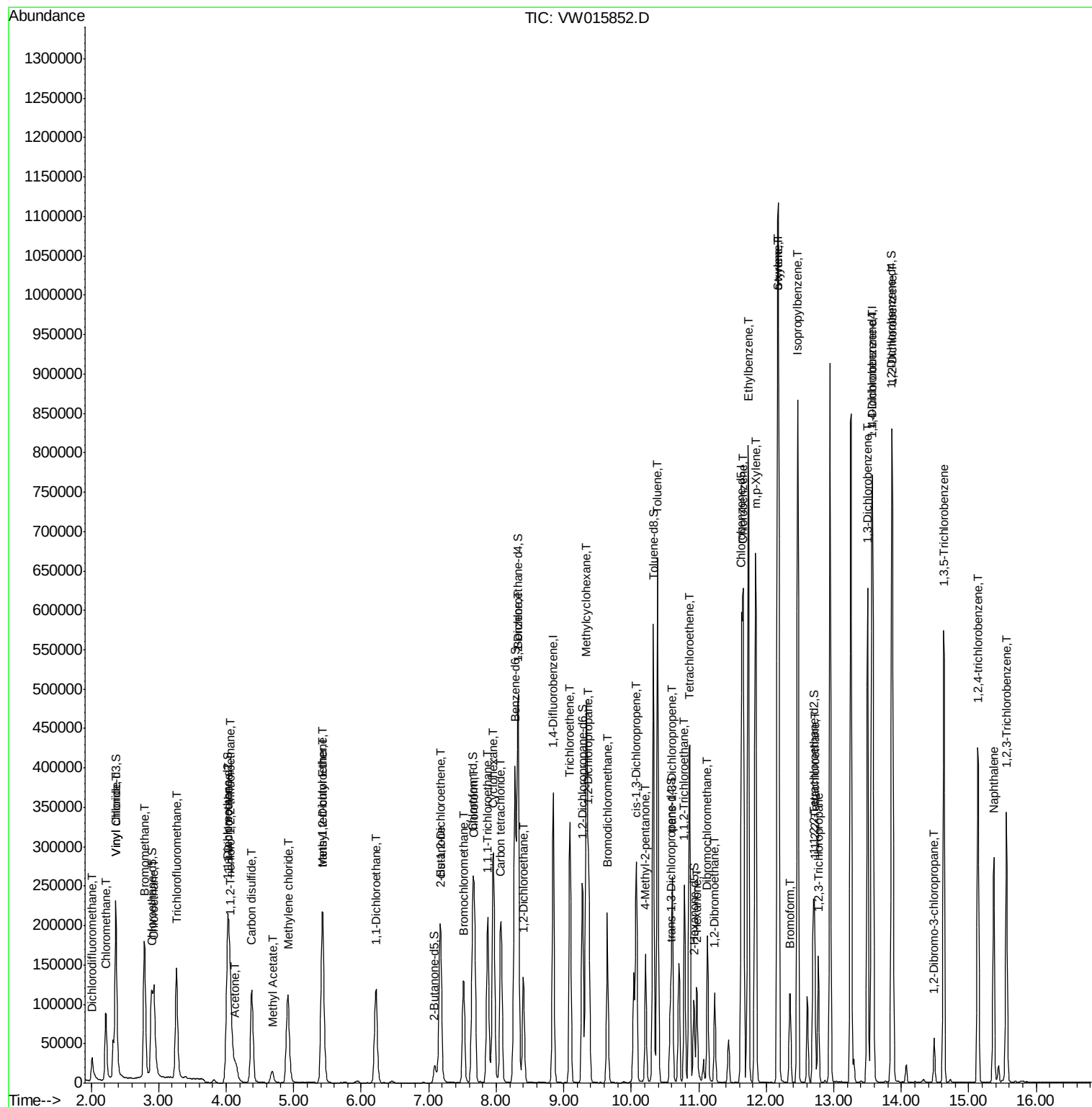
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	43972	23.590	ug/L	97
25) Chloroform	7.68	83	179667	23.958	ug/L	99
27) 1,2-Dichloroethane	8.40	62	121574	24.817	ug/L	99
30) Cyclohexane	7.96	56	151656	24.545	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	163887	24.493	ug/L	98
32) Carbon tetrachloride	8.07	117	154841	24.729	ug/L	100
34) Benzene	8.32	78	420999	24.991	ug/L	100
35) Trichloroethene	9.09	95	111262	24.327	ug/L	98
36) Methylcyclohexane	9.34	83	197021	25.164	ug/L	98
40) 1,2-Dichloropropane	9.37	63	98742	24.647	ug/L	100
41) Bromodichloromethane	9.65	83	136384	24.970	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	158817	26.401	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	96470	51.214	ug/L	100
44) Toluene	10.39	91	488179	25.746	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	137603	25.715	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	78315	25.248	ug/L	98
47) Tetrachloroethene	10.87	164	94435	25.369	ug/L	97
49) 2-Hexanone	10.97	43	72255	54.120	ug/L	98
50) Dibromochloromethane	11.13	129	95616	25.705	ug/L	95
51) 1,2-Dibromoethane	11.24	107	75180	25.474	ug/L	95
52) Chlorobenzene	11.66	112	312995	25.129	ug/L	98
53) Ethylbenzene	11.73	91	556405	25.910	ug/L	99
54) m,p-Xylene	11.84	106	221407	26.869	ug/L	94
55) o-xylene	12.17	106	206205	26.328	ug/L	92
56) Styrene	12.18	104	350103	26.531	ug/L	98
57) Isopropylbenzene	12.47	105	568340	26.456	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	92506	26.166	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	66291	25.529	ug/L	99
62) Bromoform	12.35	173	52754	24.904	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	255288	25.848	ug/L	94
64) 1,4-Dichlorobenzene	13.58	146	252773	25.264	ug/L	100
65) 1,2-Dichlorobenzene	13.87	146	224183	25.050	ug/L	94
66) 1,2-Dibromo-3-chloropropan	14.49	75	13902	25.126	ug/L	93
67) 1,3,5-Trichlorobenzene	14.63	180	168573	25.603	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	132821	25.834	ug/L	98
69) Naphthalene	15.37	128	242228	26.445	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	119705	26.096	ug/L	99

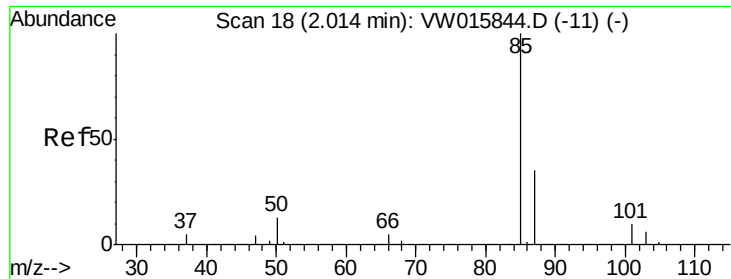
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 22.491 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW015852.D

Acq: 14 Jul 2020 08:55

Instrument :

MSVOA_W

ClientSampleId :

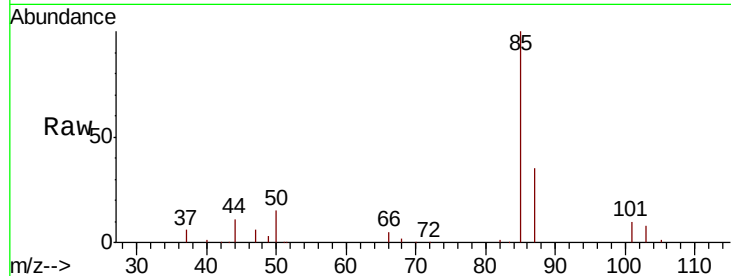
VSTD02526

Tot Ion: 85 Resp: 45404

Ion Ratio Lower Upper

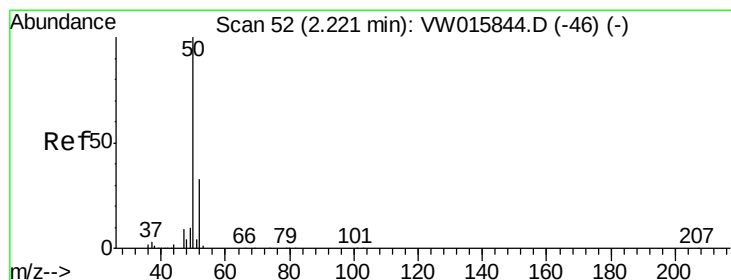
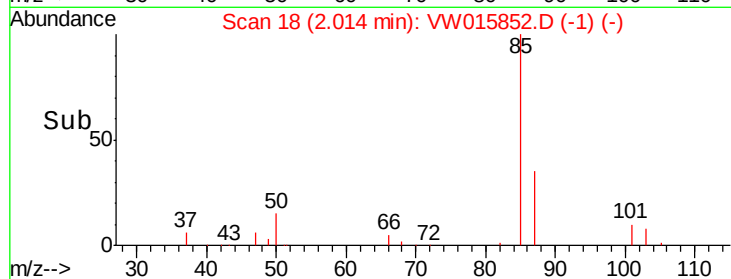
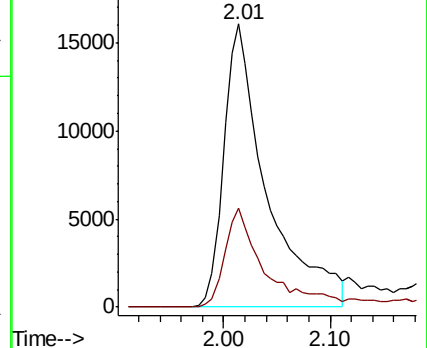
85 100

87 27.5 23.2 43.0



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 27.550 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.00 min

Lab File: VW015852.D

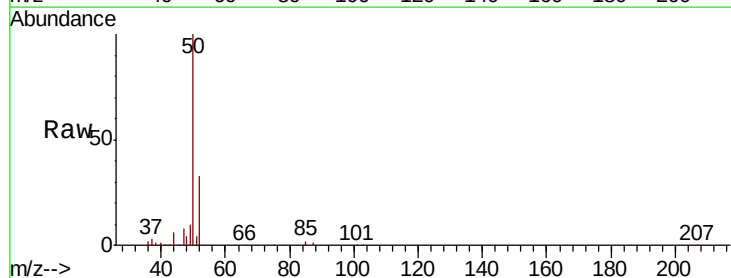
Acq: 14 Jul 2020 08:55

Tgt Ion: 50 Resp: 92245

Ion Ratio Lower Upper

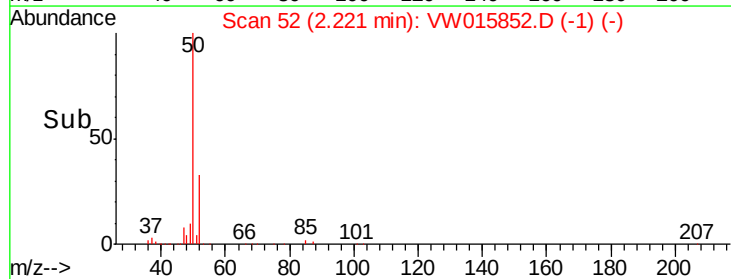
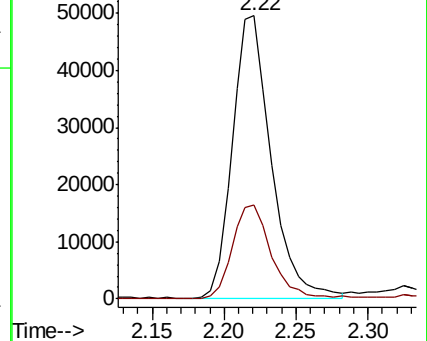
50 100

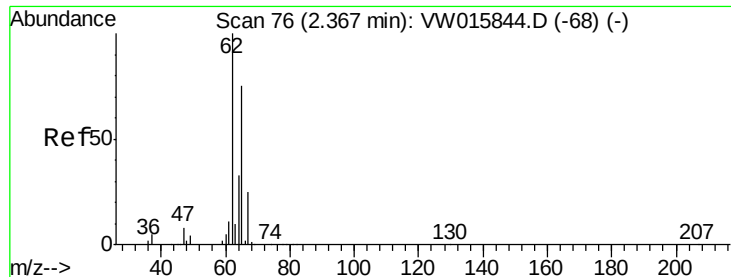
52 33.0 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 25.778 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW015852.D

Acq: 14 Jul 2020 08:55

Instrument :

MSVOA_W

ClientSampleId :

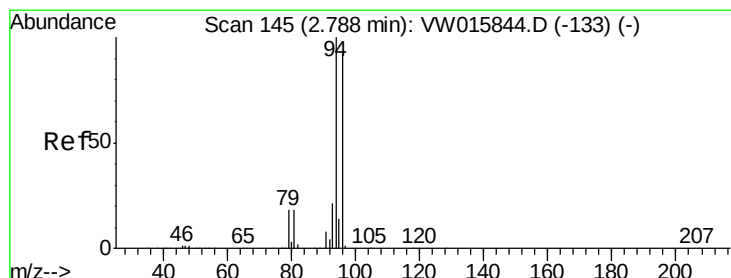
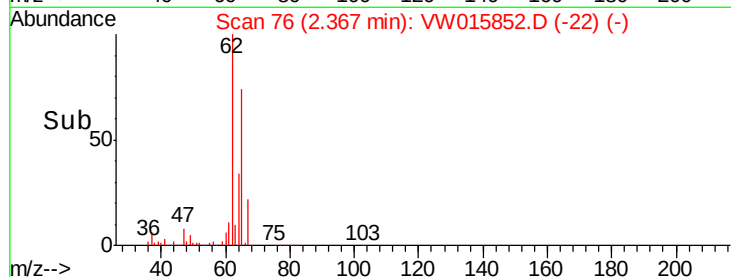
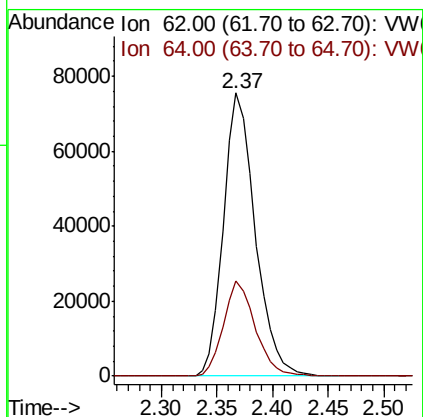
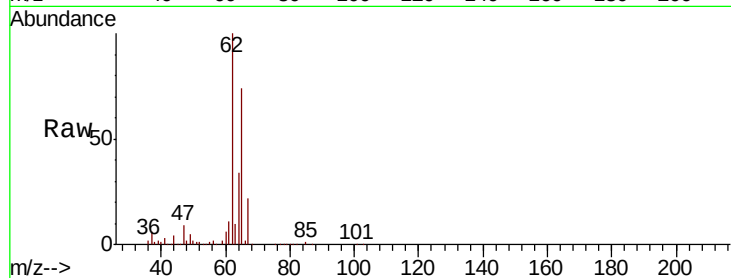
VSTD02526

Tot Ion: 62 Resp: 149880

Ion Ratio Lower Upper

62 100

64 33.6 23.7 43.9



#6

Bromomethane

Concen: 25.692 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW015852.D

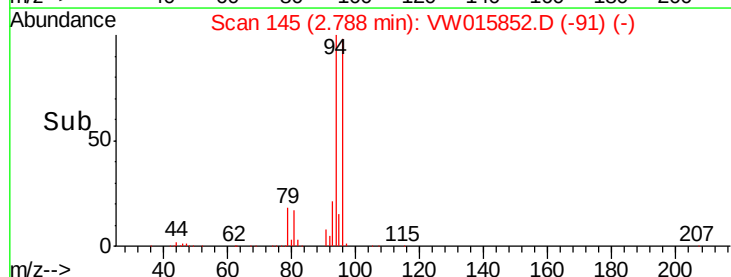
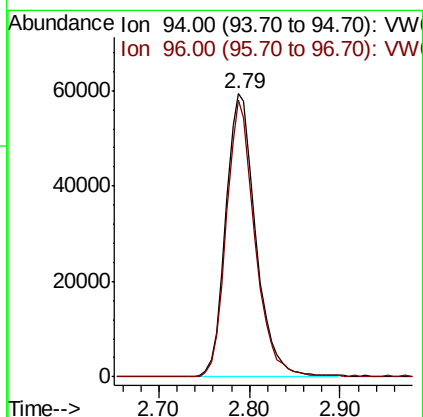
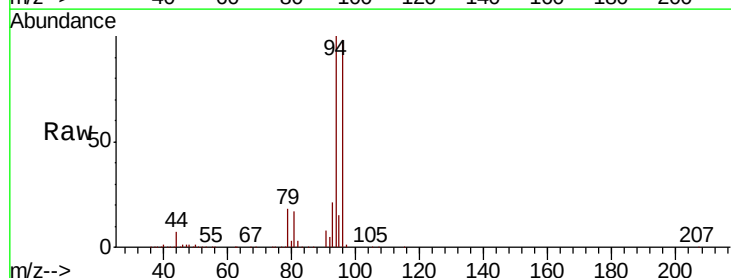
Acq: 14 Jul 2020 08:55

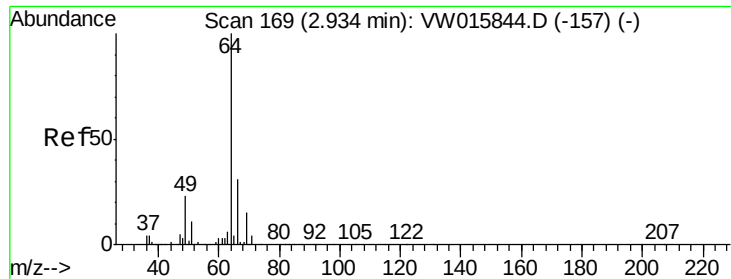
Tgt Ion: 94 Resp: 135936

Ion Ratio Lower Upper

94 100

96 93.2 9.4 179.0





#8

Chloroethane

Concen: 27.860 ug/L

RT: 2.93 min Scan# 169

Delta R.T. 0.00 min

Lab File: VW015852.D

Acq: 14 Jul 2020 08:55

Instrument :

MSVOA_W

ClientSampled :

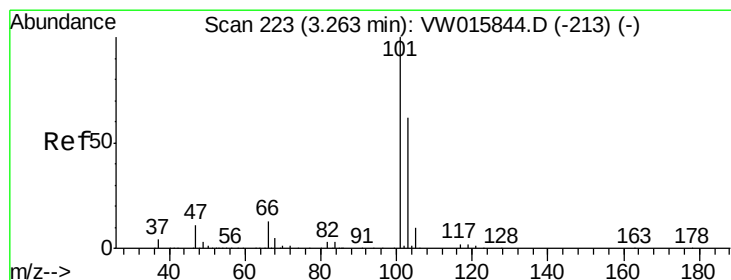
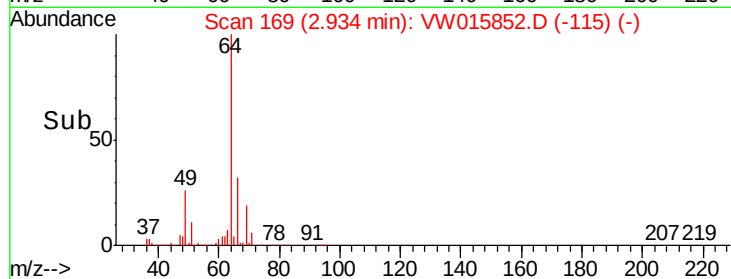
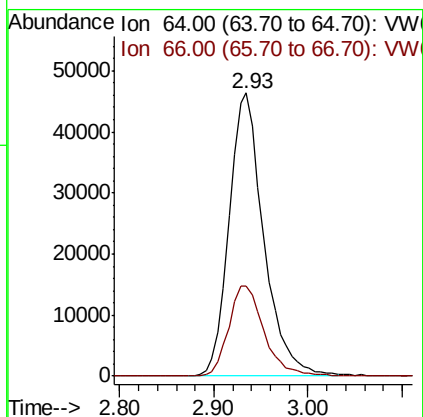
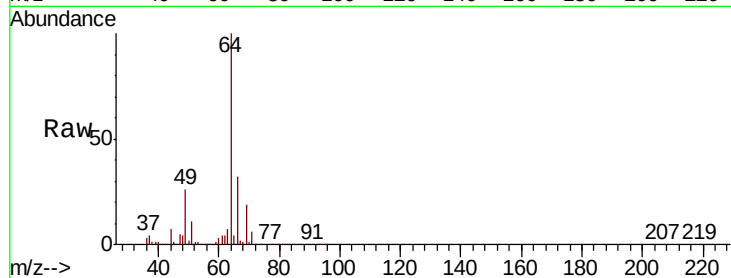
VSTD02526

Tot Ion: 64 Resp: 117993

Ion Ratio Lower Upper

64 100

66 32.0 22.2 41.2



#9

Trichlorofluoromethane

Concen: 27.073 ug/L

RT: 3.27 min Scan# 224

Delta R.T. 0.01 min

Lab File: VW015852.D

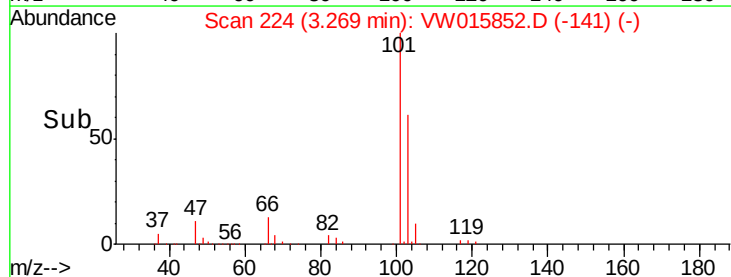
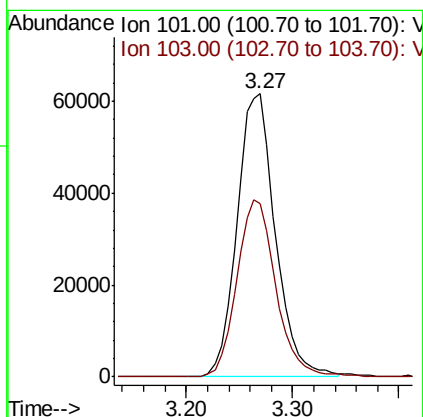
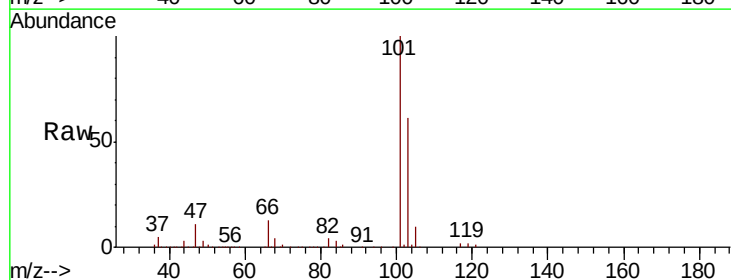
Acq: 14 Jul 2020 08:55

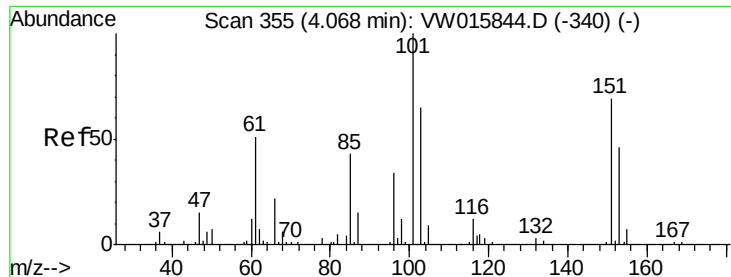
Tgt Ion: 101 Resp: 155569

Ion Ratio Lower Upper

101 100

103 63.1 46.1 85.5





#11

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

Concen: 21.261 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW015852.D

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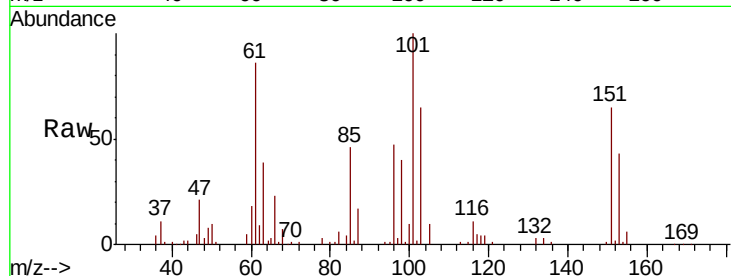
Tot Ion:101 Resp: 72999

Ion Ratio Lower Upper

101 100

85 46.3 38.8 58.2

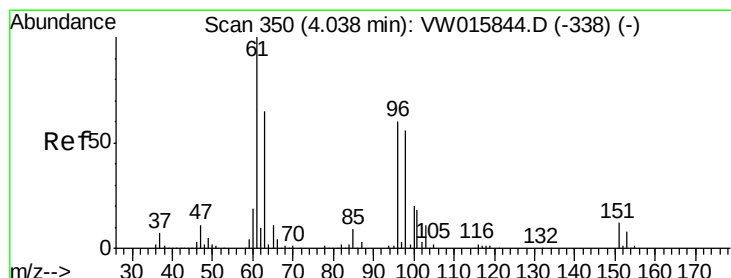
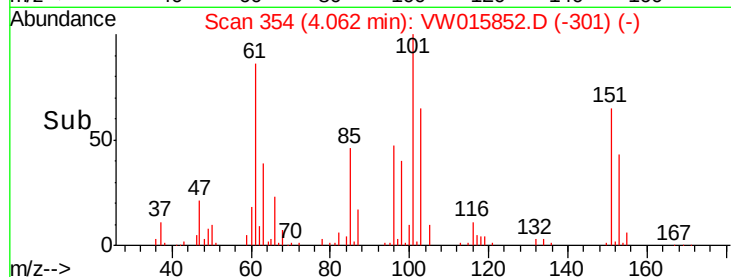
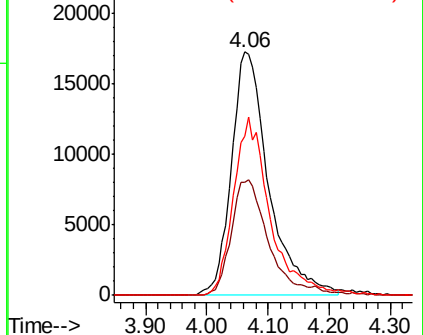
151 65.3 55.9 83.9



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: 21.126 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW015852.D

Acq: 14 Jul 2020 08:55

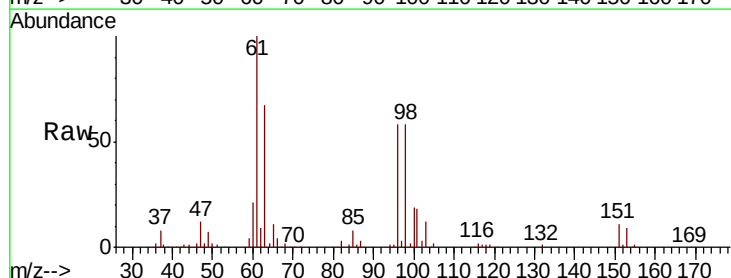
Tgt Ion: 96 Resp: 68462

Ion Ratio Lower Upper

96 100

61 173.7 131.7 244.5

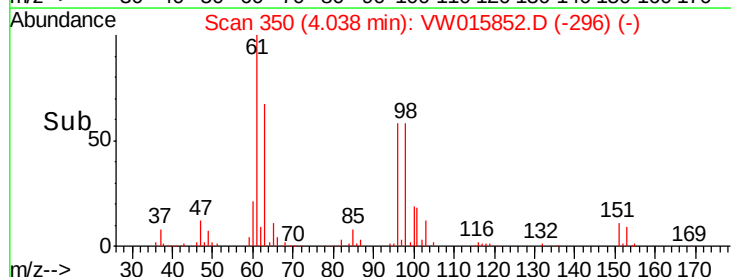
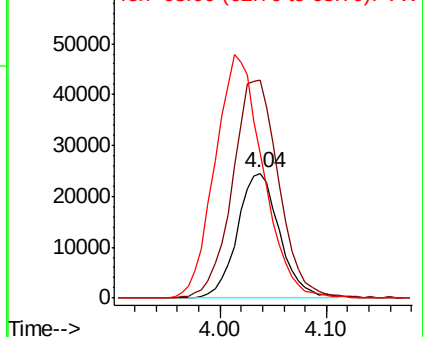
63 116.0 110.4 205.0

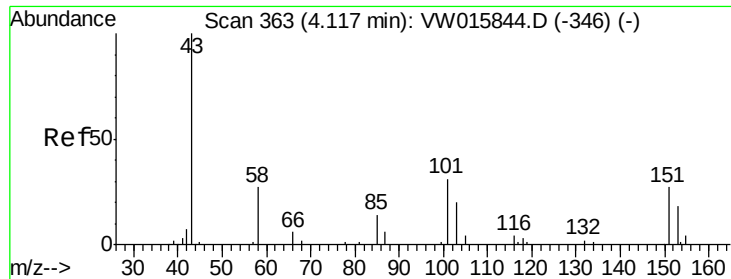


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 43.319 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

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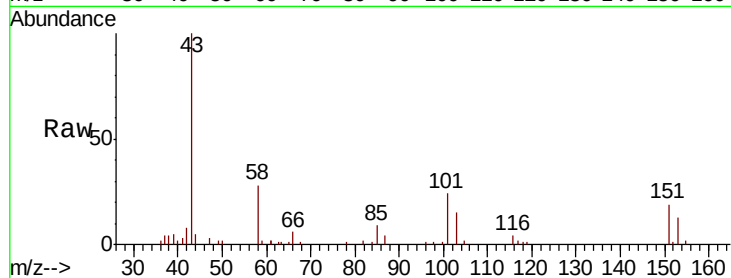
VSTD02526

Tot Ion: 43 Resp: 27193

Ion Ratio Lower Upper

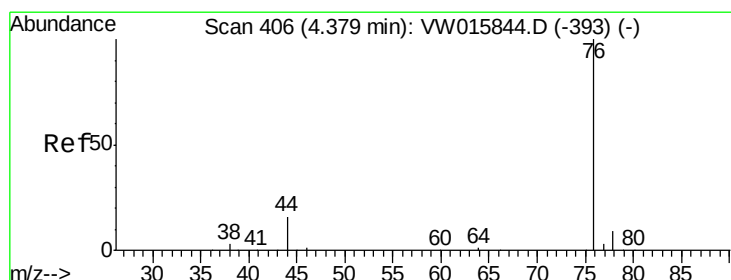
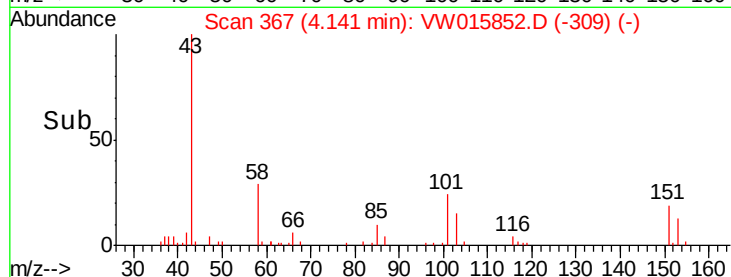
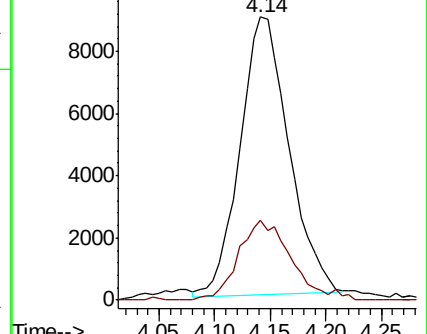
43 100

58 28.0 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 22.122 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW015852.D

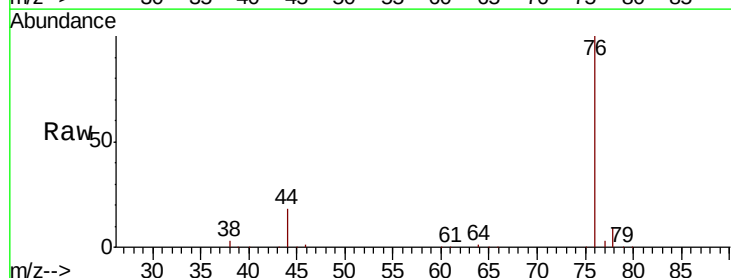
Acq: 14 Jul 2020 08:55

Tgt Ion: 76 Resp: 237275

Ion Ratio Lower Upper

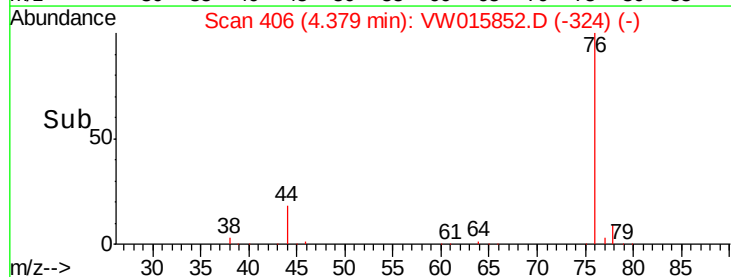
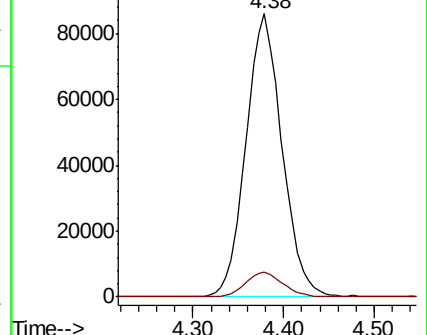
76 100

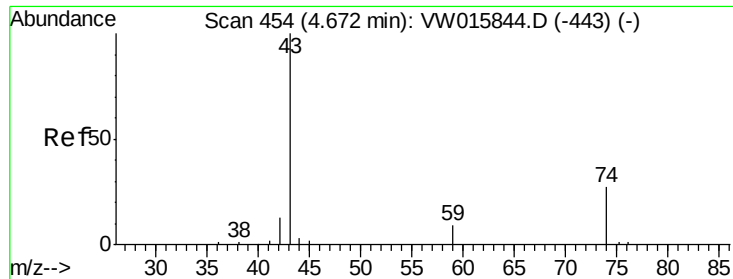
78 8.6 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

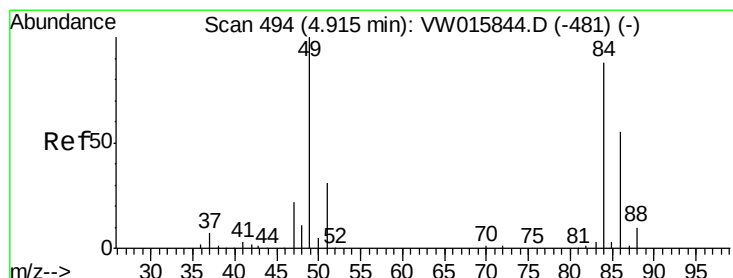
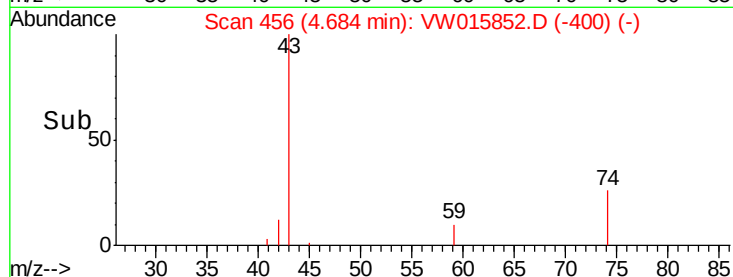
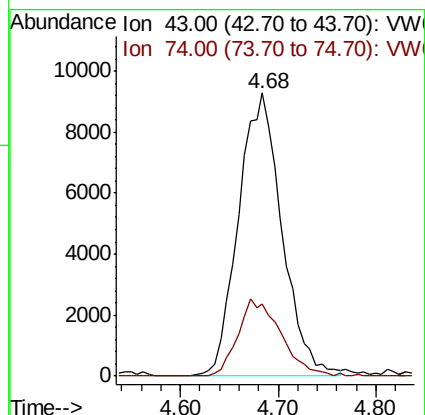
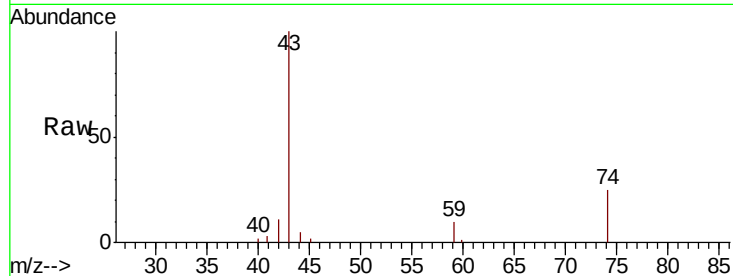




#15
Methvl Acetate
Concen: 22.301 ug/L
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW015852.D
Acq: 14 Jul 2020 08:55

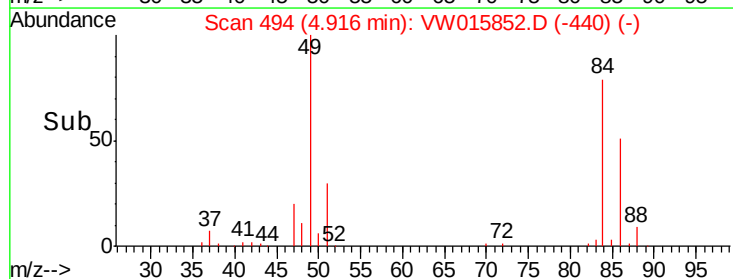
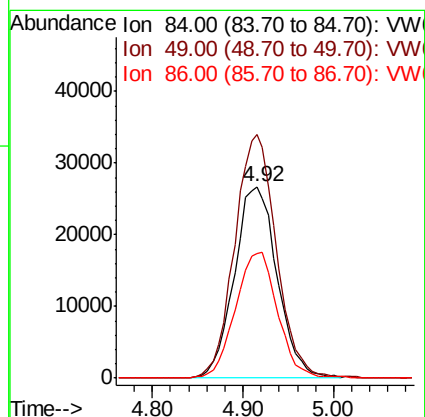
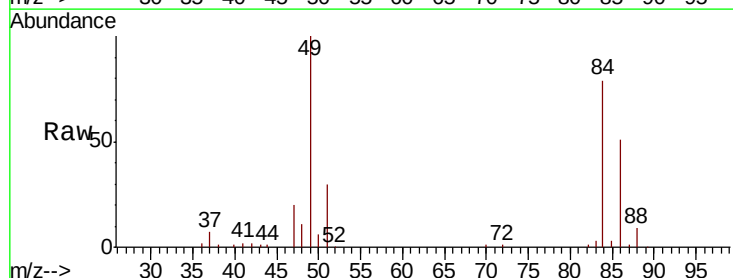
Instrument :
MSVOA_W
ClientSampleId :
VSTD02526

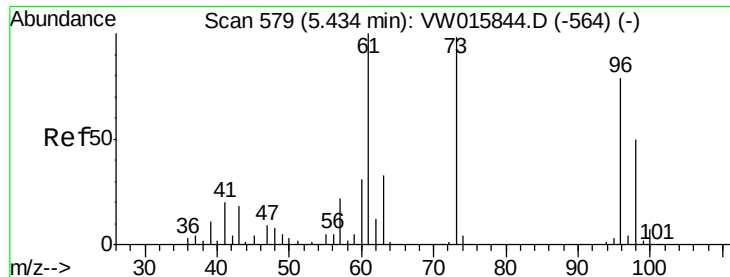
Tot Ion: 43 Resp: 28720
Ion Ratio Lower Upper
43 100
74 26.5 21.4 32.0



#16
Methylene chloride
Concen: 21.386 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW015852.D
Acq: 14 Jul 2020 08:55

Tgt Ion: 84 Resp: 87428
Ion Ratio Lower Upper
84 100
49 127.1 82.5 153.1
86 65.2 45.4 84.2

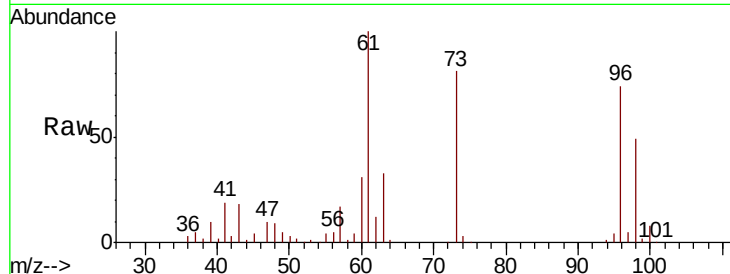




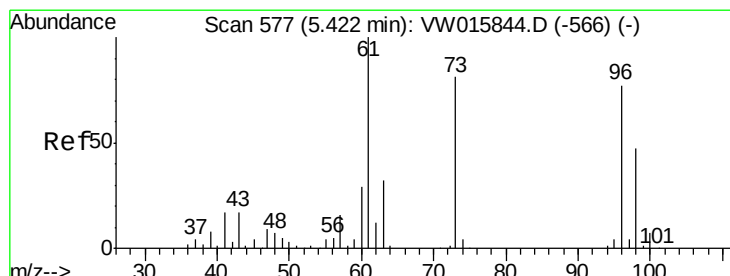
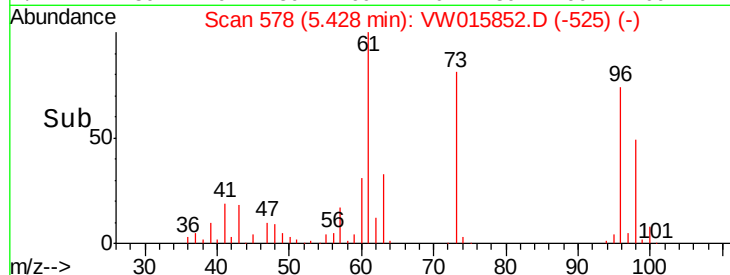
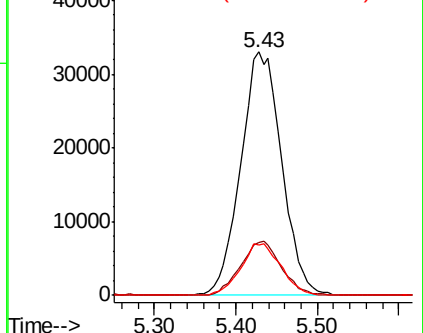
#17
Methyl tert-butyl Ether
Concen: 23.249 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW015852.D
Acq: 14 Jul 2020 08:55

Instrument :
MSVOA_W
ClientSampleId :
VSTD02526

Tot Ion: 73 Resp: 115234
Ion Ratio Lower Upper
73 100
43 22.1 17.8 26.8
57 20.9 16.8 25.2

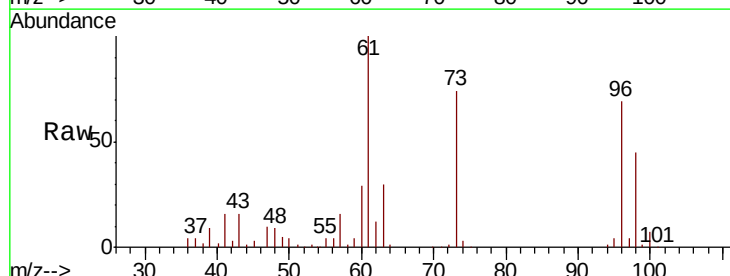


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

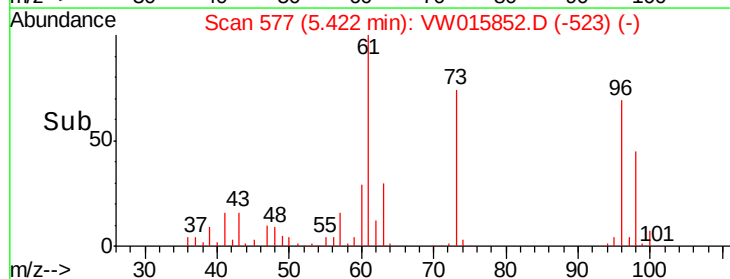
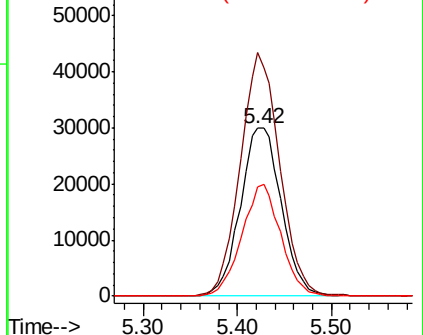


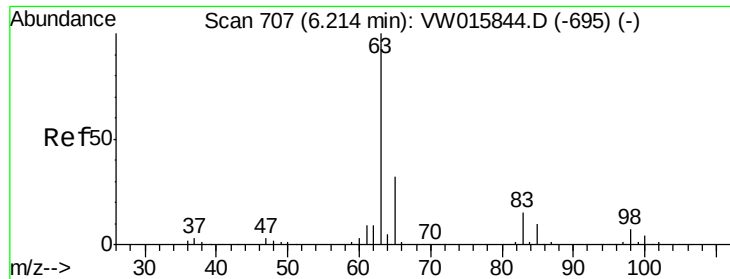
#18
trans-1,2-Dichloroethene
Concen: 22.926 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW015852.D
Acq: 14 Jul 2020 08:55

Tgt Ion: 96 Resp: 91252
Ion Ratio Lower Upper
96 100
61 145.2 92.5 171.7
98 65.2 41.1 76.3



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

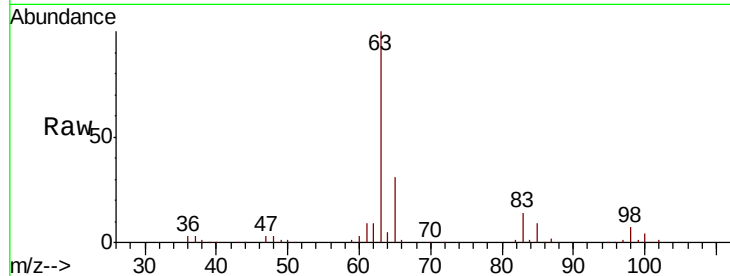




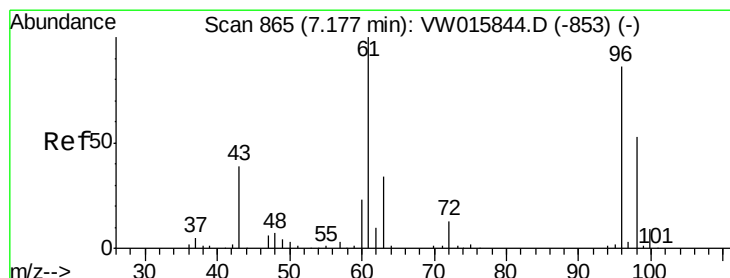
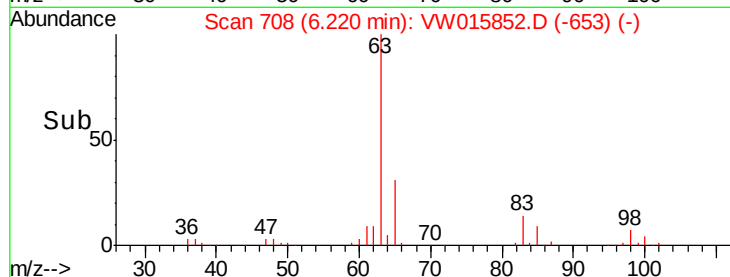
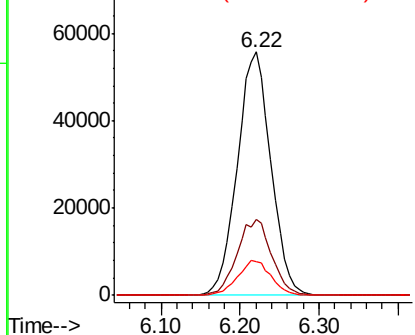
#19
 1,1-Dichloroethane
 Concen: 23.912 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. 0.01 min
 Lab File: VW015852.D
 Acq: 14 Jul 2020 08:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02526

Tot Ion: 63 Resp: 164856
 Ion Ratio Lower Upper
 63 100
 65 31.2 22.5 41.7
 83 13.8 9.9 18.5

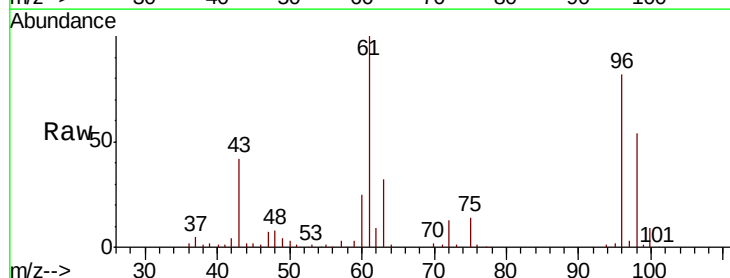


Abundance Ion 63.00 (62.70 to 63.70): VW
 Ion 65.00 (64.70 to 65.70): VW
 Ion 83.00 (82.70 to 83.70): VW

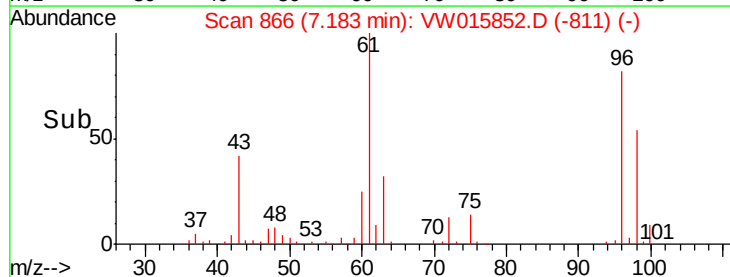
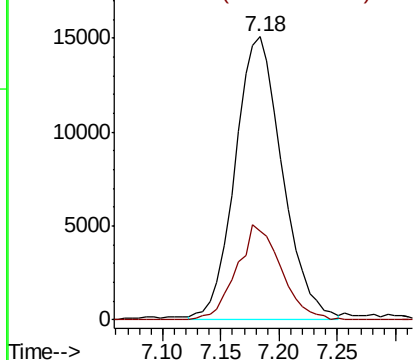


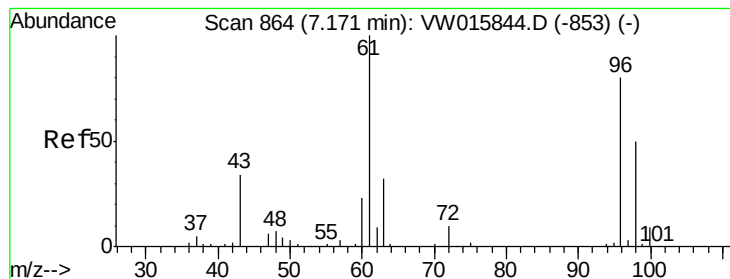
#21
 2-Butanone
 Concen: 49.969 ug/L
 RT: 7.18 min Scan# 866
 Delta R.T. 0.01 min
 Lab File: VW015852.D
 Acq: 14 Jul 2020 08:55

Tgt Ion: 43 Resp: 42623
 Ion Ratio Lower Upper
 43 100
 72 31.4 15.6 46.7



Abundance Ion 43.00 (42.70 to 43.70): VW
 Ion 72.00 (71.70 to 72.70): VW



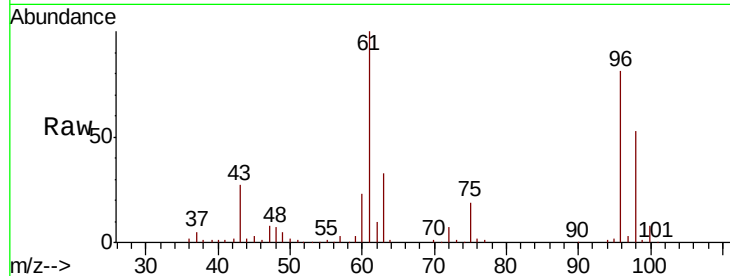


#22

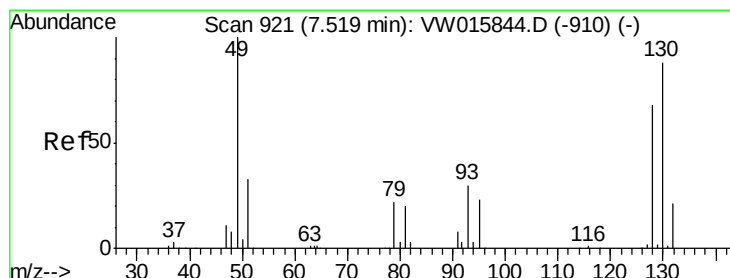
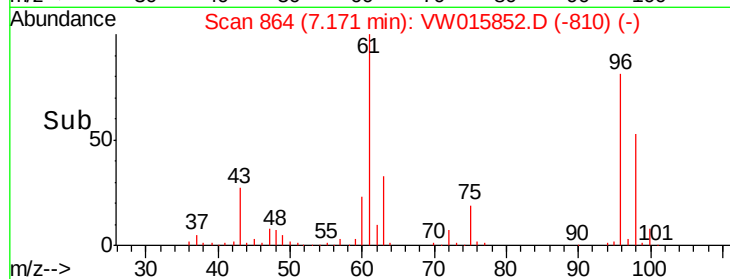
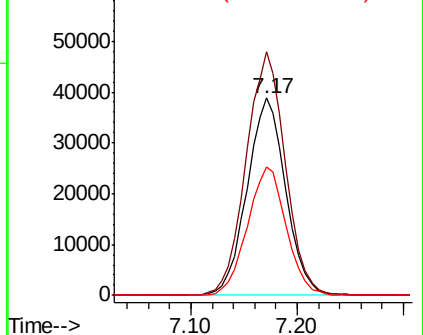
cis-1,2-Dichloroethene
 Concen: 23.675 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW015852.D
 Acq: 14 Jul 2020 08:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02526

Tot Ion: 96 Resp: 98740
 Ion Ratio Lower Upper
 96 100
 61 123.3 83.7 155.5
 98 64.9 43.0 80.0



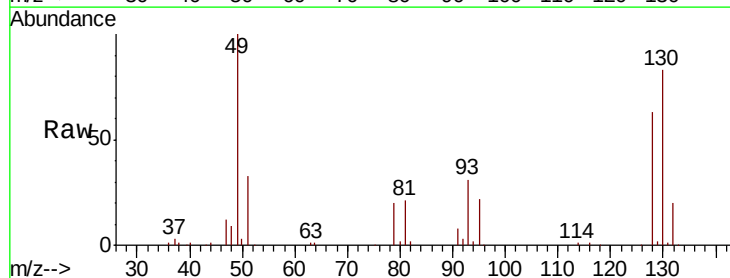
Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 98.00 (97.70 to 98.70): VW



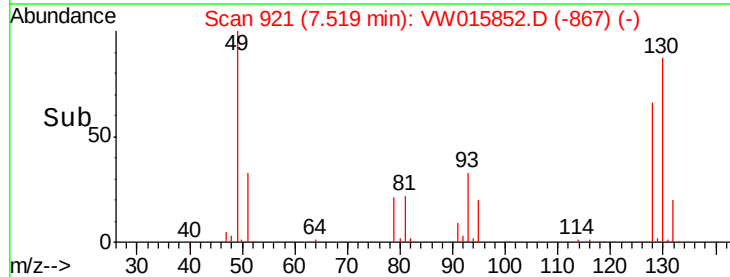
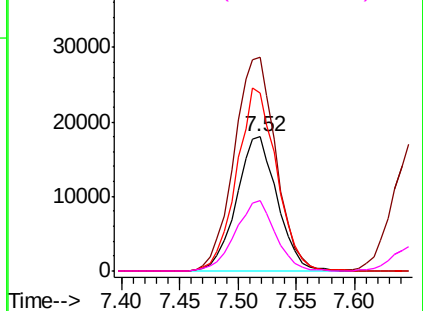
#23

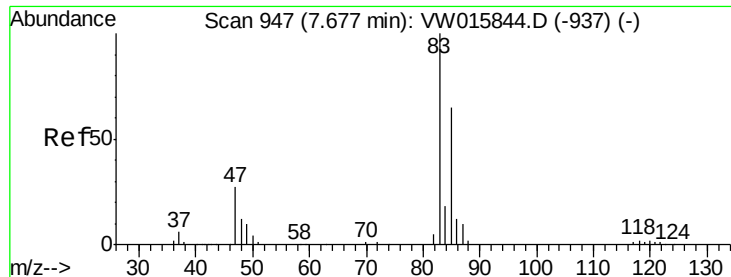
Bromochloromethane
 Concen: 23.590 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VW015852.D
 Acq: 14 Jul 2020 08:55

Tgt Ion: 128 Resp: 43972
 Ion Ratio Lower Upper
 128 100
 49 159.1 108.8 202.2
 130 132.1 89.8 166.8
 51 52.5 39.5 59.3



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VW
 Ion 130.00 (129.70 to 130.70): V
 Ion 51.00 (50.70 to 51.70): VW

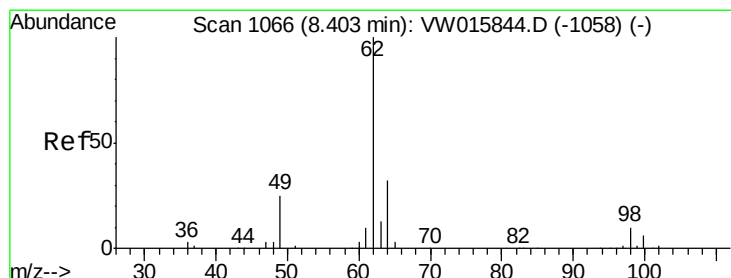
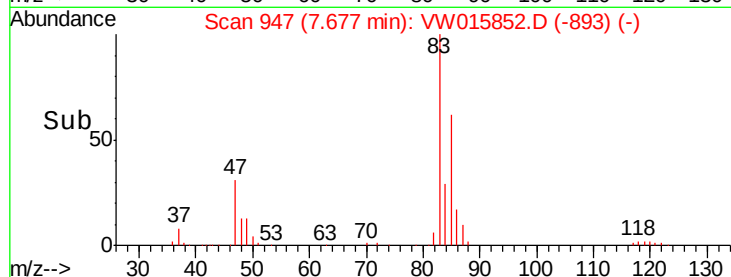
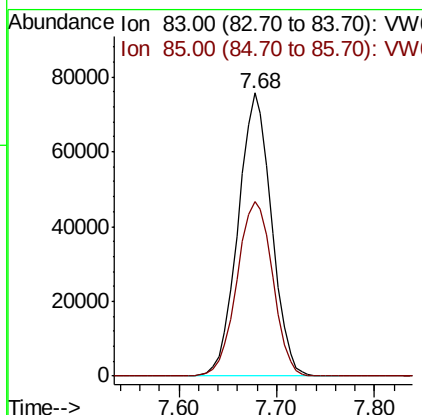
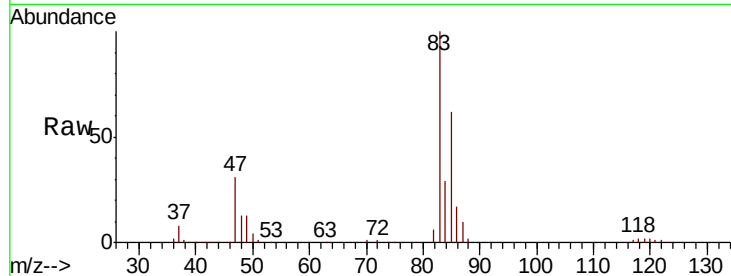




#25
Chloroform
Concen: 23.958 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW015852.D
Acq: 14 Jul 2020 08:55

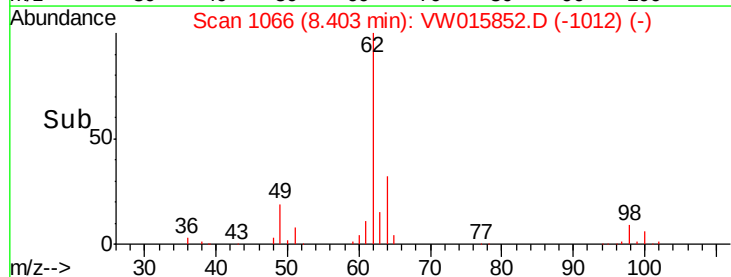
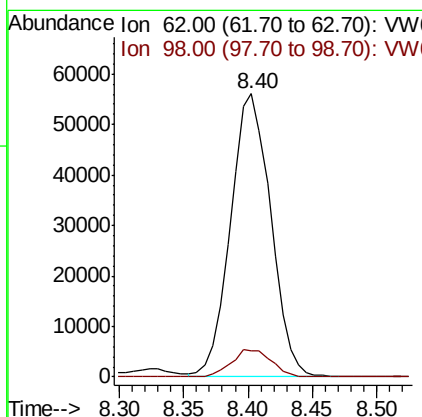
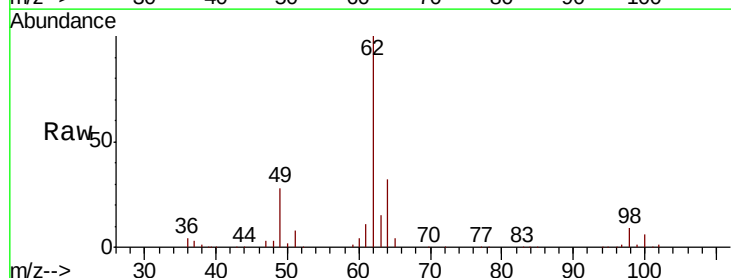
Instrument :
MSVOA_W
ClientSampleId :
VSTD02526

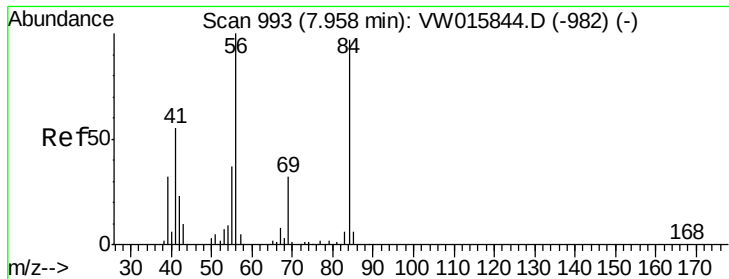
Tot Ion: 83 Resp: 179667
Ion Ratio Lower Upper
83 100
85 66.0 45.6 84.8



#27
1,2-Dichloroethane
Concen: 24.817 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW015852.D
Acq: 14 Jul 2020 08:55

Tgt Ion: 62 Resp: 121574
Ion Ratio Lower Upper
62 100
98 9.3 7.7 11.5

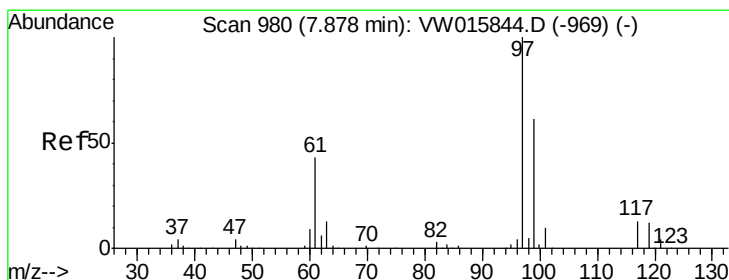
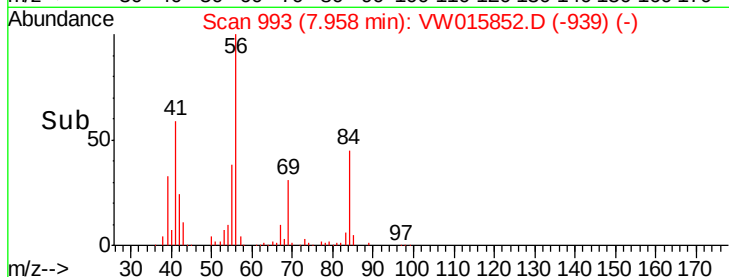
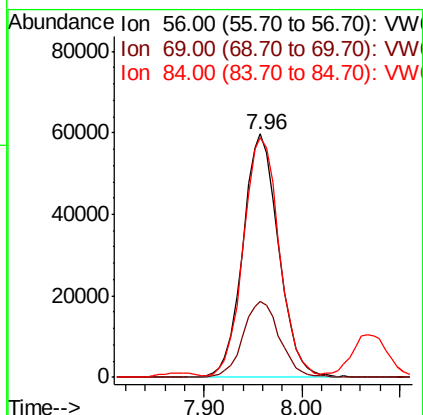
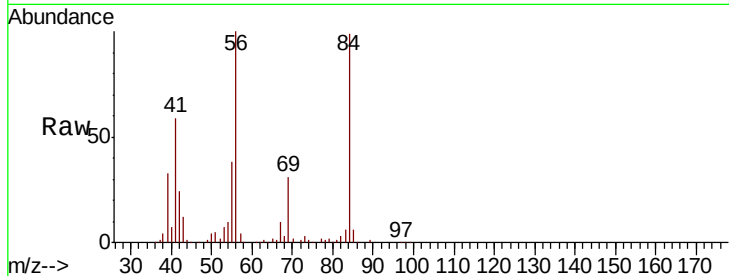




#30
Cyclohexane
Concen: 24.545 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW015852.D
Acq: 14 Jul 2020 08:55

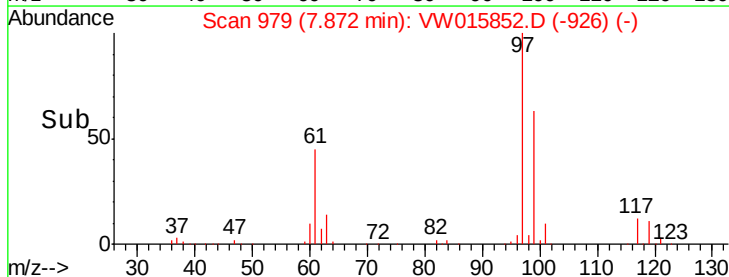
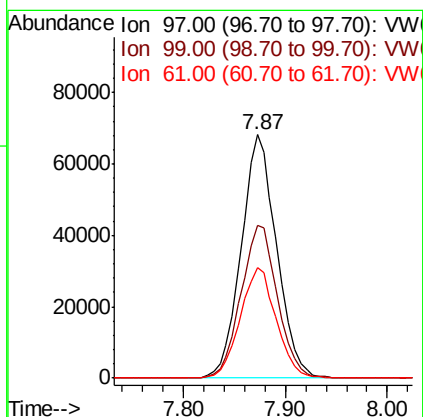
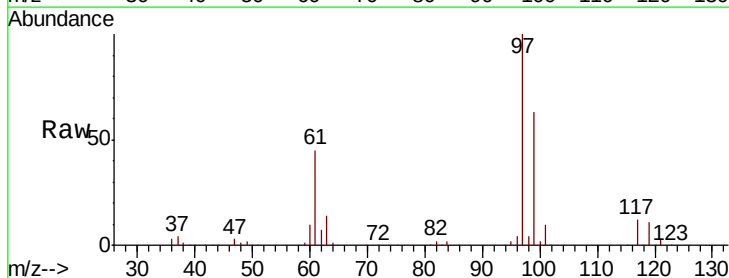
Instrument :
MSVOA_W
ClientSampleId :
VSTD02526

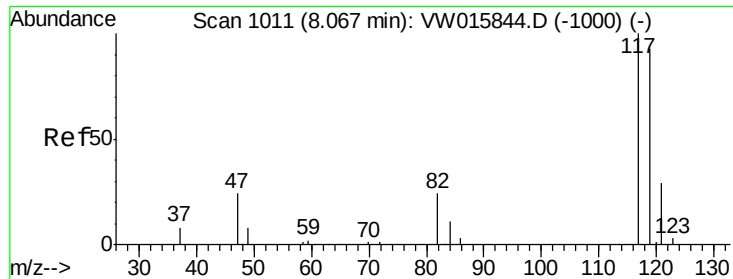
Tot Ion	56	Resp	151656
Ion Ratio	Lower	Upper	
56	100		
69	31.6	25.8	38.8
84	99.6	78.3	117.5



#31
1,1,1-Trichloroethane
Concen: 24.493 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.01 min
Lab File: VW015852.D
Acq: 14 Jul 2020 08:55

Tgt Ion	97	Resp	163887
Ion Ratio	Lower	Upper	
97	100		
99	64.6	50.9	76.3
61	46.4	36.2	54.2





#32

Carbon tetrachloride

Concen: 24.729 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VW015852.D

Acq: 14 Jul 2020 08:55

Instrument :

MSVOA_W

ClientSampleId :

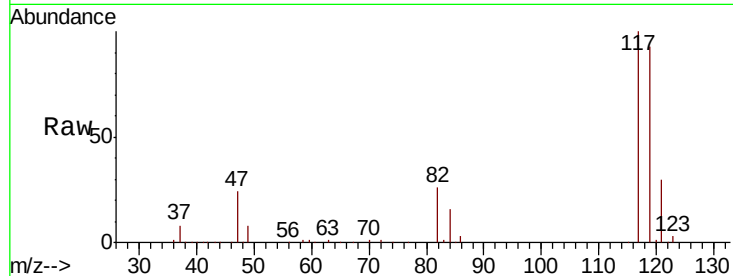
VSTD02526

Tot Ion:117 Resp: 154841

Ion Ratio Lower Upper

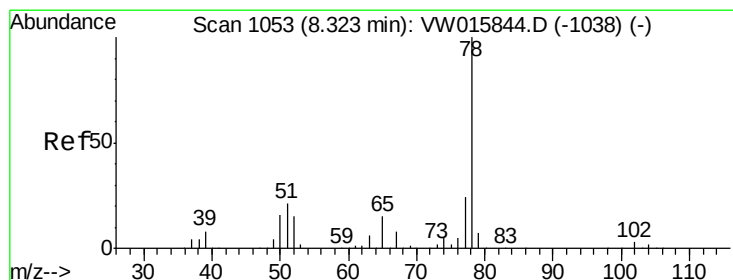
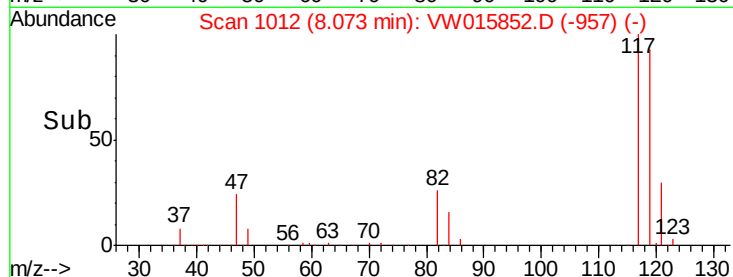
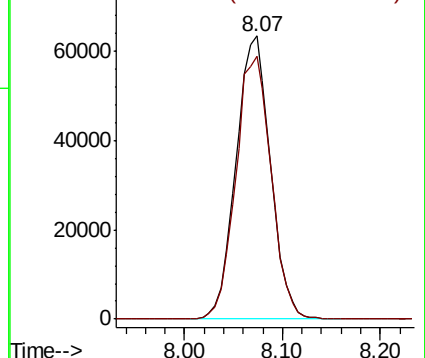
117 100

119 95.4 76.2 114.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 24.991 ug/L

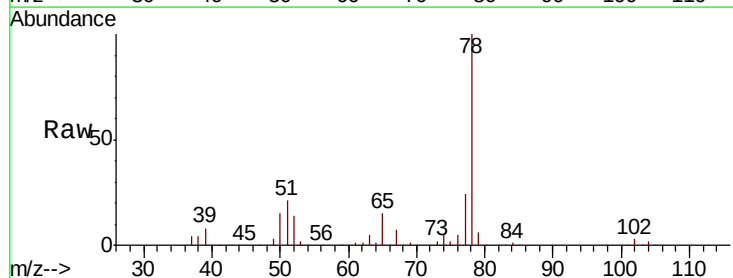
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

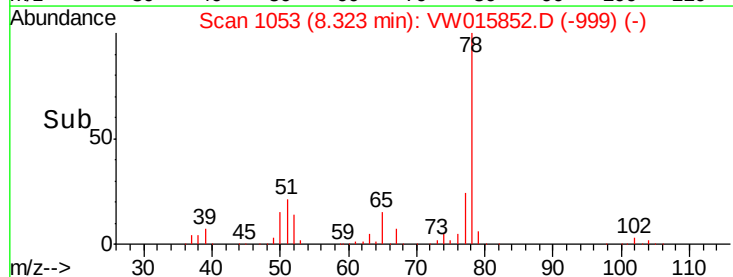
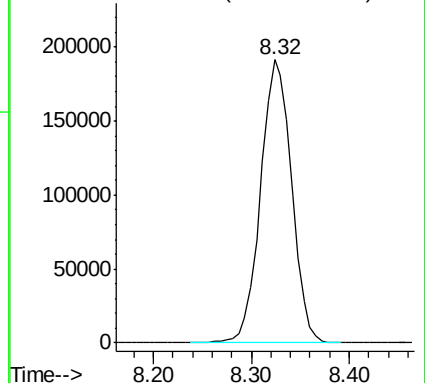
Lab File: VW015852.D

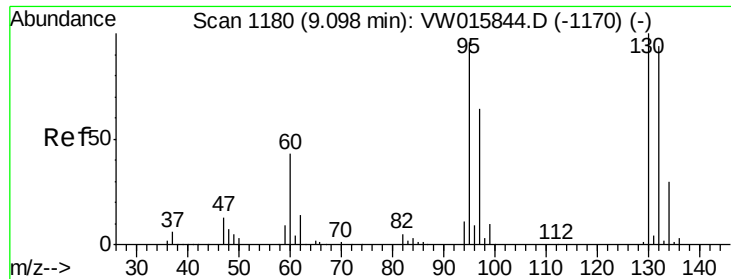
Acq: 14 Jul 2020 08:55

Tgt Ion: 78 Resp: 420999



Abundance Ion 78.00 (77.70 to 78.70): VW

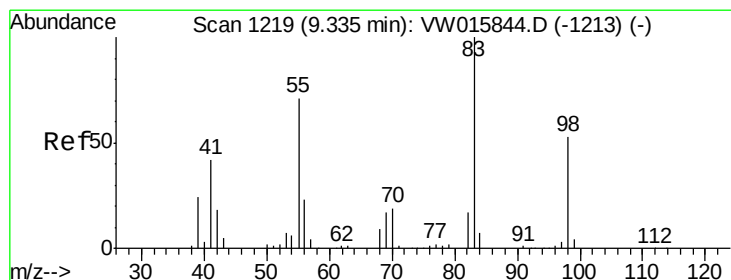
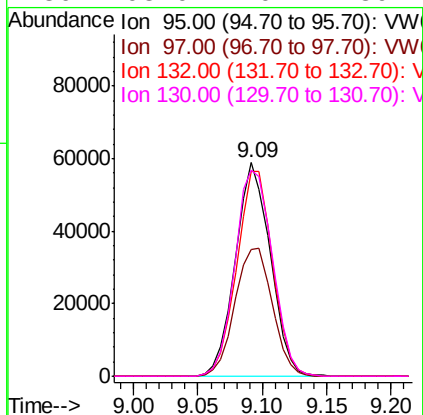
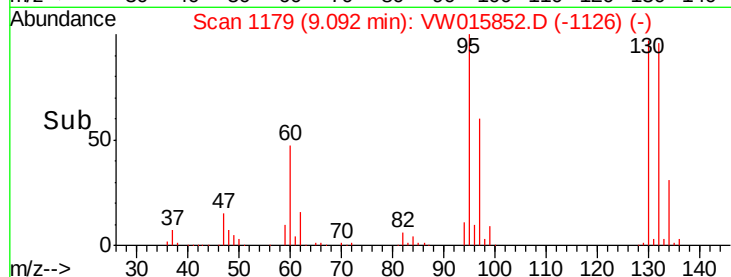
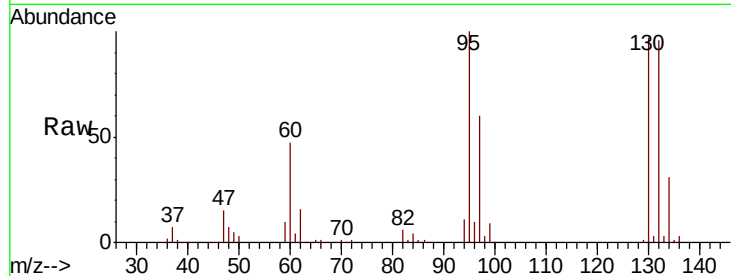




#35
 Trichloroethene
 Concen: 24.327 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: VW015852.D
 Acq: 14 Jul 2020 08:55

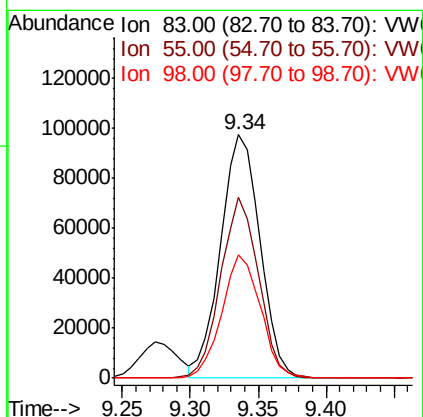
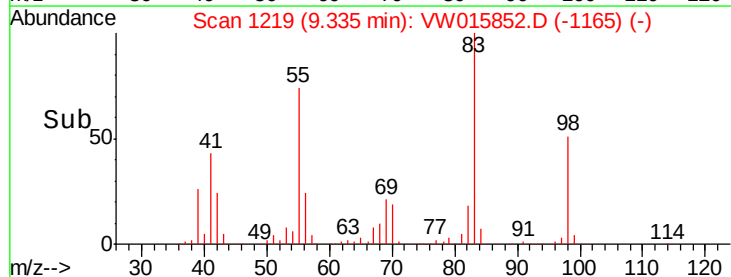
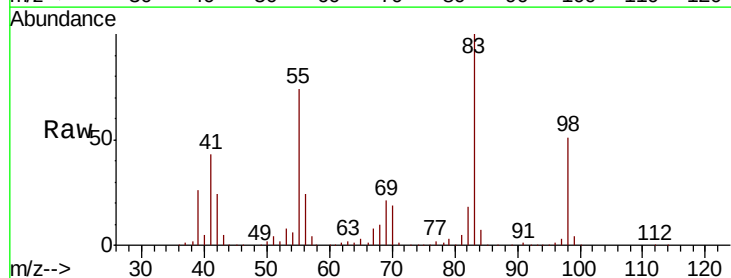
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02526

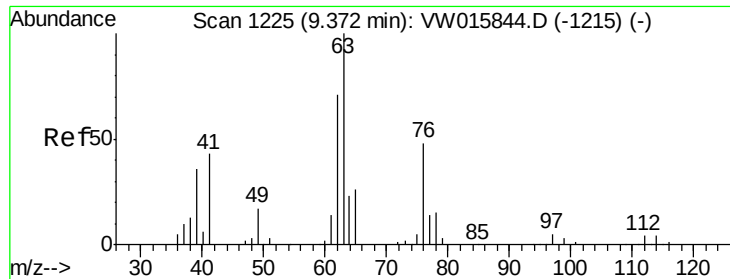
Tot Ion: 95 Resp: 111262
 Ion Ratio Lower Upper
 95 100
 97 64.1 44.6 82.8
 132 97.9 67.0 124.4
 130 103.0 70.1 130.1



#36
 Methylcyclohexane
 Concen: 25.164 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW015852.D
 Acq: 14 Jul 2020 08:55

Tgt Ion: 83 Resp: 197021
 Ion Ratio Lower Upper
 83 100
 55 71.4 55.5 83.3
 98 49.4 40.2 60.4





#40

1,2-Dichloropropane

Concen: 24.647 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW015852.D

Acq: 14 Jul 2020 08:55

Instrument :

MSVOA_W

ClientSampleId :

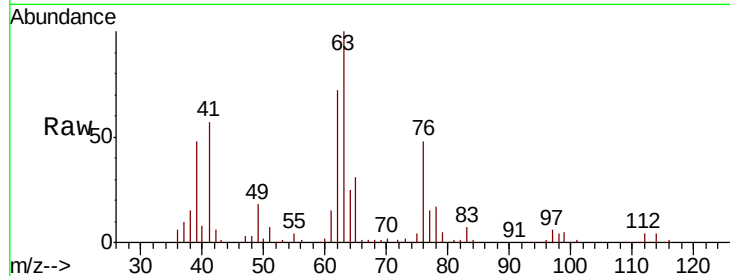
VSTD02526

Tot Ion: 63 Resp: 98742

Ion Ratio Lower Upper

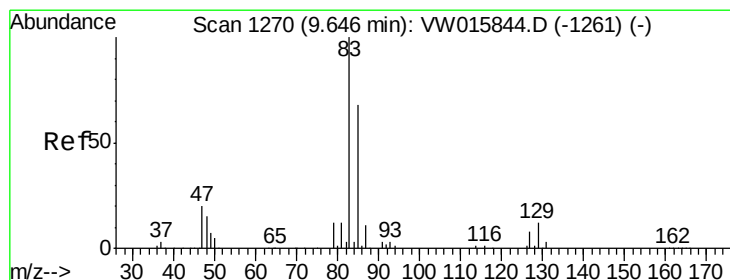
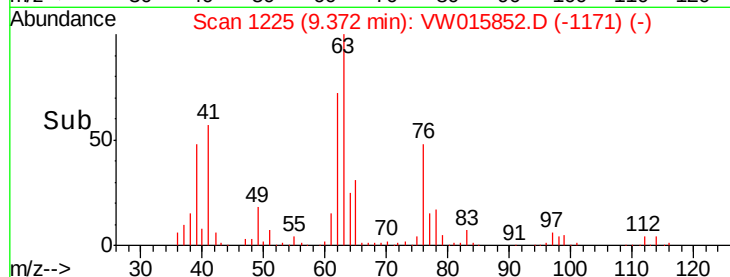
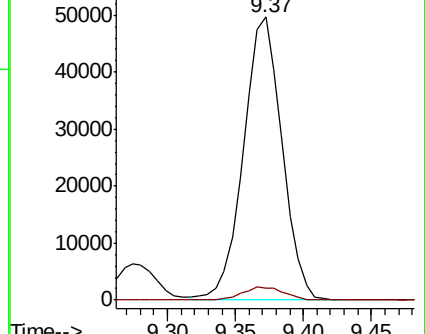
63 100

112 5.0 3.9 5.9



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 24.970 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW015852.D

Acq: 14 Jul 2020 08:55

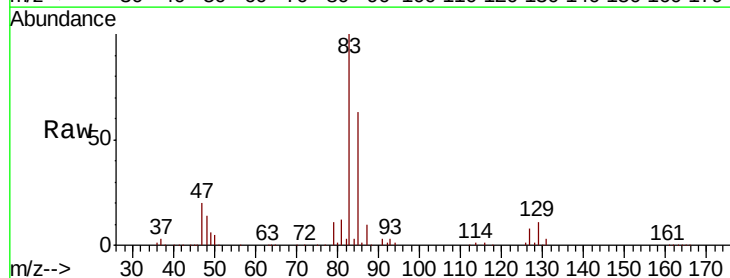
Tgt Ion: 83 Resp: 136384

Ion Ratio Lower Upper

83 100

85 62.5 44.6 82.8

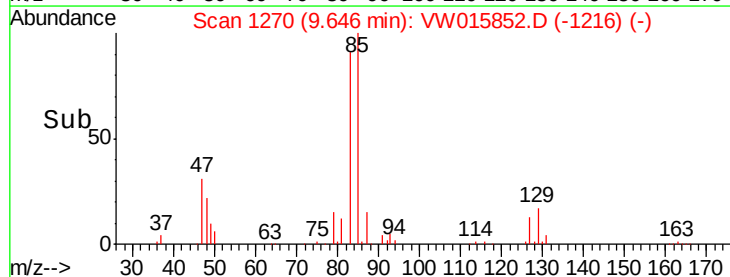
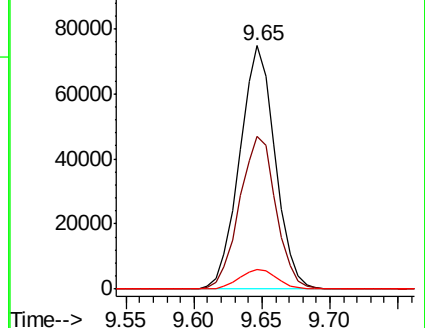
127 8.1 6.8 10.2

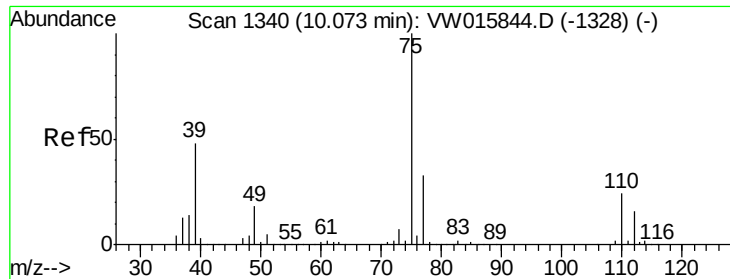


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 26.401 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW015852.D

Acq: 14 Jul 2020 08:55

Instrument :

MSVOA_W

ClientSampleId :

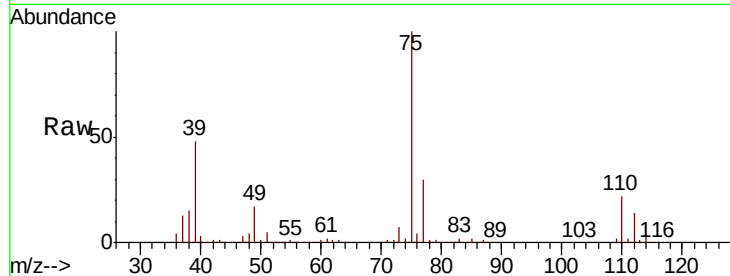
VSTD02526

Tot Ion: 75 Resp: 158817

Ion Ratio Lower Upper

75 100

77 30.4 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.07

80000

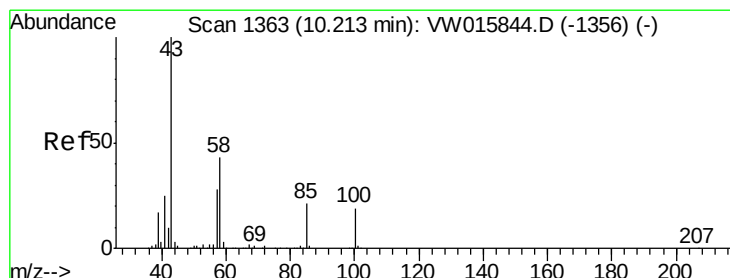
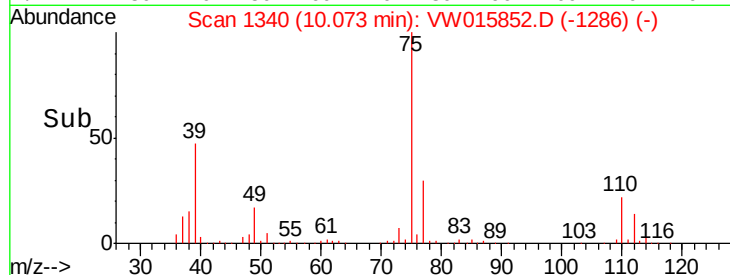
60000

40000

20000

0

Time-->



#43

4-Methyl-2-pentanone

Concen: 51.214 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW015852.D

Acq: 14 Jul 2020 08:55

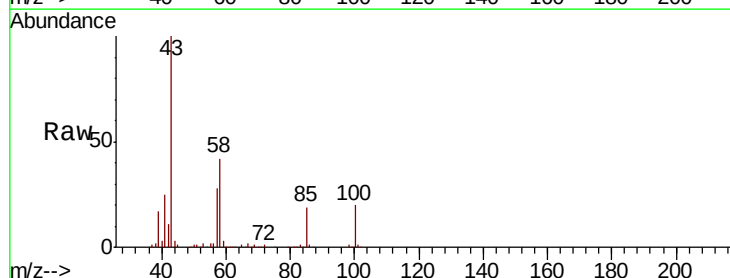
Tgt Ion: 43 Resp: 96470

Ion Ratio Lower Upper

43 100

58 41.4 33.0 49.4

100 18.5 15.0 22.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW

80000

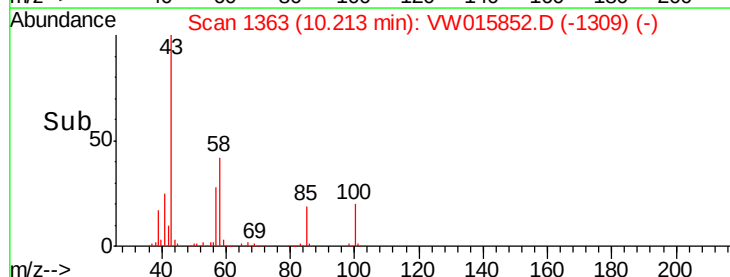
60000

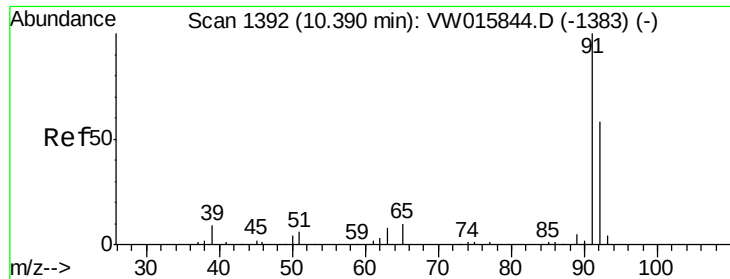
40000

20000

0

Time-->





#44

Toluene

Concen: 25.746 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW015852.D

Acq: 14 Jul 2020 08:55

Instrument :

MSVOA_W

ClientSampleId :

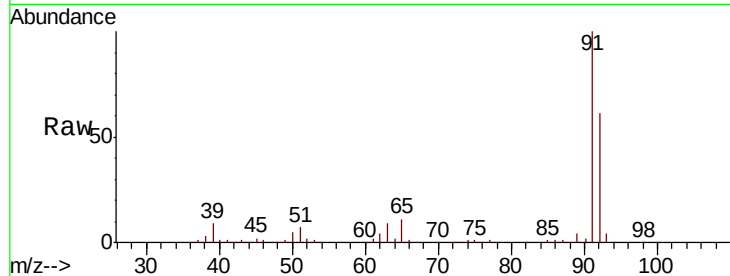
VSTD02526

Tot Ion: 91 Resp: 488179

Ion Ratio Lower Upper

91 100

92 60.6 41.6 77.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.39

300000

250000

200000

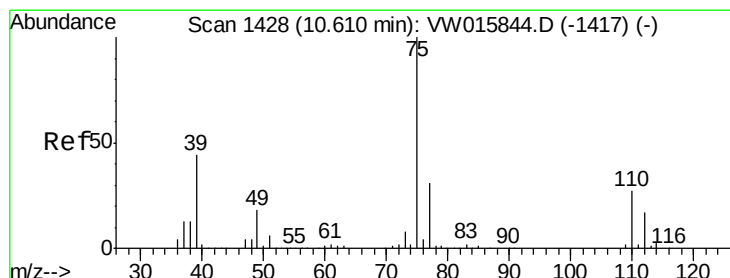
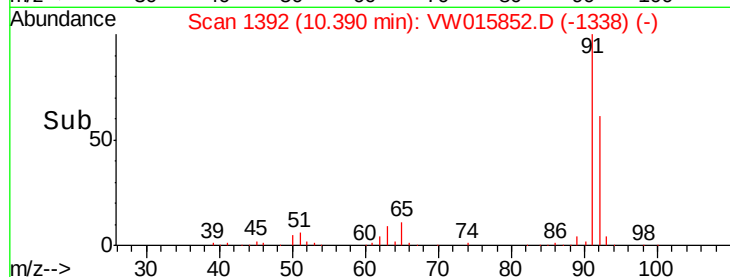
150000

100000

50000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 25.715 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW015852.D

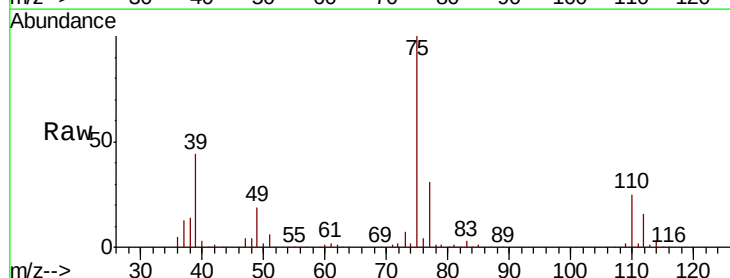
Acq: 14 Jul 2020 08:55

Tgt Ion: 75 Resp: 137603

Ion Ratio Lower Upper

75 100

77 31.1 22.0 41.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.61

80000

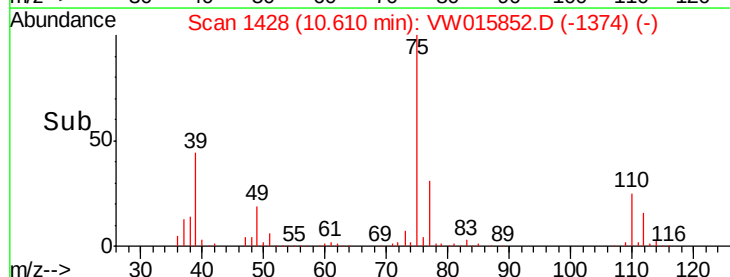
60000

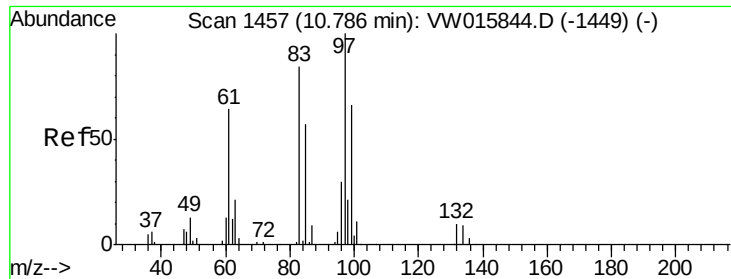
40000

20000

0

Time-->

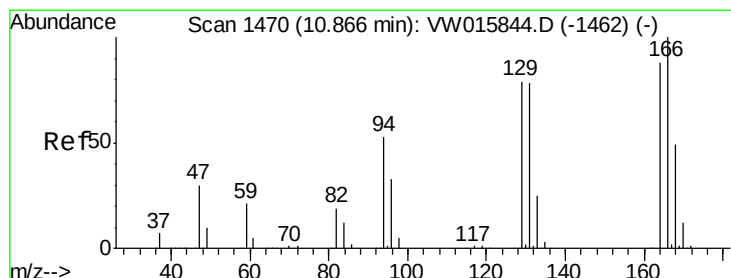
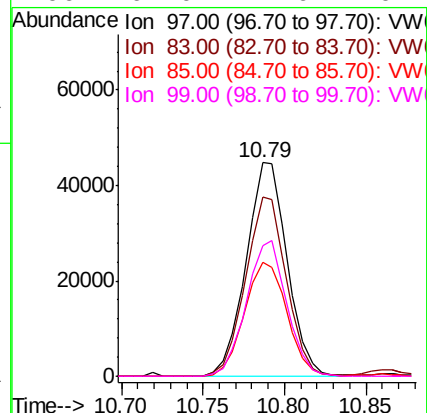
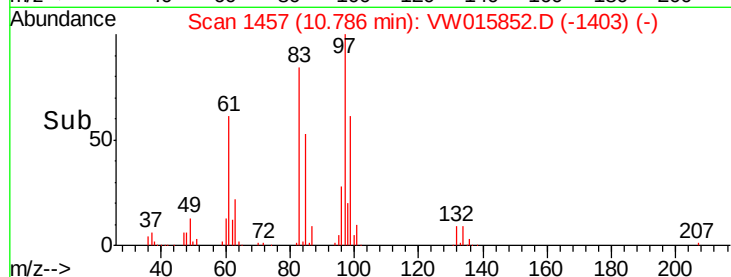
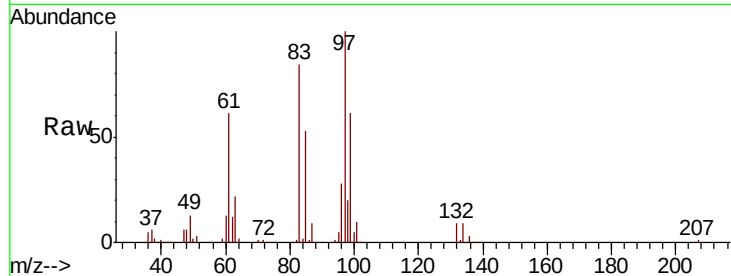




#46
 1,1,2-Trichloroethane
 Concen: 25.248 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW015852.D
 Acq: 14 Jul 2020 08:55

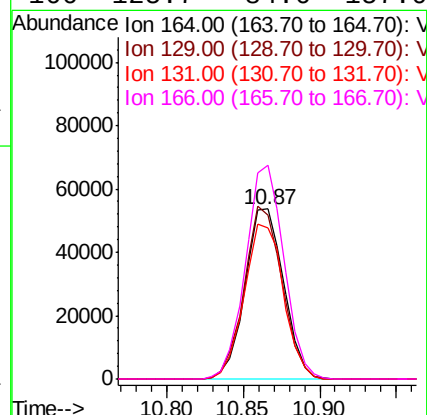
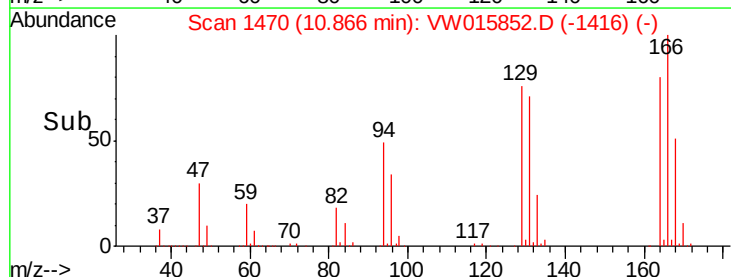
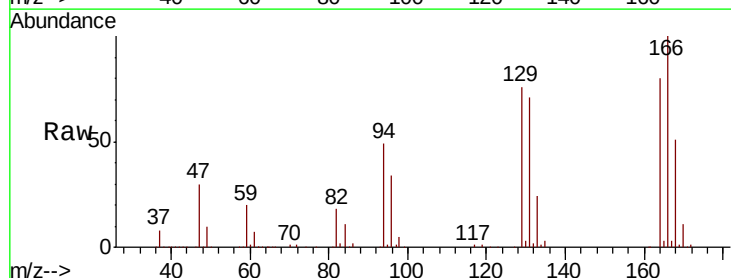
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02526

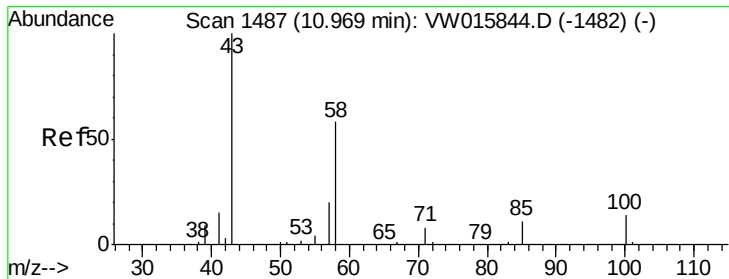
Tot Ion:	97	Resp:	78315
Ion	Ratio	Lower	Upper
97	100		
83	84.0	60.3	112.1
85	53.4	38.6	71.6
99	61.0	42.6	79.2



#47
 Tetrachloroethene
 Concen: 25.369 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VW015852.D
 Acq: 14 Jul 2020 08:55

Tgt Ion:	164	Resp:	94435
Ion	Ratio	Lower	Upper
164	100		
129	96.1	65.1	120.9
131	89.1	62.0	115.2
166	125.7	84.6	157.0

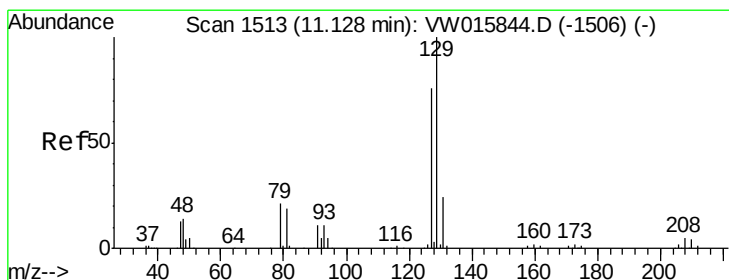
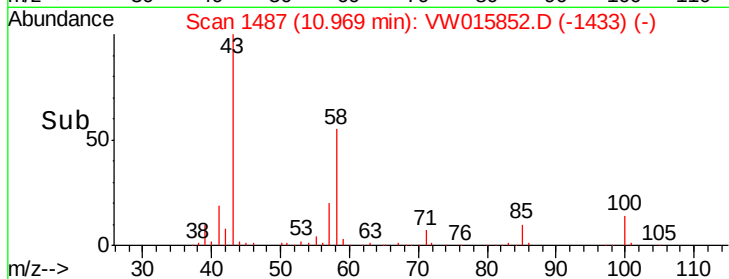
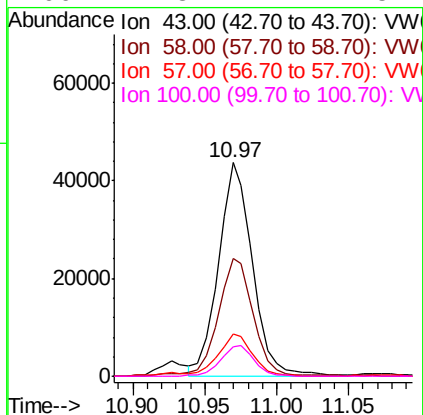
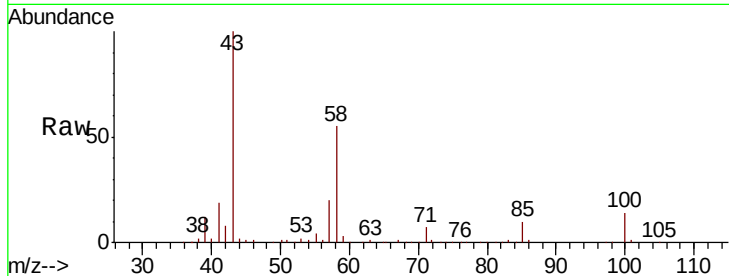




#49
2-Hexanone
Concen: 54.120 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW015852.D
Acq: 14 Jul 2020 08:55

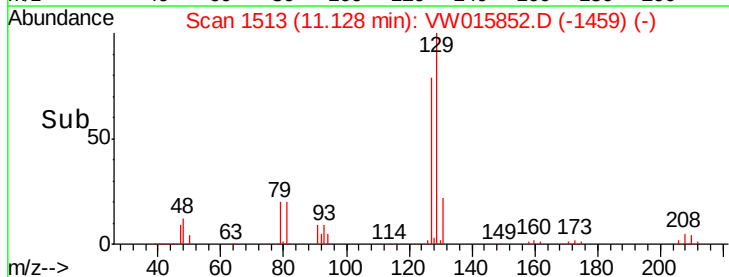
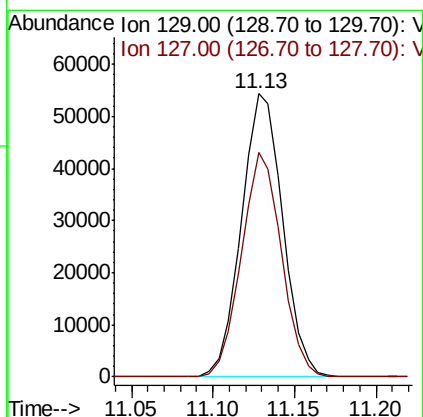
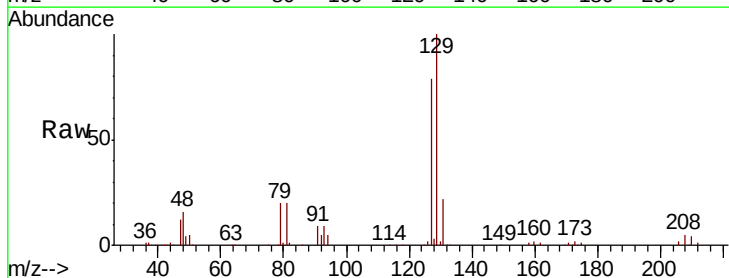
Instrument :
MSVOA_W
ClientSampleId :
VSTD02526

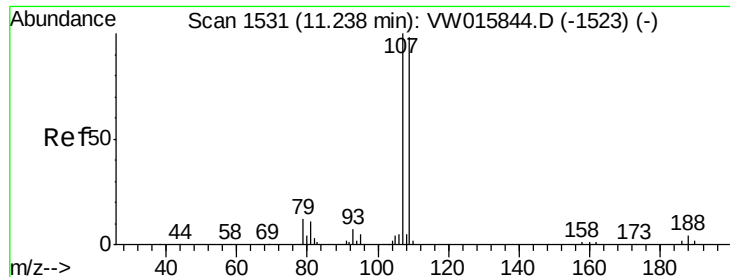
Tot Ion:	43	Resp:	72255
Ion	Ratio	Lower	Upper
43	100		
58	56.3	45.8	68.8
57	20.0	16.9	25.3
100	14.3	12.2	18.4



#50
Dibromochloromethane
Concen: 25.705 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW015852.D
Acq: 14 Jul 2020 08:55

Tgt Ion:	129	Resp:	95616
Ion	Ratio	Lower	Upper
129	100		
127	79.3	52.6	97.6

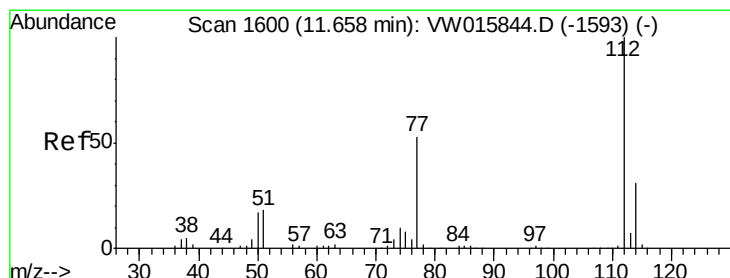
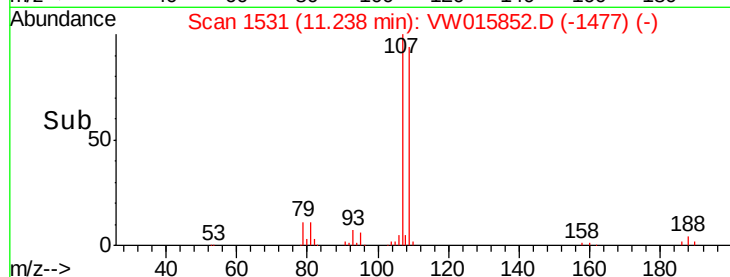
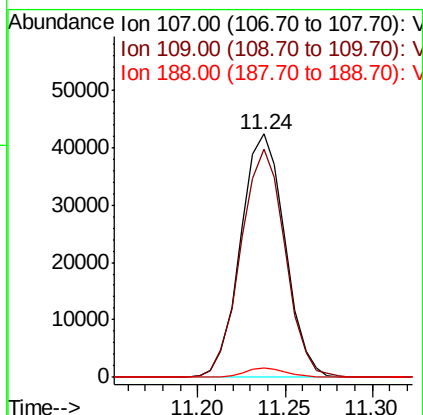
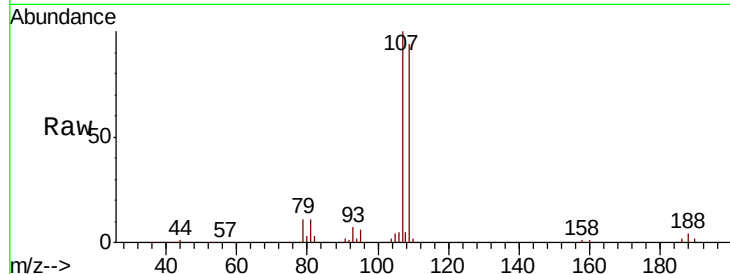




#51
1,2-Dibromoethane
Concen: 25.474 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW015852.D
Acq: 14 Jul 2020 08:55

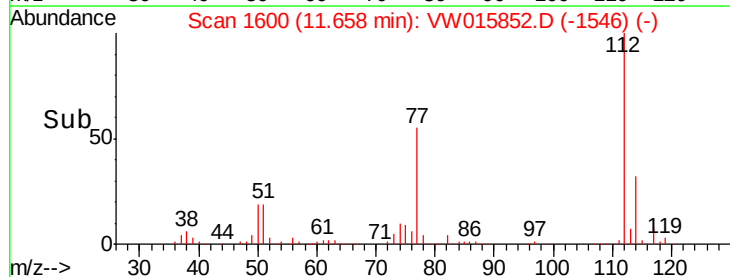
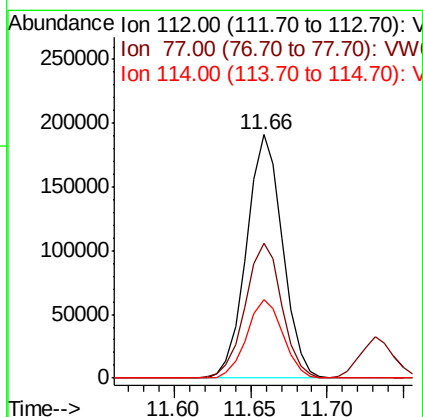
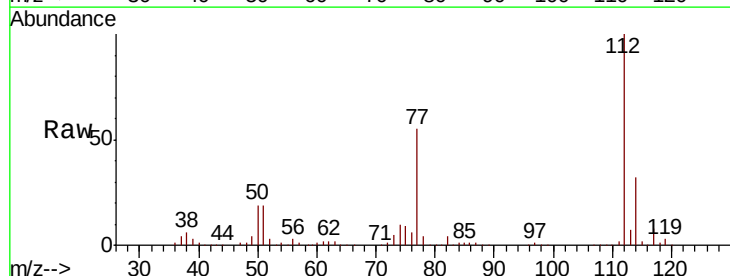
Instrument :
MSVOA_W
ClientSampleId :
VSTD02526

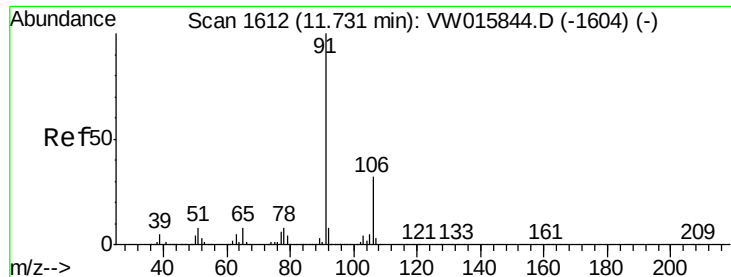
Tot Ion:107 Resp: 75180
Ion Ratio Lower Upper
107 100
109 93.9 69.3 128.7
188 4.0 3.3 4.9



#52
Chlorobenzene
Concen: 25.129 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW015852.D
Acq: 14 Jul 2020 08:55

Tgt Ion:112 Resp: 312995
Ion Ratio Lower Upper
112 100
77 55.5 43.9 65.9
114 32.1 20.9 38.9

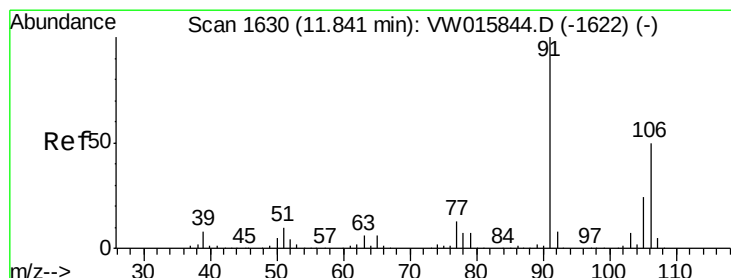
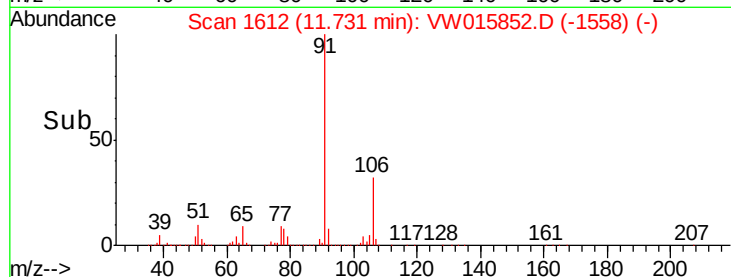
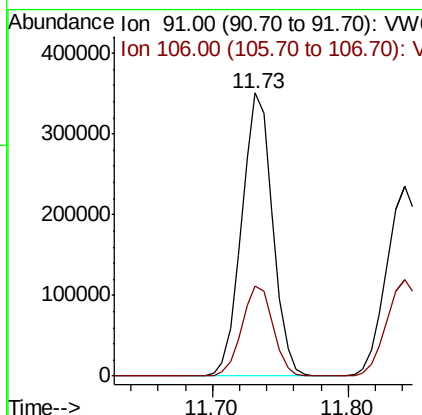
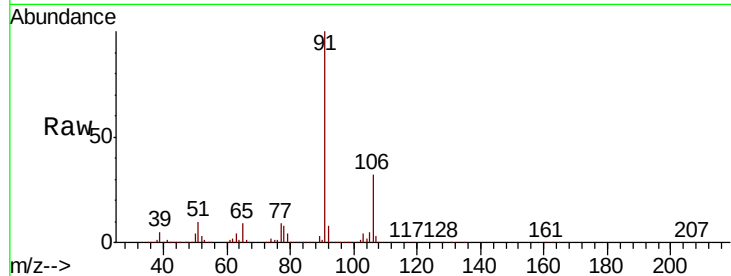




#53
Ethylbenzene
Concen: 25.910 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015852.D
Acq: 14 Jul 2020 08:55

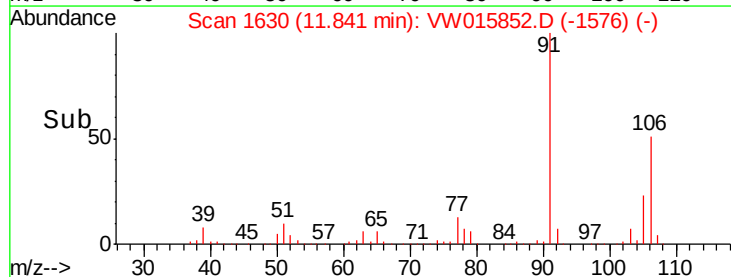
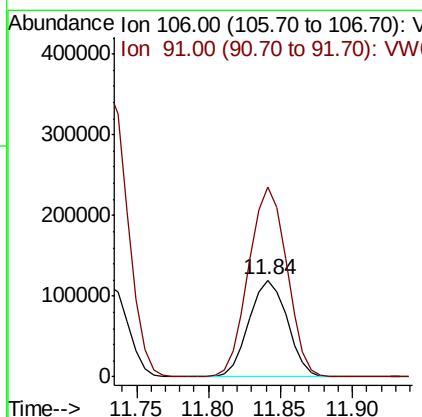
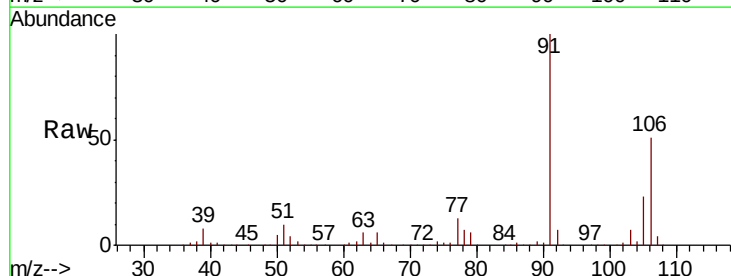
Instrument :
MSVOA_W
ClientSampleId :
VSTD02526

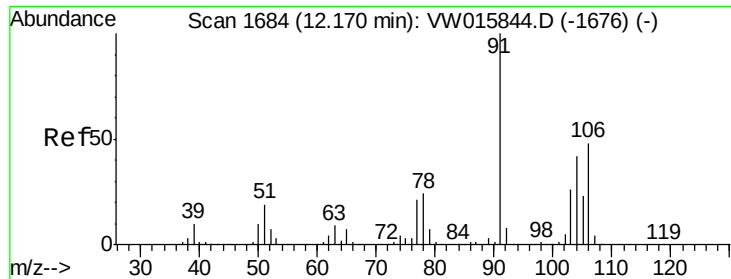
Tot Ion: 91 Resp: 556405
Ion Ratio Lower Upper
91 100
106 32.0 22.7 42.3



#54
m,p-Xylene
Concen: 26.869 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW015852.D
Acq: 14 Jul 2020 08:55

Tgt Ion: 106 Resp: 221407
Ion Ratio Lower Upper
106 100
91 196.1 143.9 267.3

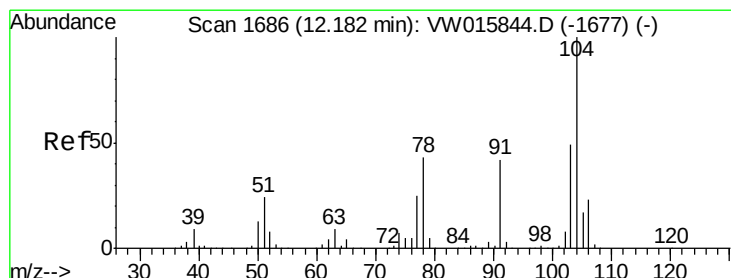
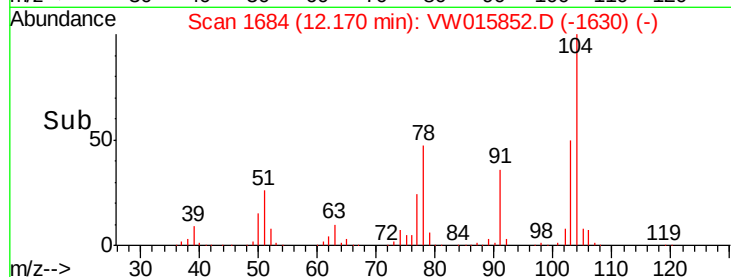
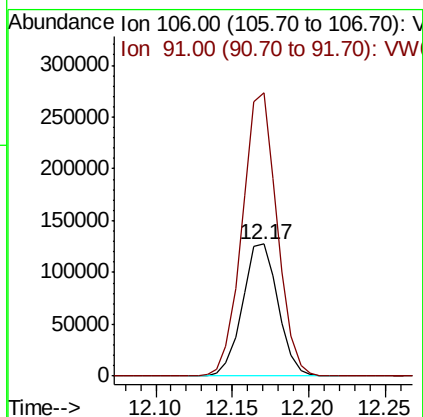
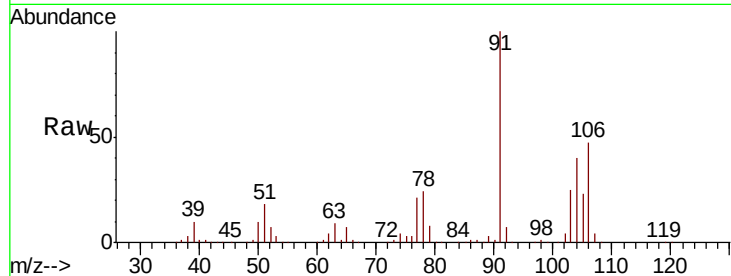




#55
o-xylene
Concen: 26.328 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW015852.D
Acq: 14 Jul 2020 08:55

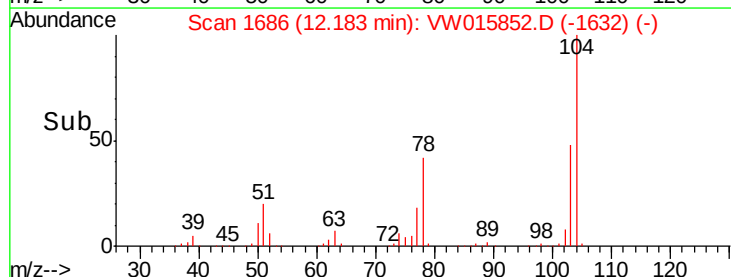
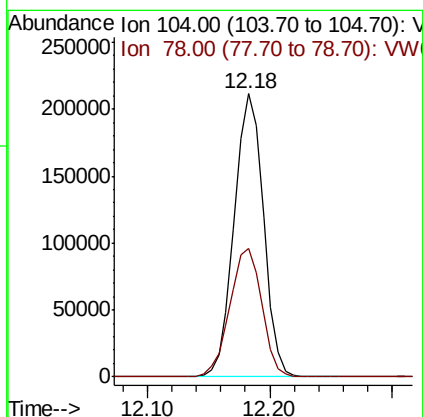
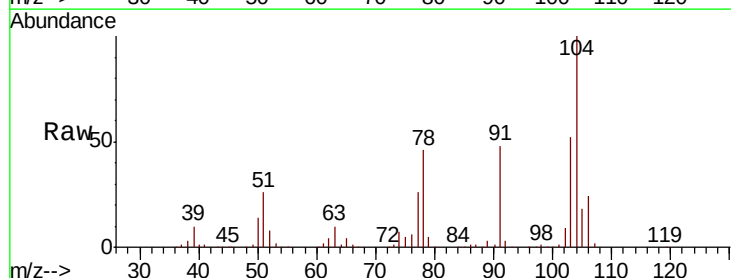
Instrument :
MSVOA_W
ClientSampleId :
VSTD02526

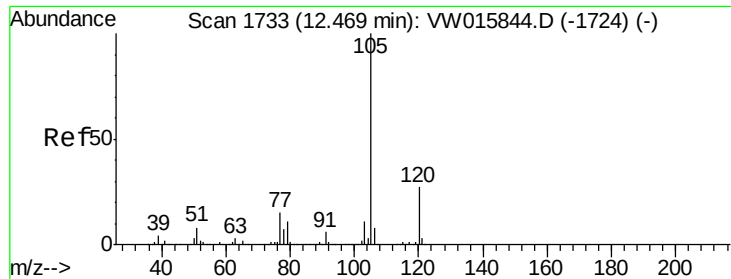
Tot Ion:106 Resp: 206205
Ion Ratio Lower Upper
106 100
91 214.3 141.1 262.0



#56
Styrene
Concen: 26.531 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015852.D
Acq: 14 Jul 2020 08:55

Tgt Ion:104 Resp: 350103
Ion Ratio Lower Upper
104 100
78 45.6 31.0 57.6





#57

Isopropylbenzene

Concen: 26.456 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW015852.D

Acq: 14 Jul 2020 08:55

Instrument :

MSVOA_W

ClientSampleId :

VSTD02526

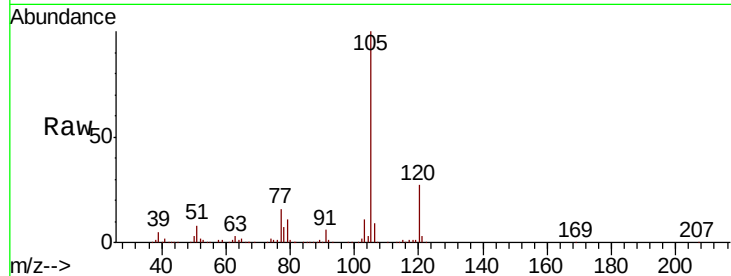
Tot Ion:105 Resp: 568340

Ion Ratio Lower Upper

105 100

120 27.3 21.4 32.0

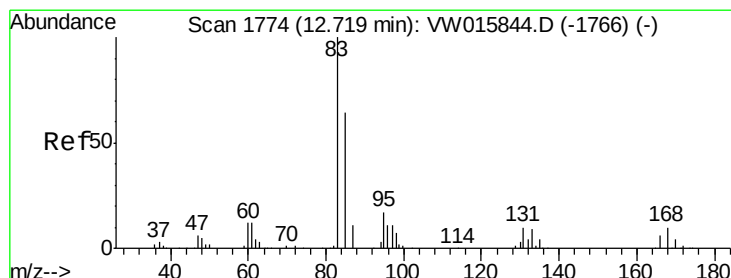
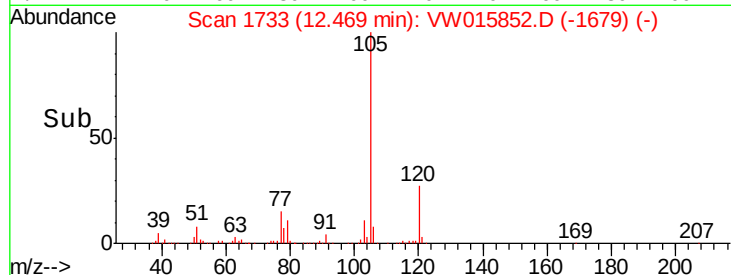
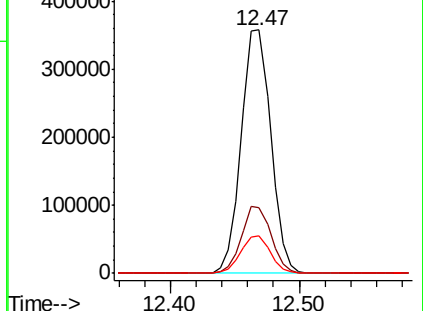
77 15.4 12.2 18.2



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: 26.166 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW015852.D

Acq: 14 Jul 2020 08:55

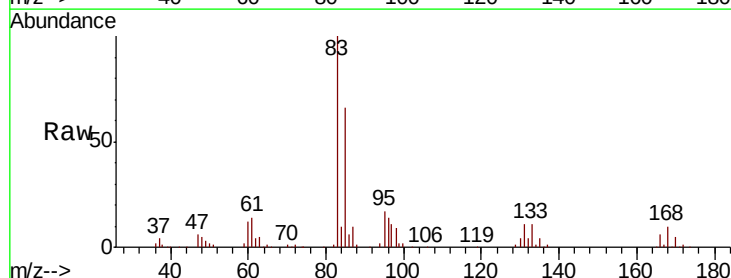
Tgt Ion: 83 Resp: 92506

Ion Ratio Lower Upper

83 100

85 65.5 46.2 85.8

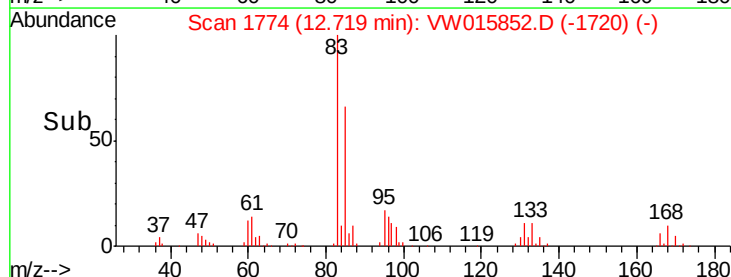
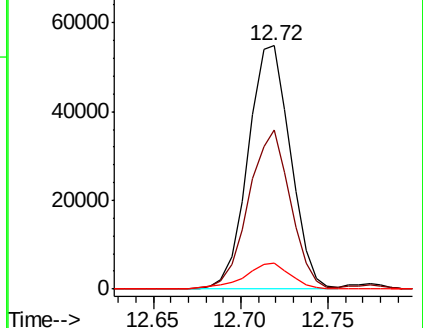
131 10.8 8.1 12.1

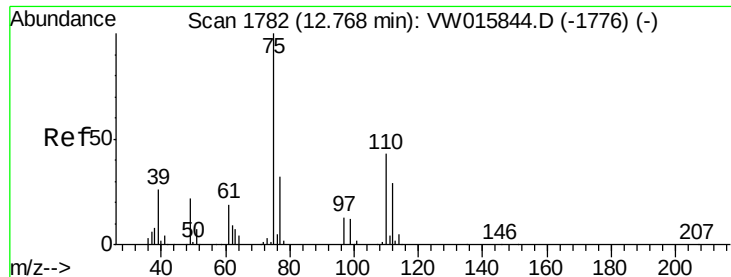


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 25.529 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.01 min

Lab File: VW015852.D

Acq: 14 Jul 2020 08:55

Instrument :

MSVOA_W

ClientSampleId :

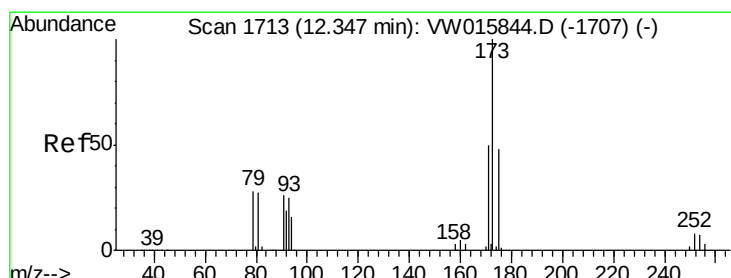
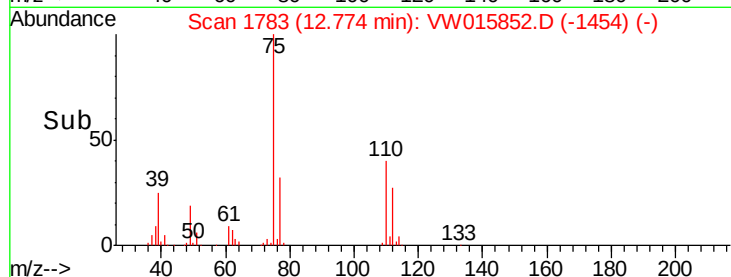
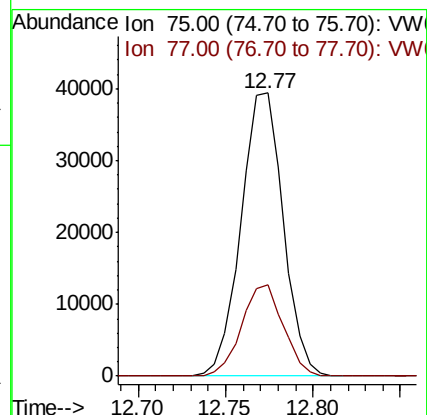
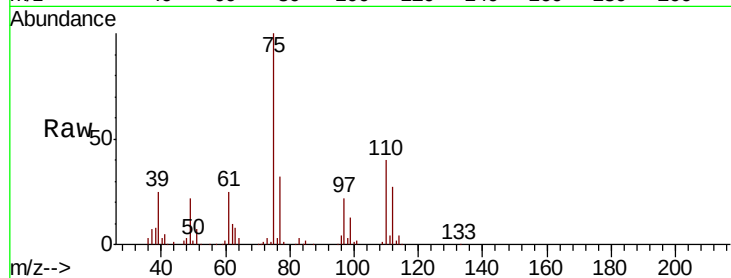
VSTD02526

Tot Ion: 75 Resp: 66291

Ion Ratio Lower Upper

75 100

77 32.0 25.8 38.8



#62

Bromoform

Concen: 24.904 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW015852.D

Acq: 14 Jul 2020 08:55

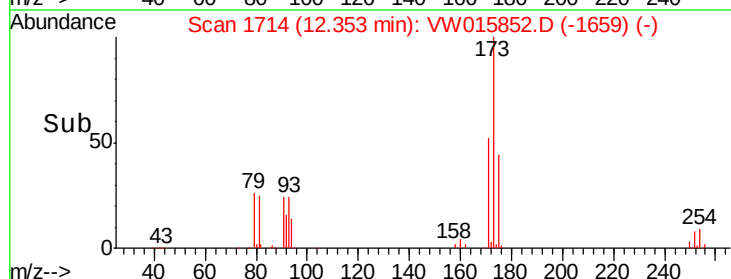
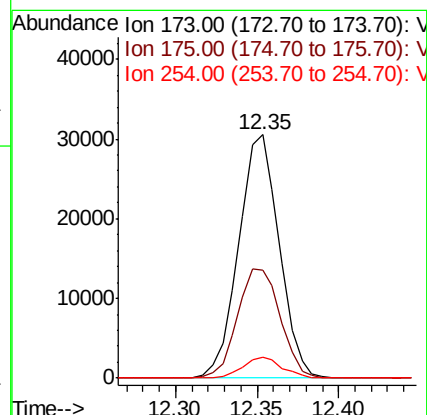
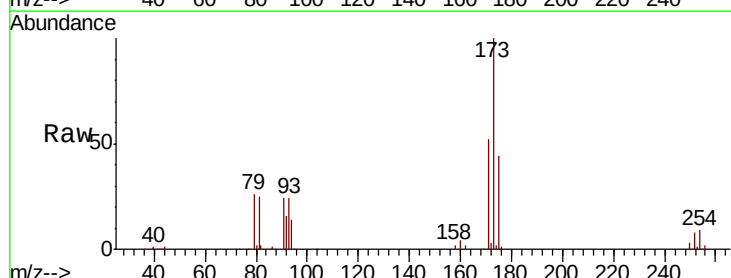
Tgt Ion: 173 Resp: 52754

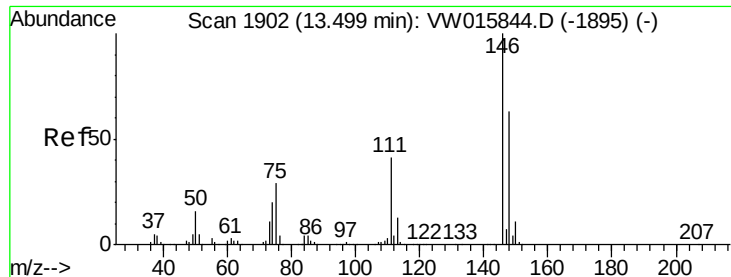
Ion Ratio Lower Upper

173 100

175 47.4 38.2 57.4

254 8.4 6.6 9.8

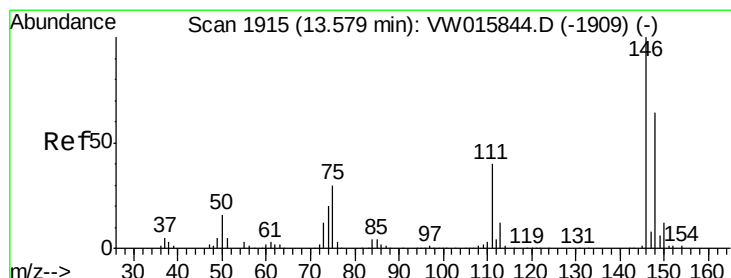
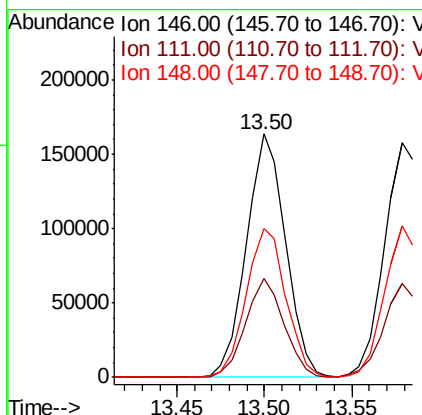
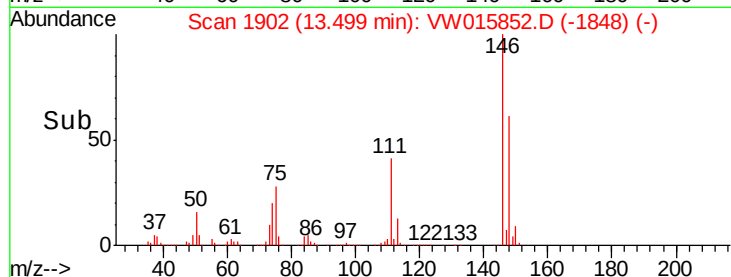
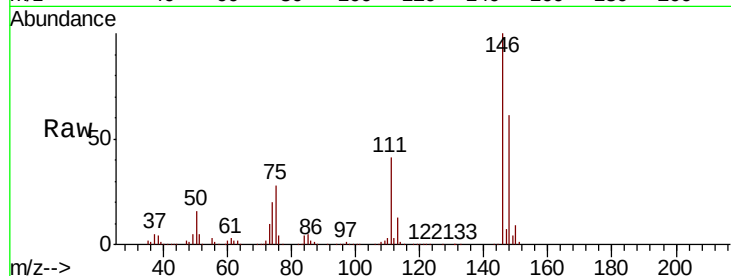




#63
1,3-Dichlorobenzene
Concen: 25.848 ug/L
RT: 13.50 min Scan# 1902
Delta R.T. 0.00 min
Lab File: VW015852.D
Acq: 14 Jul 2020 08:55

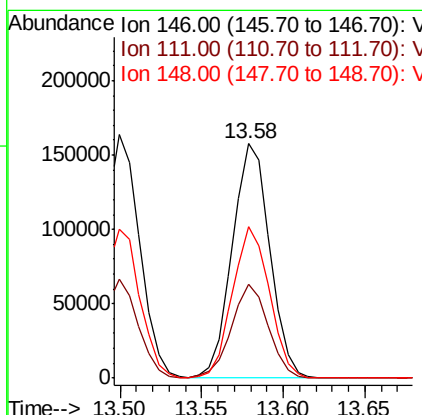
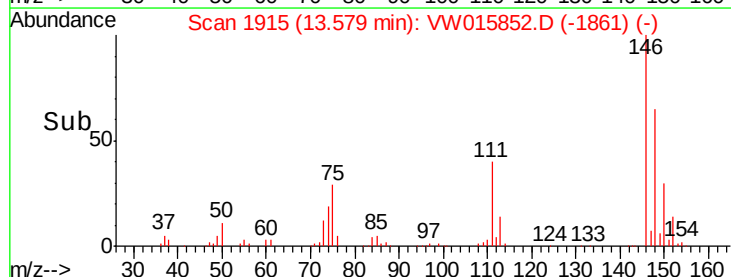
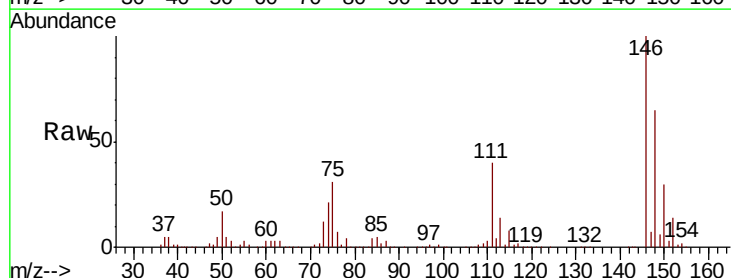
Instrument :
MSVOA_W
ClientSampleId :
VSTD02526

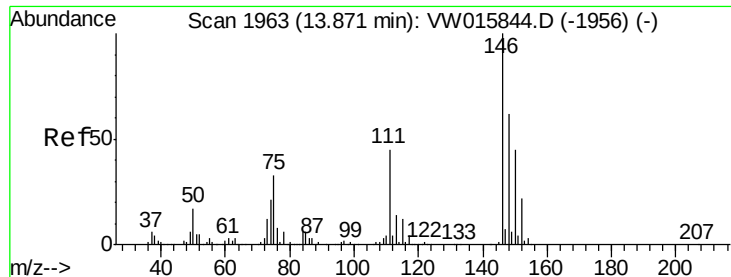
Tot Ion:146 Resp: 255288
Ion Ratio Lower Upper
146 100
111 40.6 29.2 54.2
148 61.3 47.7 88.7



#64
1,4-Dichlorobenzene
Concen: 25.264 ug/L
RT: 13.58 min Scan# 1915
Delta R.T. 0.00 min
Lab File: VW015852.D
Acq: 14 Jul 2020 08:55

Tgt Ion:146 Resp: 252773
Ion Ratio Lower Upper
146 100
111 39.9 27.6 51.2
148 64.8 45.3 84.1





#65

1,2-Dichlorobenzene

Concen: 25.050 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW015852.D

Acq: 14 Jul 2020 08:55

Instrument :

MSVOA_W

ClientSampleId :

VSTD02526

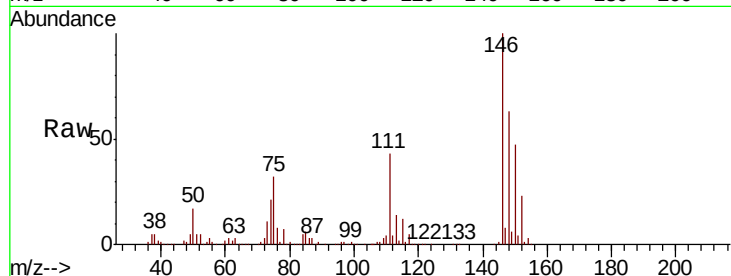
Tot Ion:146 Resp: 224183

Ion Ratio Lower Upper

146 100

111 42.6 36.2 54.4

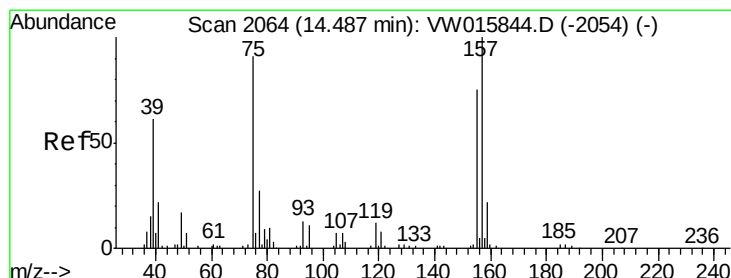
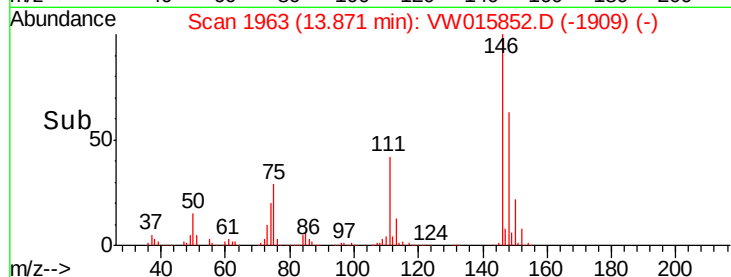
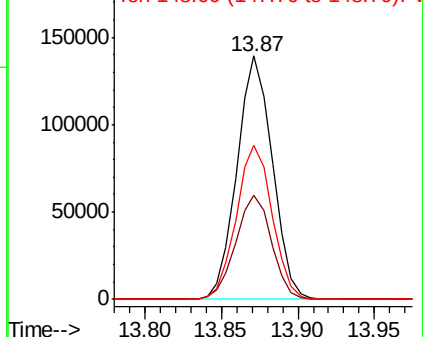
148 63.4 55.1 82.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 25.126 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW015852.D

Acq: 14 Jul 2020 08:55

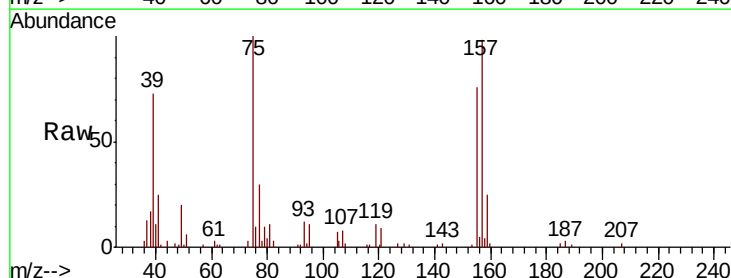
Tgt Ion: 75 Resp: 13902

Ion Ratio Lower Upper

75 100

157 98.1 82.2 123.2

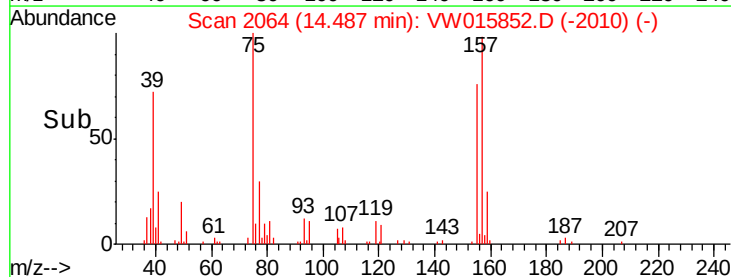
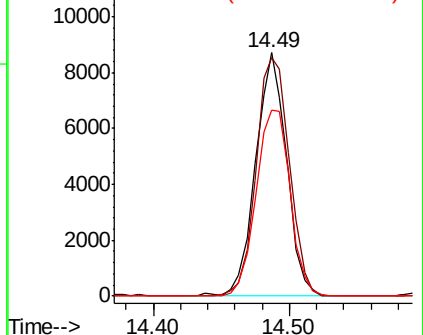
155 76.3 67.7 101.5

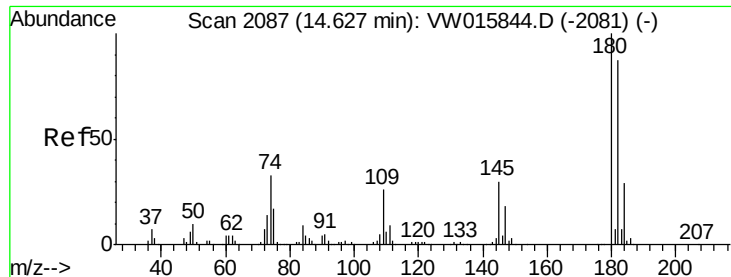


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

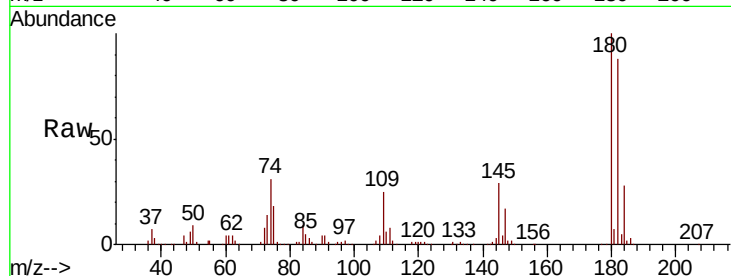




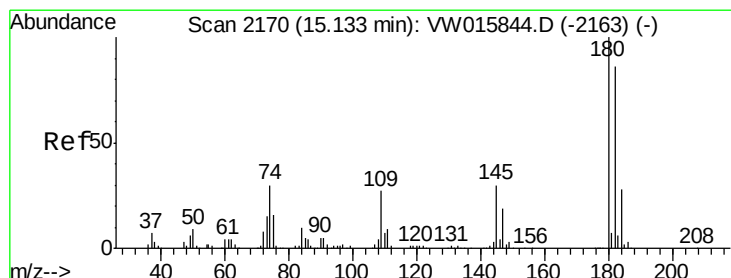
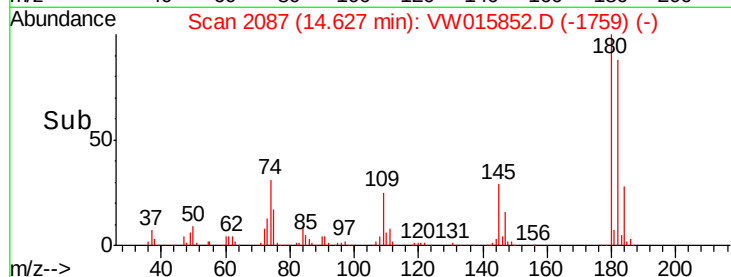
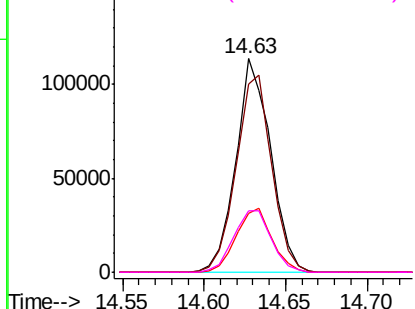
#67
 1,3,5-Trichlorobenzene
 Concen: 25.603 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW015852.D
 Acq: 14 Jul 2020 08:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02526

Tot Ion:180 Resp: 168573
 Ion Ratio Lower Upper
 180 100
 182 94.8 75.3 112.9
 184 30.8 22.8 34.2
 145 31.4 24.6 37.0

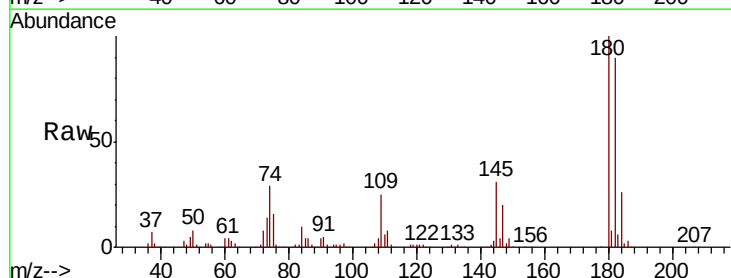


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

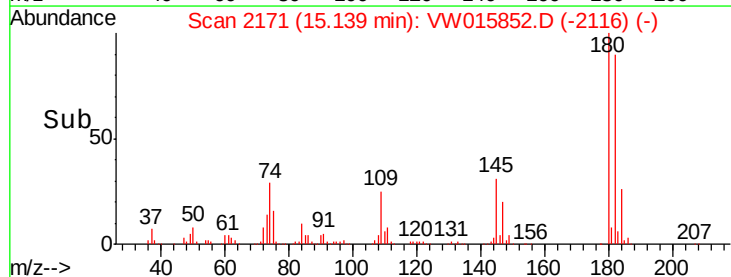
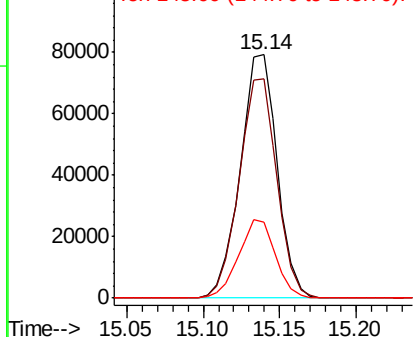


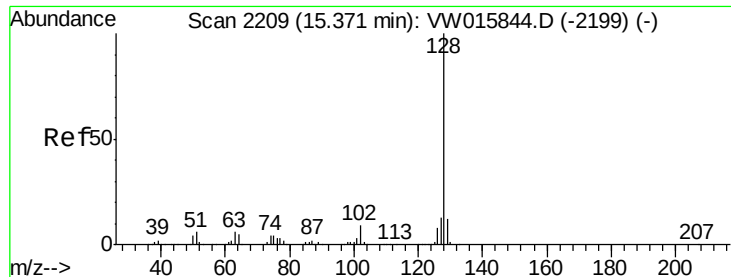
#68
 1,2,4-trichlorobenzene
 Concen: 25.834 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.01 min
 Lab File: VW015852.D
 Acq: 14 Jul 2020 08:55

Tgt Ion:180 Resp: 132821
 Ion Ratio Lower Upper
 180 100
 182 92.0 75.2 112.8
 145 32.0 25.0 37.4



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





#69

Naphthalene

Concen: 26.445 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW015852.D

Acq: 14 Jul 2020 08:55

Instrument :

MSVOA_W

ClientSampleId :

VSTD02526

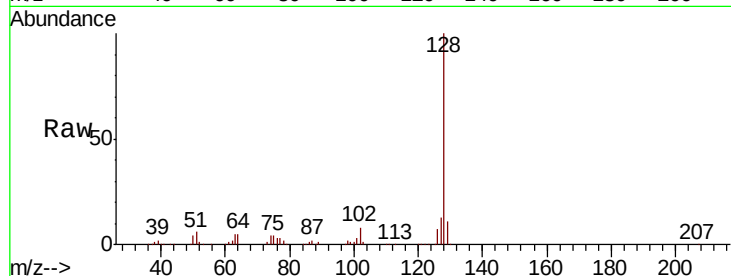
Tot Ion:128 Resp: 242228

Ion Ratio Lower Upper

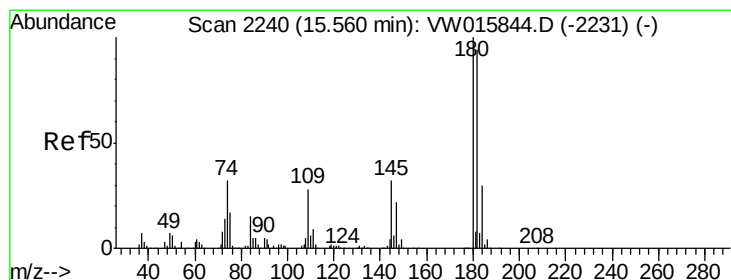
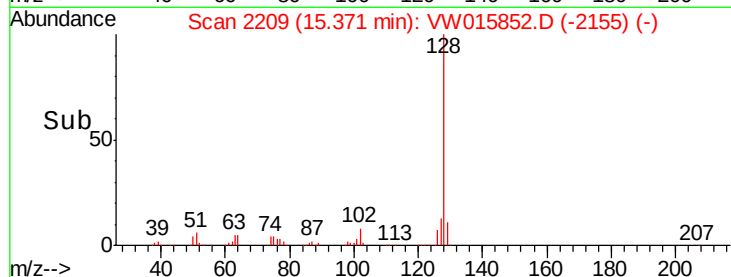
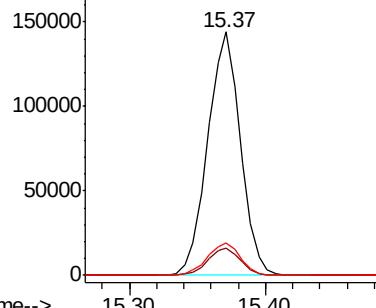
128 100

129 11.0 8.6 13.0

127 13.4 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 26.096 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW015852.D

Acq: 14 Jul 2020 08:55

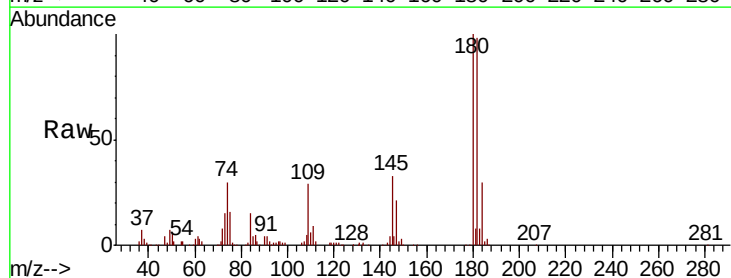
Tgt Ion:180 Resp: 119705

Ion Ratio Lower Upper

180 100

182 92.7 73.1 109.7

145 33.2 26.6 40.0



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

