

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW040720\
 Data File : VW015157.D
 Acq On : 07 Apr 2020 10:46
 Operator : SY/VA
 Sample : VSTDCCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02521

Quant Time: Apr 08 06:04:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Apr 06 14:06:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	709564	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	645755	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	295451	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	288447	23.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.16%
7) Chloroethane-d5	2.89	69	271277	26.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	107.40%
10) 1,1-Dichloroethene-d2	4.03	63	585461	23.77	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	95.08%
20) 2-Butanone-d5	7.08	46	153700	55.10	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.20%
24) Chloroform-d	7.65	84	524823	24.75	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.00%
26) 1,2-Dichloroethane-d4	8.31	65	309644	25.22	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.88%
29) Benzene-d6	8.27	84	1025002	24.80	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.20%
33) 1,2-Dichloropropane-d6	9.27	67	338890	24.68	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.72%
37) Toluene-d8	10.32	98	900167	25.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.20%
38) trans-1,3-Dichloropropene-	10.57	79	134674	25.63	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	102.52%
39) 2-Hexanone-d5	10.92	63	112854	55.65	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.30%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	244287	26.01	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.04%
61) 1,2-Dichlorobenzene-d4	13.85	152	252473	24.56	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.24%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	156387	28.329	ug/L 91
3) Chloromethane	2.21	50	225085	22.050	ug/L 98
5) Vinyl chloride	2.37	62	351516	24.715	ug/L 98
6) Bromomethane	2.78	94	213967	27.254	ug/L 99
8) Chloroethane	2.93	64	228120	26.346	ug/L 97
9) Trichlorofluoromethane	3.26	101	198538	24.940	ug/L 97
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	275302	24.858	ug/L 99
12) 1,1-Dichloroethene	4.04	96	261158	24.849	ug/L 99
13) Acetone	4.13	43	153602	61.702	ug/L 100
14) Carbon disulfide	4.39	76	906953	23.199	ug/L 99
15) Methyl Acetate	4.67	43	144702	24.607	ug/L 100
16) Methylene chloride	4.92	84	290461	23.950	ug/L 96
17) Methyl tert-butyl Ether	5.43	73	343507	25.171	ug/L 100
18) trans-1,2-Dichloroethene	5.43	96	266697	24.414	ug/L 94
19) 1,1-Dichloroethane	6.21	63	575642	24.591	ug/L 97
21) 2-Butanone	7.17	43	203576	57.737	ug/L 99
22) cis-1,2-Dichloroethene	7.17	96	277854	25.613	ug/L 96

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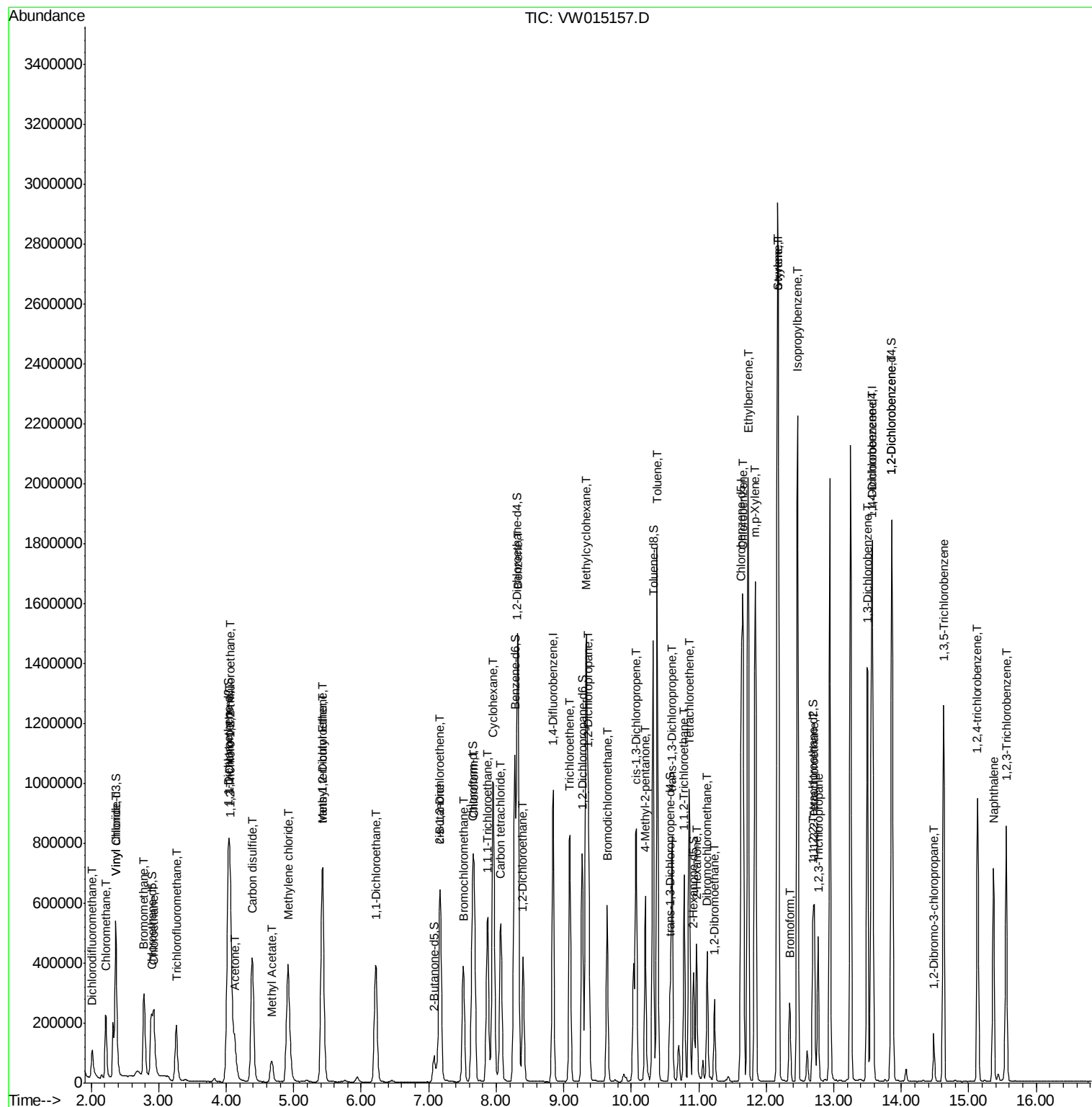
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	109942	24.685	ug/L	99
25) Chloroform	7.68	83	525476	24.849	ug/L	100
27) 1,2-Dichloroethane	8.40	62	383717	25.266	ug/L	99
30) Cyclohexane	7.96	56	562031	26.675	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	422157	24.885	ug/L	99
32) Carbon tetrachloride	8.07	117	371822	25.263	ug/L	99
34) Benzene	8.32	78	1208015	25.287	ug/L	100
35) Trichloroethene	9.09	95	287278	24.703	ug/L	98
36) Methylcyclohexane	9.34	83	531884	26.622	ug/L	99
40) 1,2-Dichloropropane	9.37	63	325549	24.711	ug/L	100
41) Bromodichloromethane	9.64	83	375067	25.022	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	454479	26.255	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	419872	56.330	ug/L	100
44) Toluene	10.38	91	1220309	25.833	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	400883	26.485	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	194878	25.164	ug/L	99
47) Tetrachloroethene	10.86	164	189384	25.234	ug/L	97
49) 2-Hexanone	10.97	43	298990	60.146	ug/L	98
50) Dibromochloromethane	11.13	129	207949	26.118	ug/L	94
51) 1,2-Dibromoethane	11.23	107	174188	25.397	ug/L	97
52) Chlorobenzene	11.65	112	697212	25.251	ug/L	99
53) Ethylbenzene	11.73	91	1363085	26.715	ug/L	99
54) m,p-Xylene	11.84	106	483447	27.027	ug/L	98
55) o-xylene	12.16	106	450212	26.847	ug/L	98
56) Styrene	12.18	104	780284	27.339	ug/L	95
57) Isopropylbenzene	12.46	105	1278846	27.679	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	250687	25.863	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	190206	26.235	ug/L	100
62) Bromoform	12.35	173	107343	24.991	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	483245	24.957	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	477360	24.095	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	442871	25.132	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.48	75	40231	23.967	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	324122	26.001	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	257527	27.409	ug/L	99
69) Naphthalene	15.36	128	532532	29.150	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	239212	27.397	ug/L	99

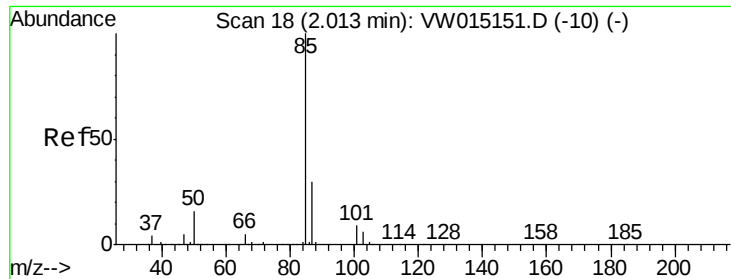
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 28.329 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW015157.D

Acq: 07 Apr 2020 10:46

Instrument :

MSVOA_W

ClientSampleId :

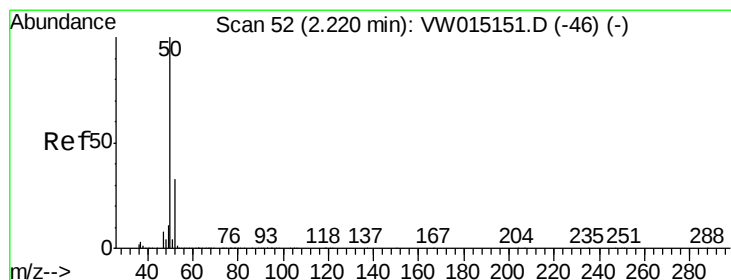
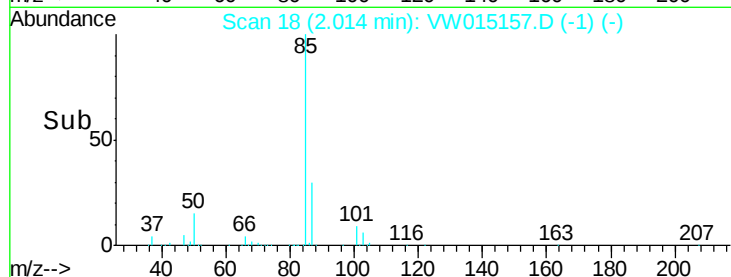
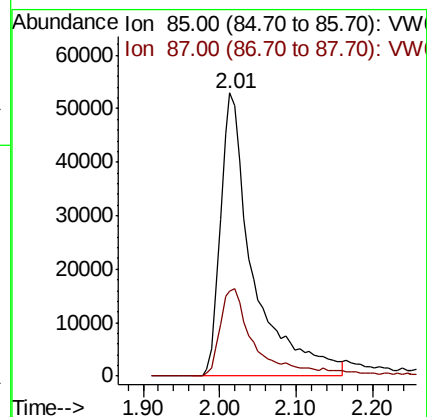
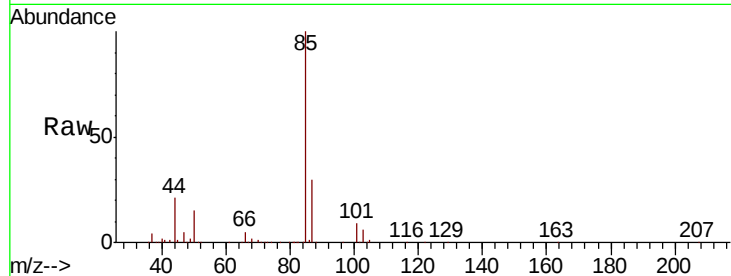
VSTD02521

Tot Ion: 85 Resp: 156387

Ion Ratio Lower Upper

85 100

87 28.3 23.4 43.6



#3

Chloromethane

Concen: 22.050 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW015157.D

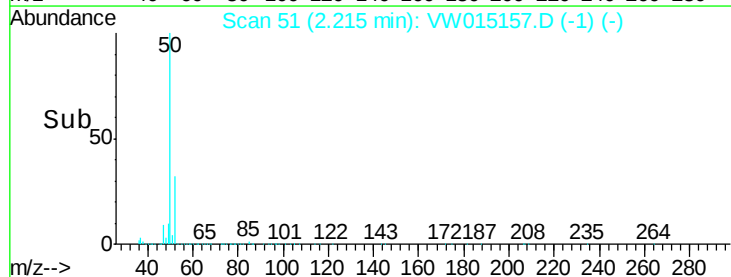
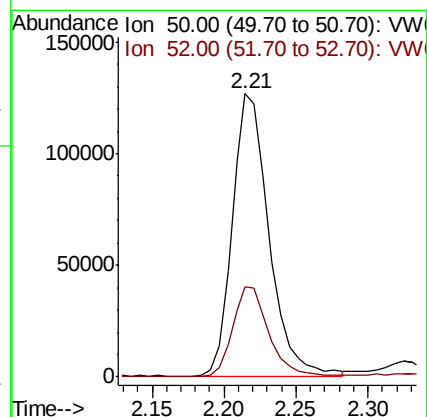
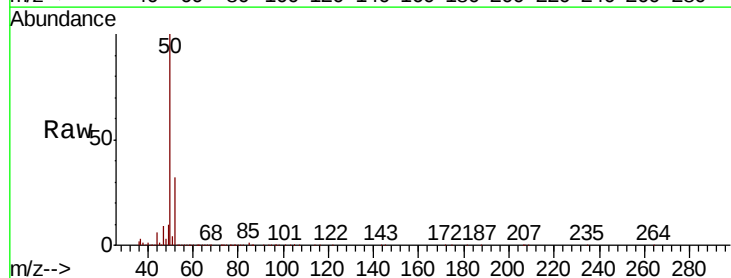
Acq: 07 Apr 2020 10:46

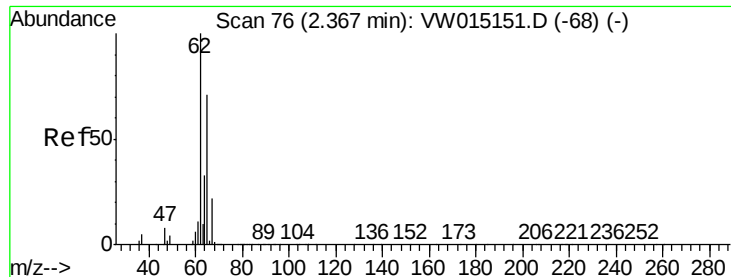
Tgt Ion: 50 Resp: 225085

Ion Ratio Lower Upper

50 100

52 31.7 23.0 42.8





#5

Vinyl chloride

Concen: 24.715 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW015157.D

Acq: 07 Apr 2020 10:46

Instrument :

MSVOA_W

ClientSampleId :

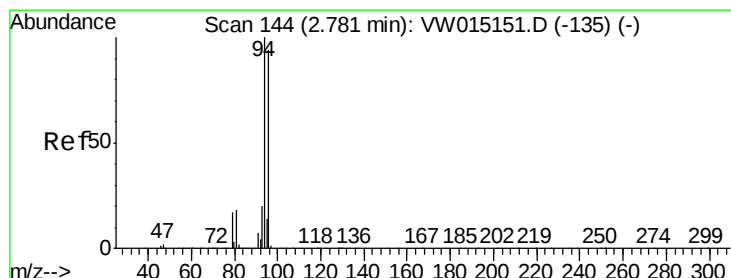
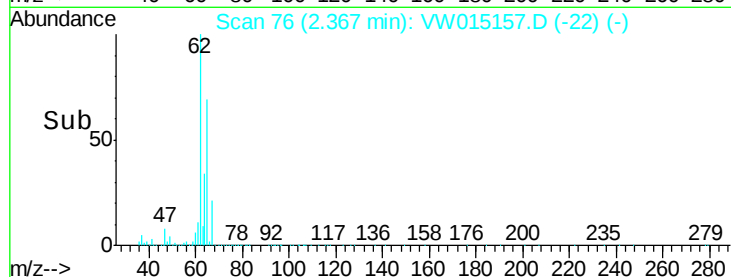
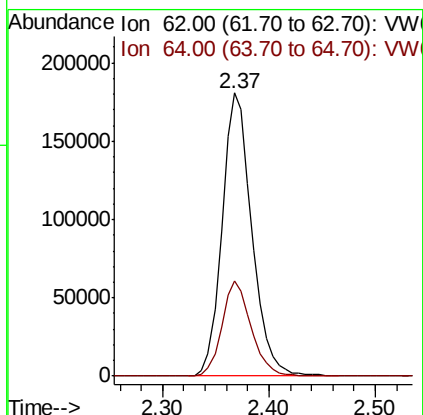
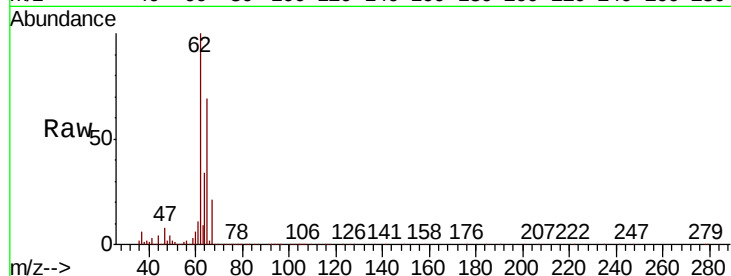
VSTD02521

Tot Ion: 62 Resp: 351516

Ion Ratio Lower Upper

62 100

64 33.6 22.7 42.3



#6

Bromomethane

Concen: 27.254 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW015157.D

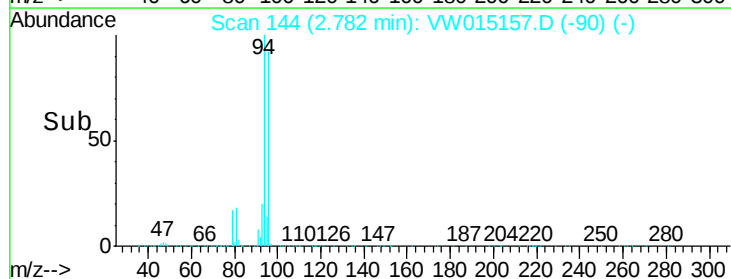
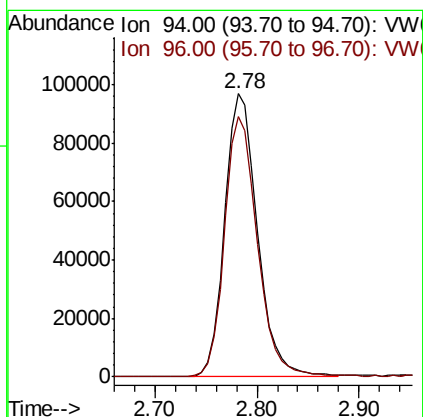
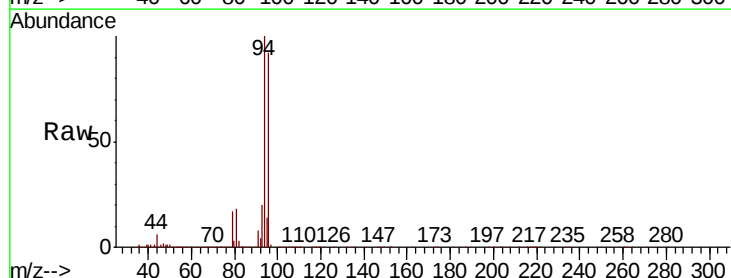
Acq: 07 Apr 2020 10:46

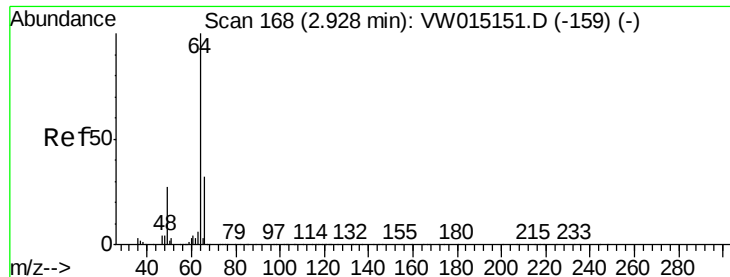
Tgt Ion: 94 Resp: 213967

Ion Ratio Lower Upper

94 100

96 92.4 9.3 177.3





#8

Chloroethane

Concen: 26.346 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW015157.D

Acq: 07 Apr 2020 10:46

Instrument :

MSVOA_W

ClientSampleId :

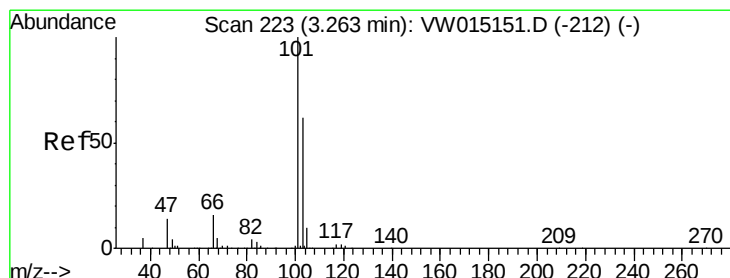
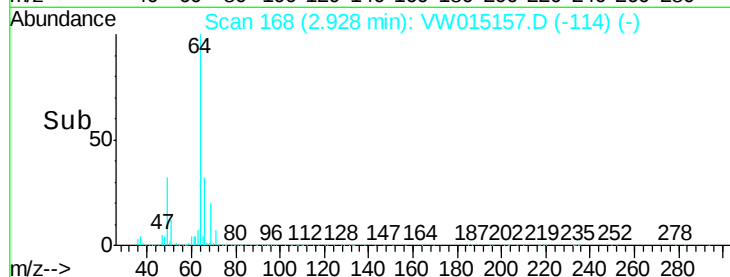
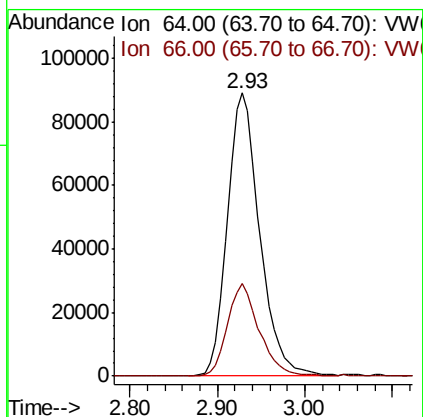
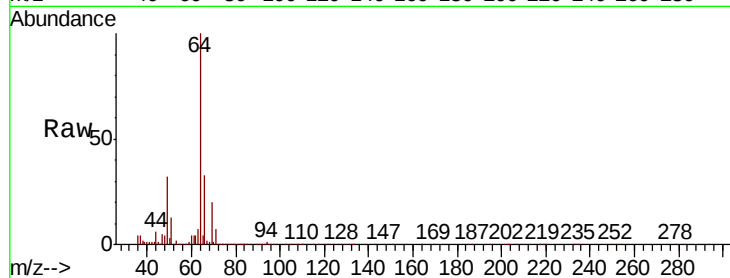
VSTD02521

Tot Ion: 64 Resp: 228120

Ion Ratio Lower Upper

64 100

66 32.6 21.8 40.6



#9

Trichlorofluoromethane

Concen: 24.940 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.00 min

Lab File: VW015157.D

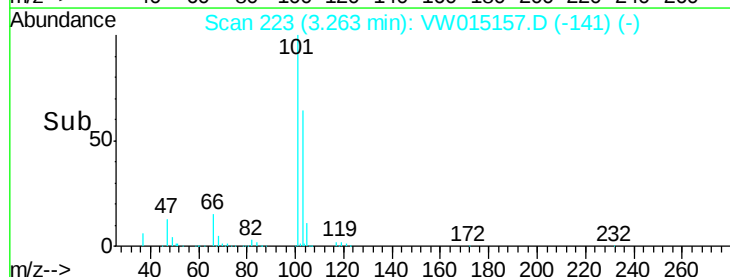
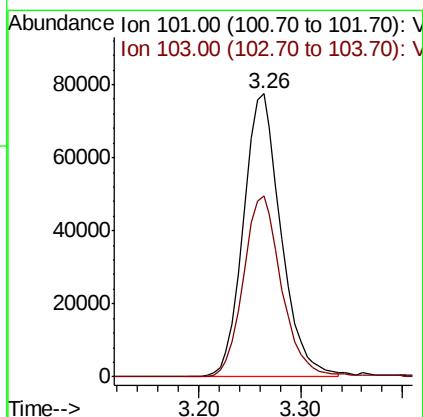
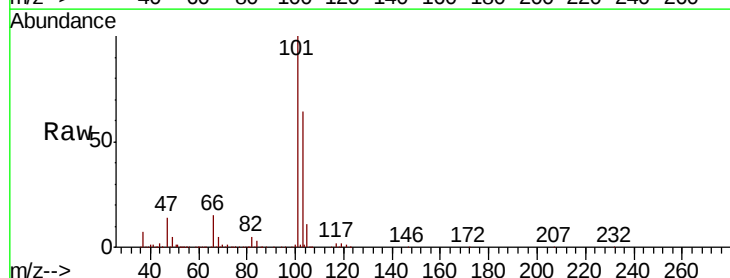
Acq: 07 Apr 2020 10:46

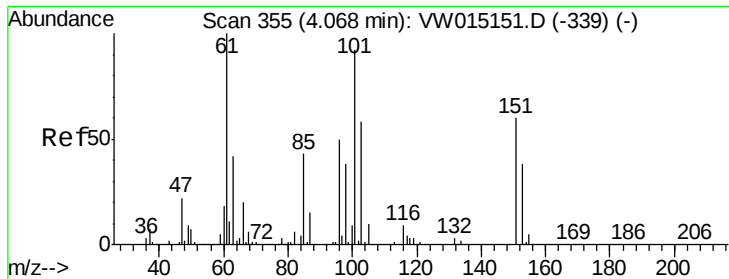
Tgt Ion: 101 Resp: 198538

Ion Ratio Lower Upper

101 100

103 65.2 43.8 81.4





#11

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

Concen: 24.858 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW015157.D

Acq: 07 Apr 2020 10:46

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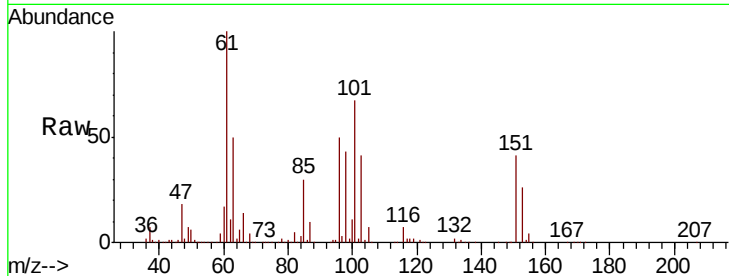
Tot Ion:101 Resp: 275302

Ion Ratio Lower Upper

101 100

85 46.1 37.8 56.6

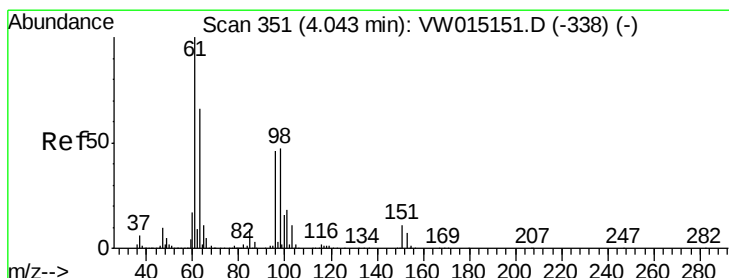
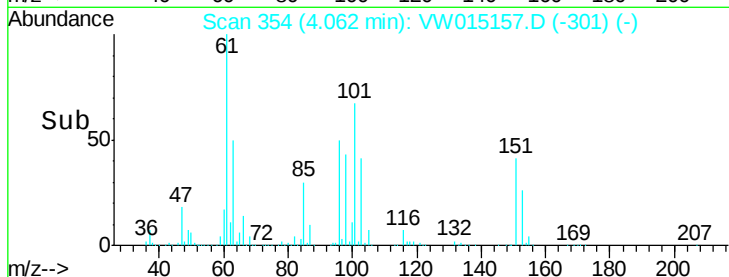
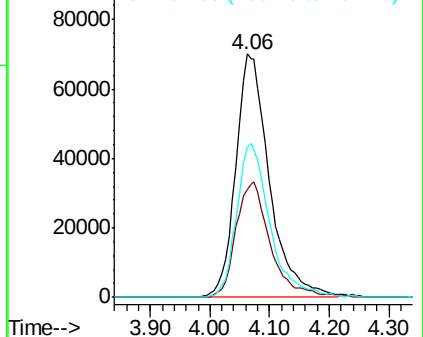
151 62.1 50.2 75.4



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: 24.849 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.00 min

Lab File: VW015157.D

Acq: 07 Apr 2020 10:46

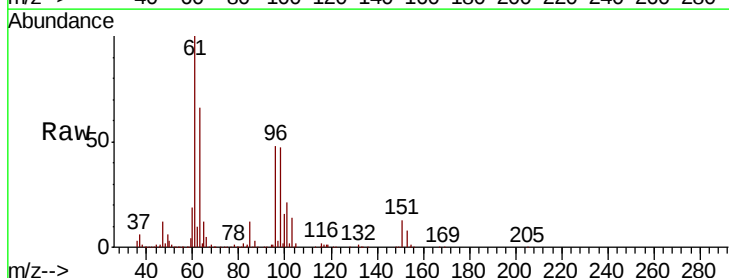
Tgt Ion: 96 Resp: 261158

Ion Ratio Lower Upper

96 100

61 206.4 146.2 271.4

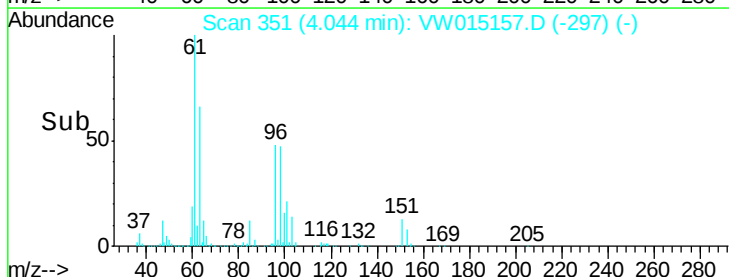
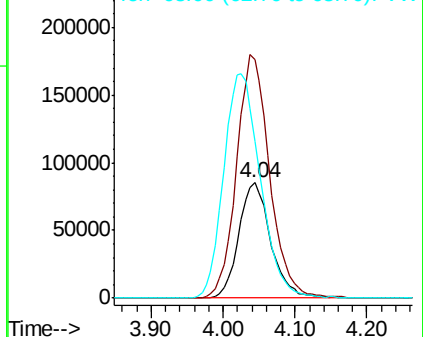
63 135.4 95.0 176.4

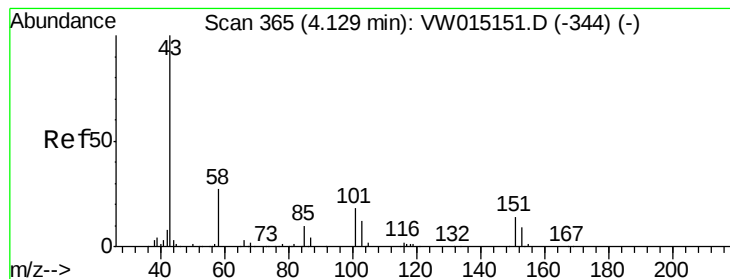


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 61.702 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.00 min

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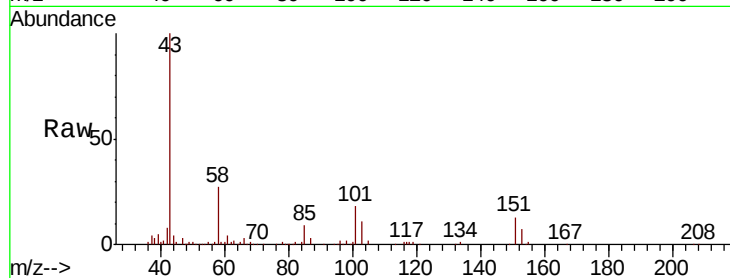
VSTD02521

Tot Ion: 43 Resp: 153602

Ion Ratio Lower Upper

43 100

58 27.1 0.0 54.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

60000

50000

40000

30000

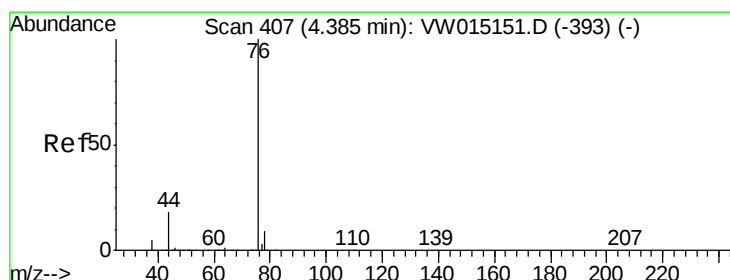
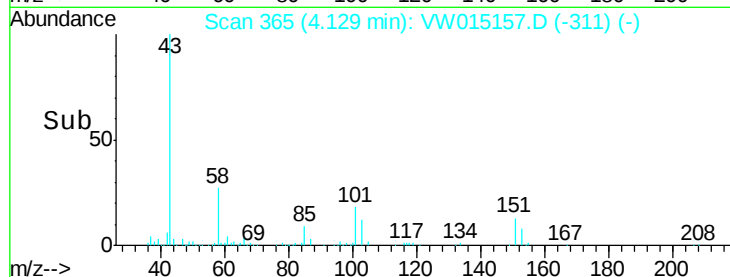
20000

10000

0

4.10 4.20

Time-->



#14

Carbon disulfide

Concen: 23.199 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW015157.D

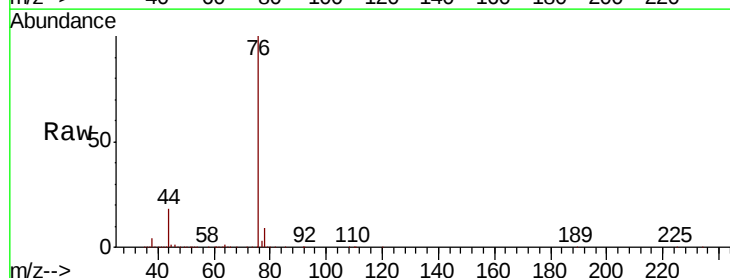
Acq: 07 Apr 2020 10:46

Tgt Ion: 76 Resp: 906953

Ion Ratio Lower Upper

76 100

78 8.8 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

4.39

300000

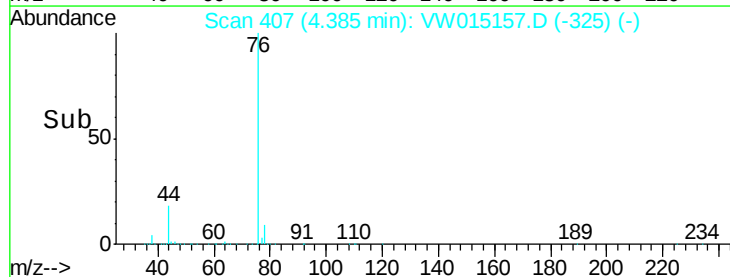
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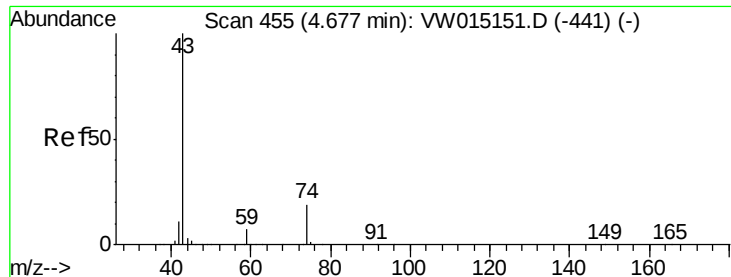
100000

0

4.20 4.30 4.40 4.50 4.60

Time-->





#15

Methyl Acetate

Concen: 24.607 ug/L

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW015157.D

Acq: 07 Apr 2020 10:46

Instrument :

MSVOA_W

ClientSampled :

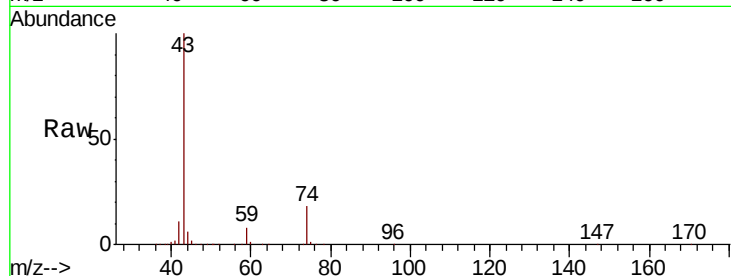
VSTD02521

Tot Ion: 43 Resp: 144702

Ion Ratio Lower Upper

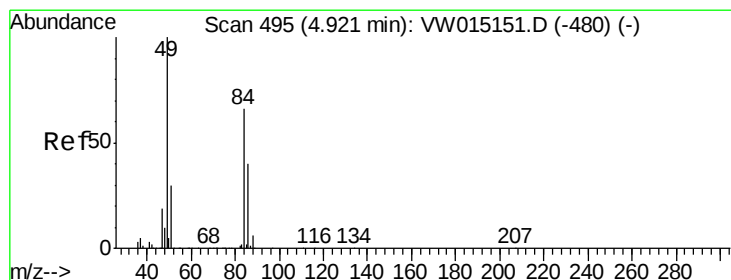
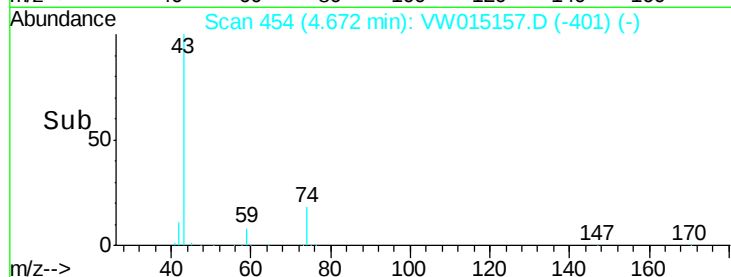
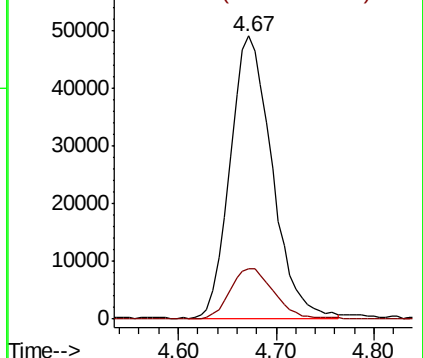
43 100

74 19.3 15.5 23.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 23.950 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW015157.D

Acq: 07 Apr 2020 10:46

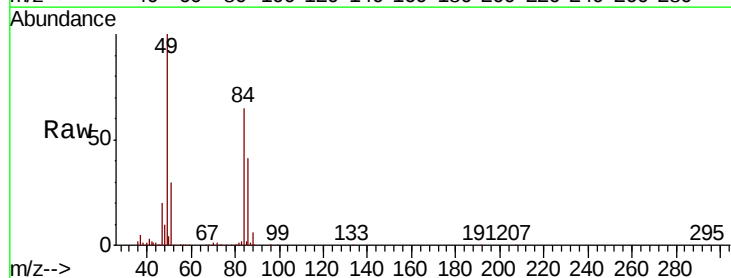
Tgt Ion: 84 Resp: 290461

Ion Ratio Lower Upper

84 100

49 153.7 111.7 207.5

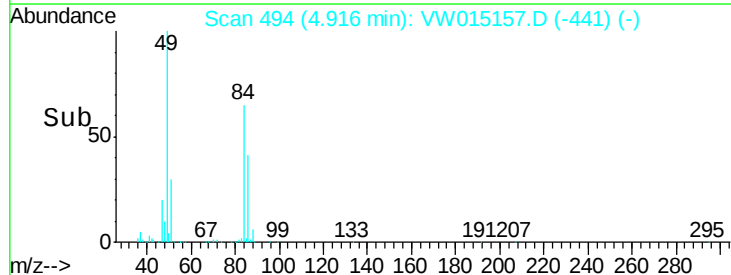
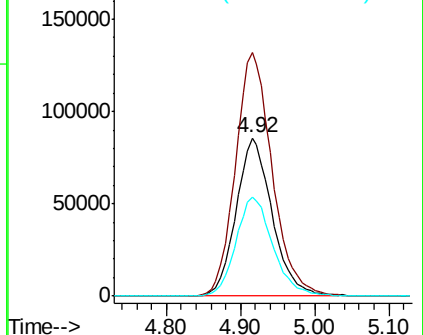
86 62.5 44.7 82.9

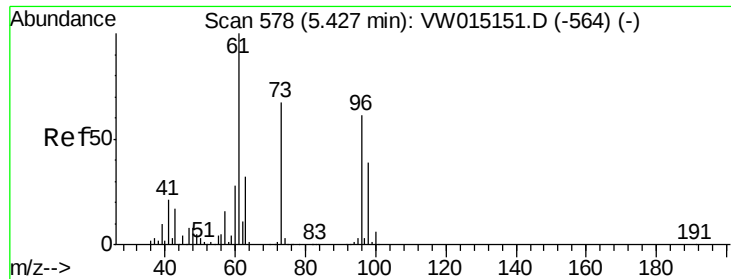


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

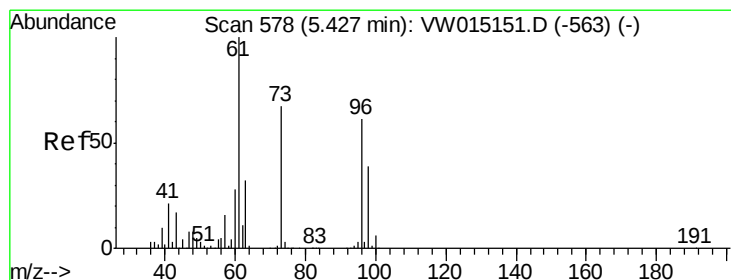
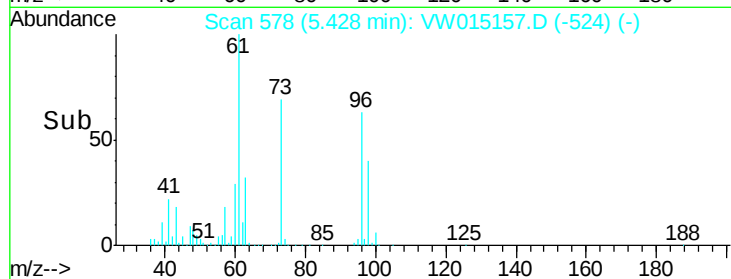
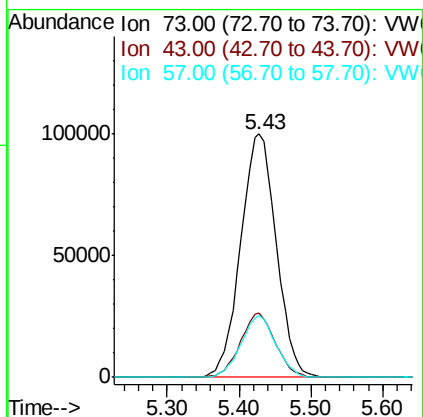
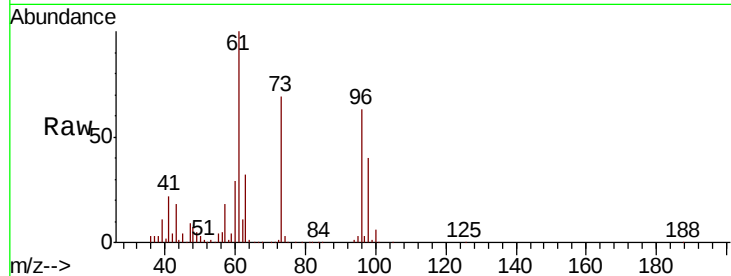




#17
Methvl tert-butvl Ether
Concen: 25.171 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW015157.D
Acq: 07 Apr 2020 10:46

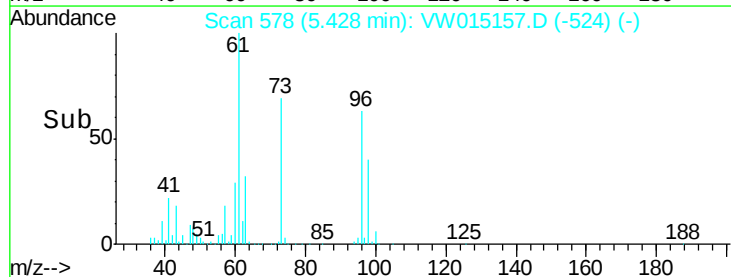
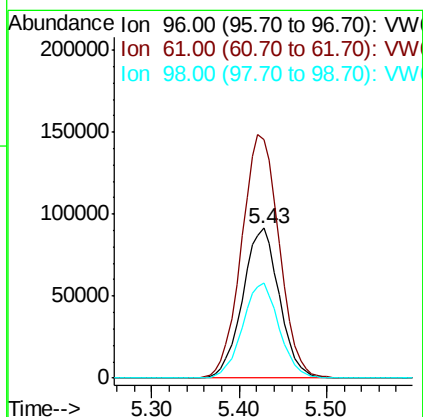
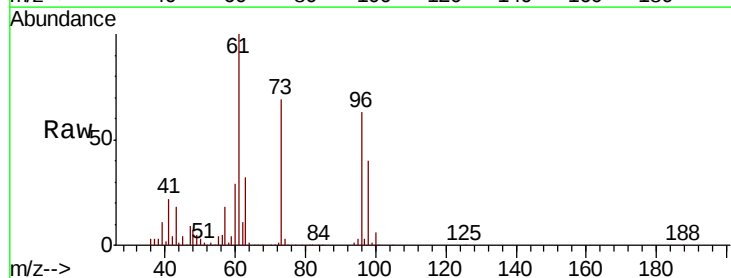
Instrument :
MSVOA_W
ClientSampled :
VSTD02521

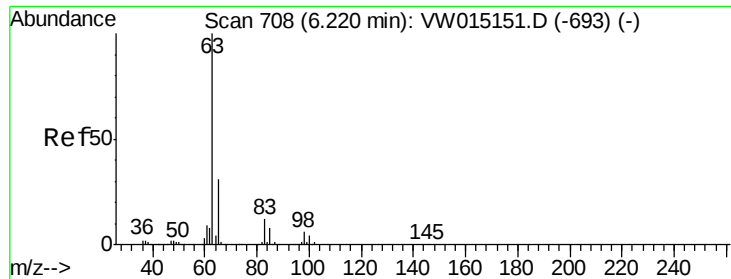
Tot Ion	Ratio	Lower	Upper
73	100		
43	25.4	20.2	30.2
57	24.7	19.7	29.5



#18
trans-1,2-Dichloroethene
Concen: 24.414 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW015157.D
Acq: 07 Apr 2020 10:46

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.9	118.1	219.3
98	63.1	45.8	85.2

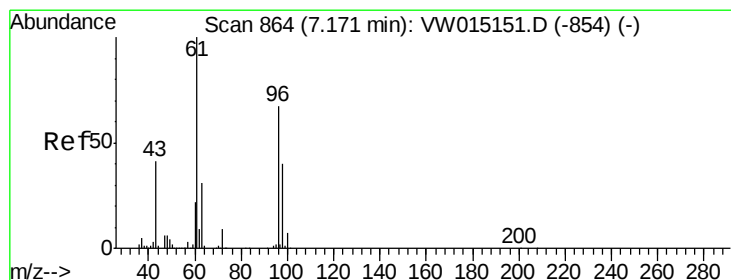
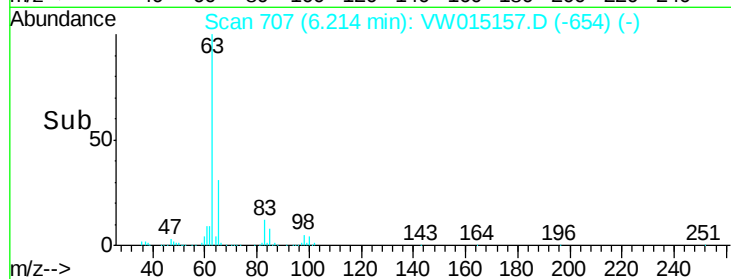
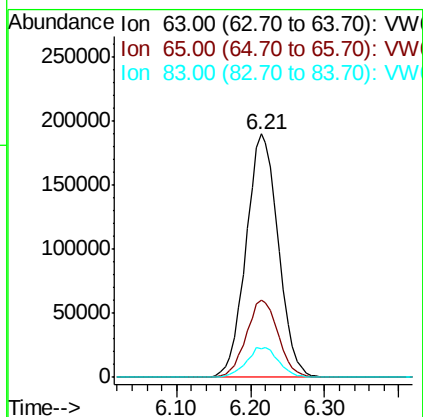
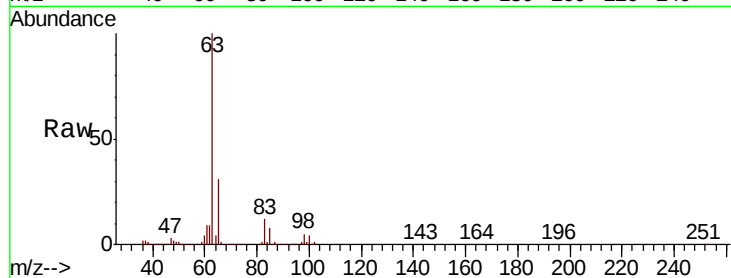




#19
 1,1-Dichloroethane
 Concen: 24.591 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.01 min
 Lab File: VW015157.D
 Acq: 07 Apr 2020 10:46

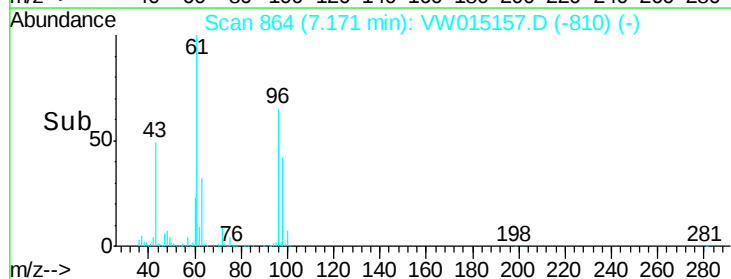
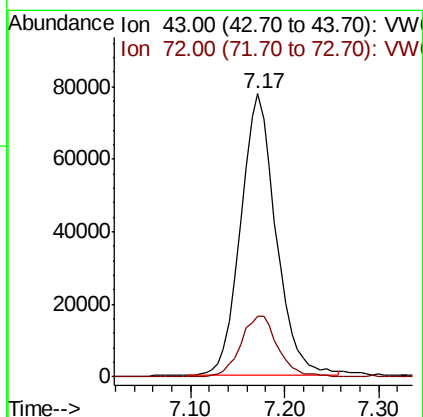
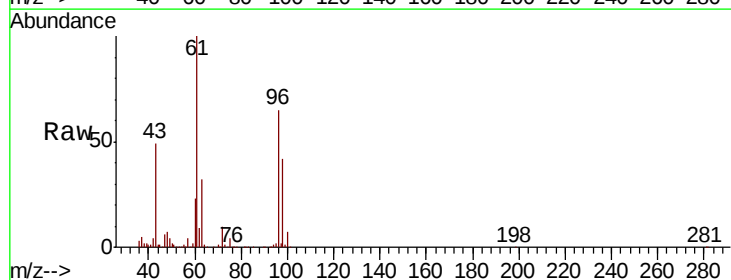
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02521

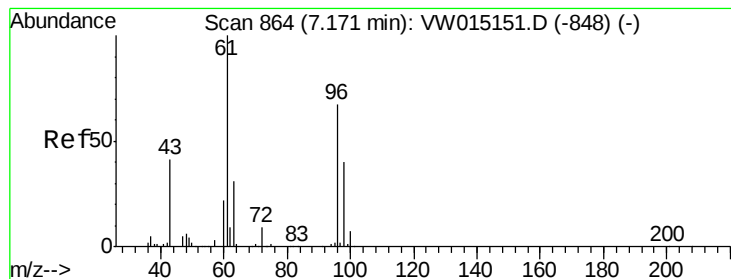
Tot Ion	Ratio	Lower	Upper
63	100		
65	31.5	20.6	38.4
83	11.9	8.1	15.1



#21
 2-Butanone
 Concen: 57.737 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW015157.D
 Acq: 07 Apr 2020 10:46

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.7	11.7	35.0



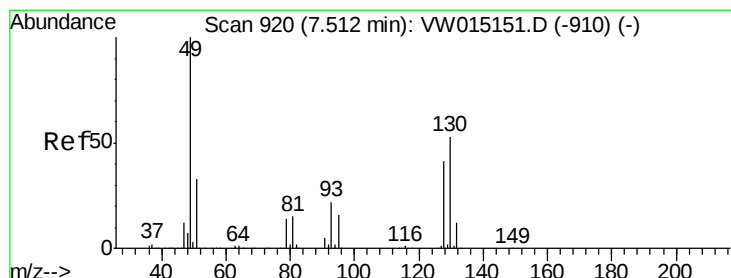
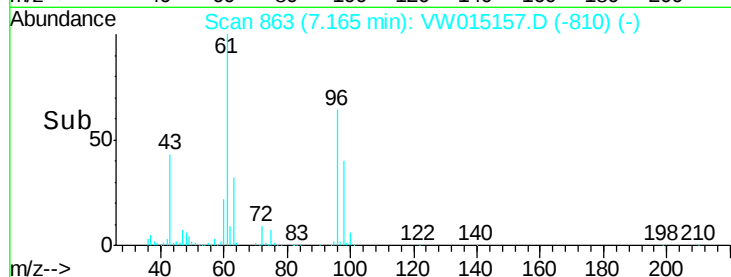
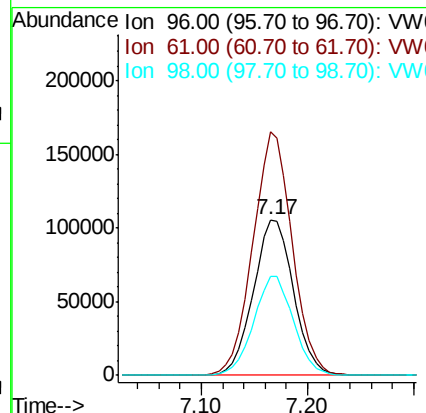
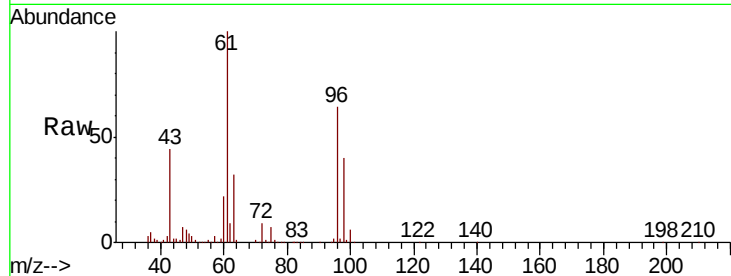


#22

cis-1,2-Dichloroethene
 Concen: 25.613 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW015157.D
 Acq: 07 Apr 2020 10:46

Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02521

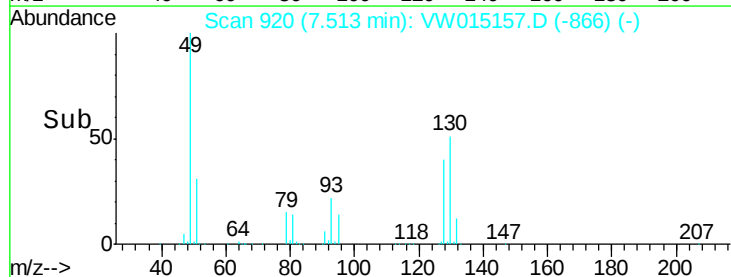
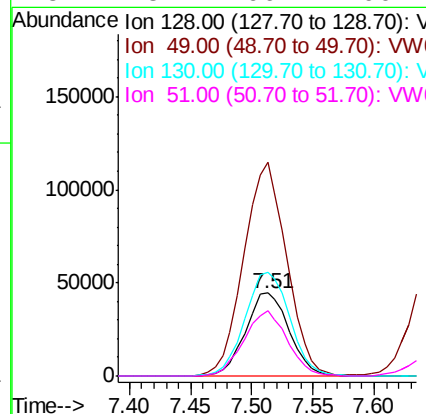
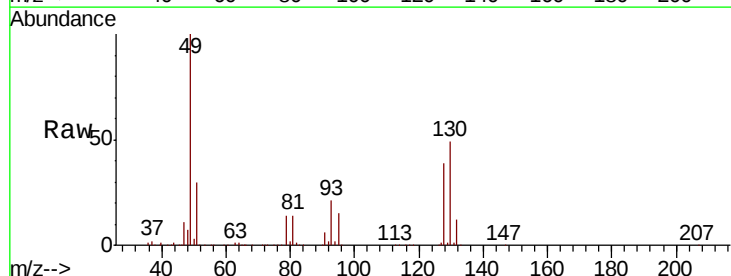
Tot Ion	Ratio	Lower	Upper
96	100		
61	156.4	105.6	196.0
98	63.3	43.3	80.5

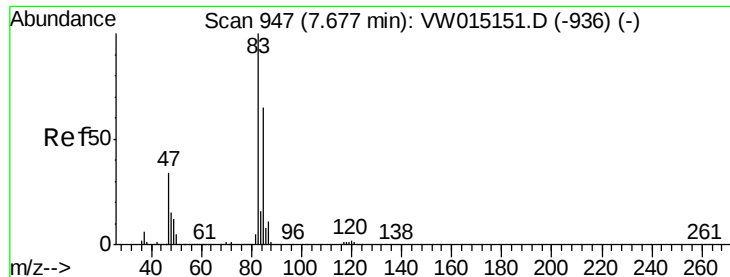


#23

Bromochloromethane
 Concen: 24.685 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW015157.D
 Acq: 07 Apr 2020 10:46

Tgt Ion	Ratio	Lower	Upper
128	100		
49	257.8	181.2	336.6
130	125.8	88.4	164.2
51	78.1	66.2	99.4

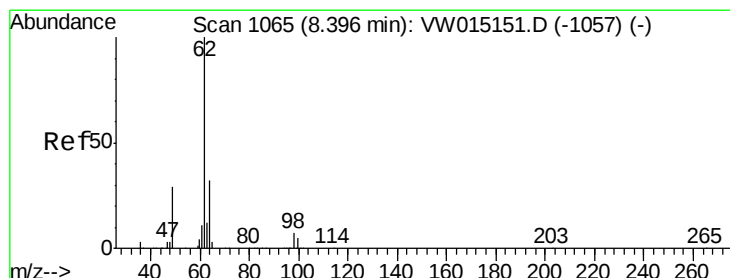
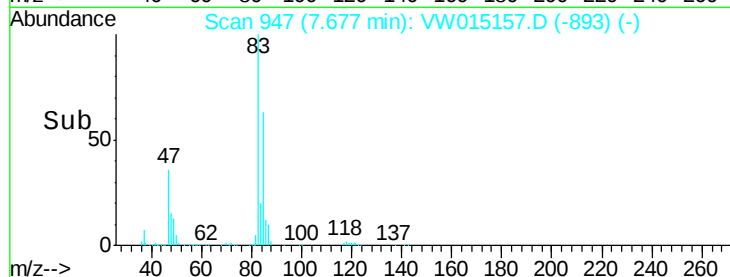
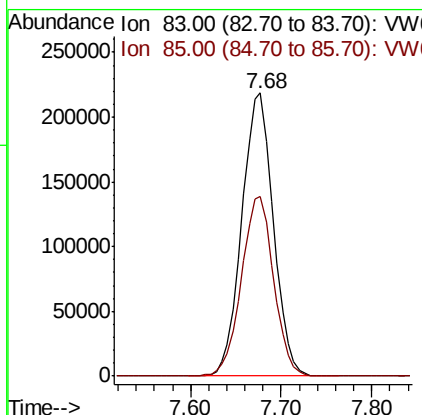
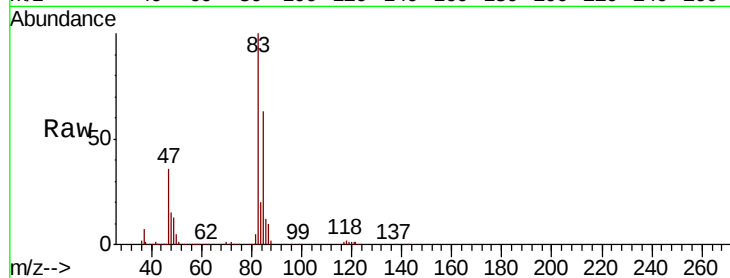




#25
Chloroform
Concen: 24.849 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW015157.D
Acq: 07 Apr 2020 10:46

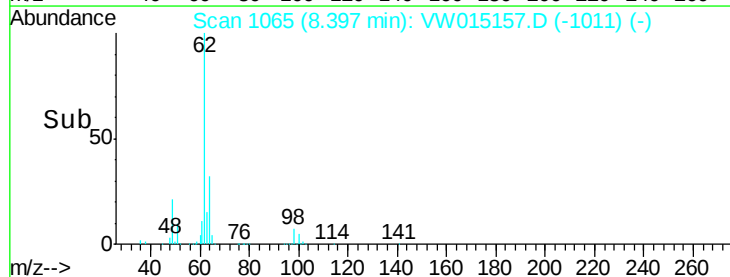
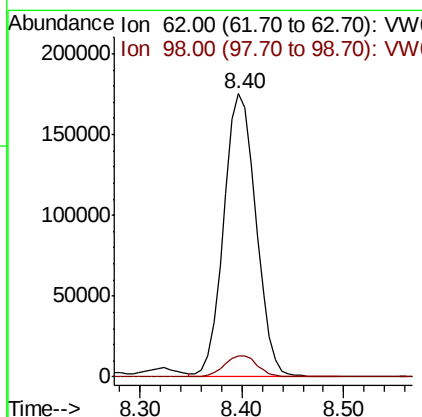
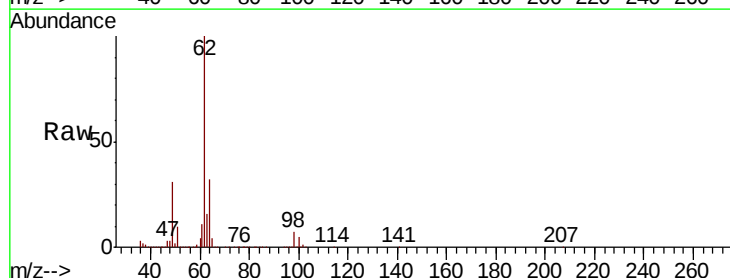
Instrument :
MSVOA_W
ClientSampleId :
VSTD02521

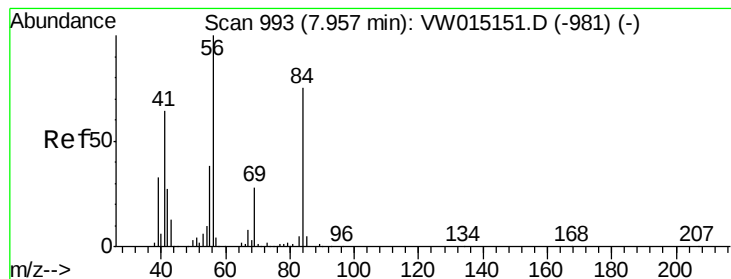
Tot Ion: 83 Resp: 525476
Ion Ratio Lower Upper
83 100
85 64.9 45.4 84.2



#27
1,2-Dichloroethane
Concen: 25.266 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW015157.D
Acq: 07 Apr 2020 10:46

Tgt Ion: 62 Resp: 383717
Ion Ratio Lower Upper
62 100
98 7.4 6.2 9.4





#30

Cvclohexane

Concen: 26.675 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW015157.D

Acq: 07 Apr 2020 10:46

Instrument :

MSVOA_W

ClientSampleId :

VSTD02521

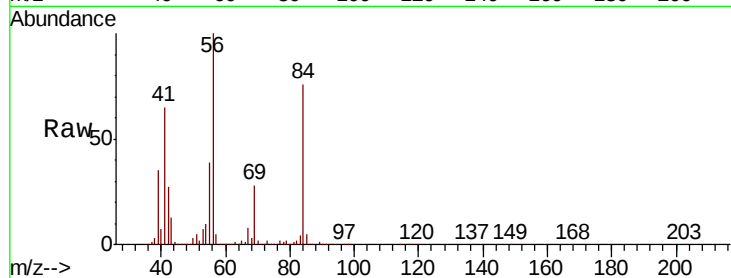
Tot Ion: 56 Resp: 562031

Ion Ratio Lower Upper

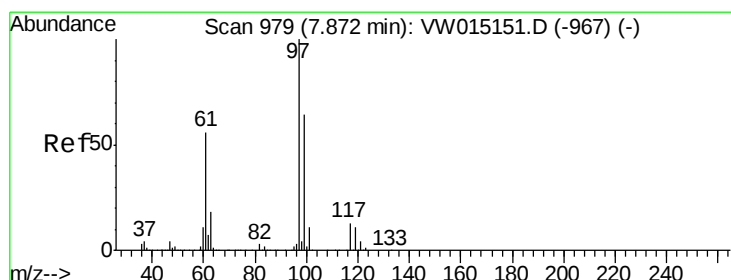
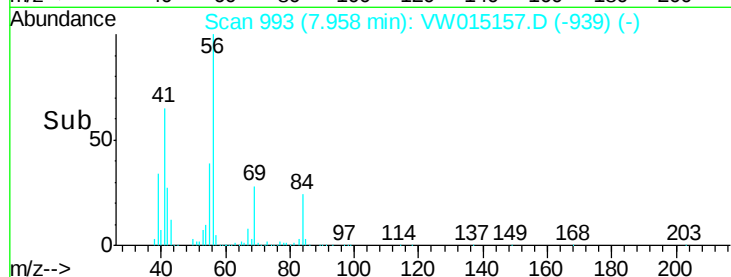
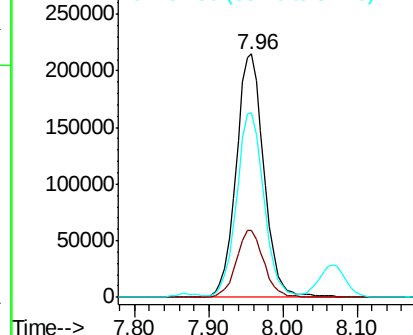
56 100

69 27.4 22.0 33.0

84 74.5 58.9 88.3



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



#31

1,1,1-Trichloroethane

Concen: 24.885 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW015157.D

Acq: 07 Apr 2020 10:46

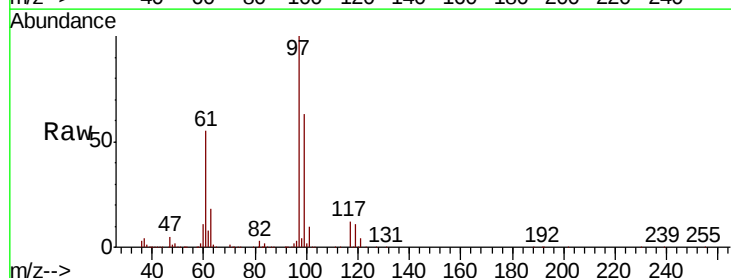
Tgt Ion: 97 Resp: 422157

Ion Ratio Lower Upper

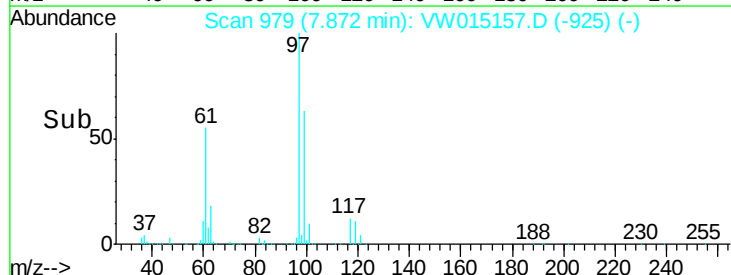
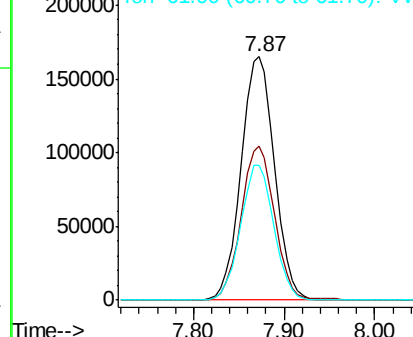
97 100

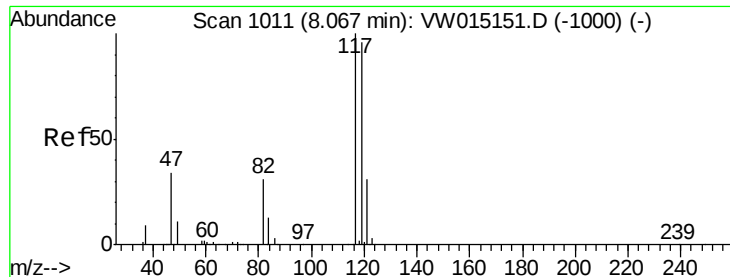
99 63.1 51.0 76.4

61 55.4 44.8 67.2



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





#32

Carbon tetrachloride

Concen: 25.263 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW015157.D

Acq: 07 Apr 2020 10:46

Instrument :

MSVOA_W

ClientSampleId :

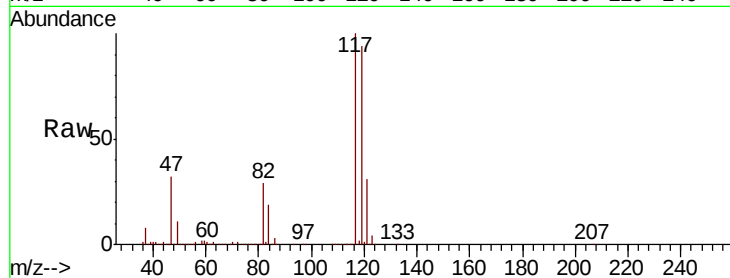
VSTD02521

Tot Ion:117 Resp: 371822

Ion Ratio Lower Upper

117 100

119 94.4 76.6 114.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

150000

100000

50000

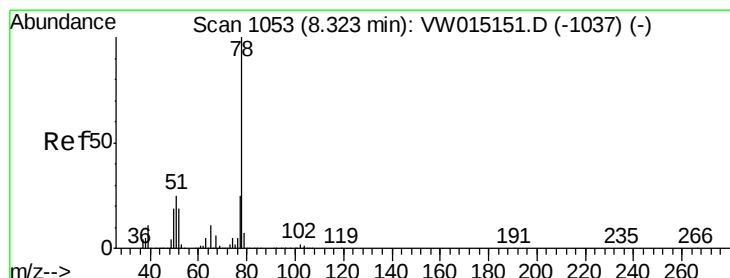
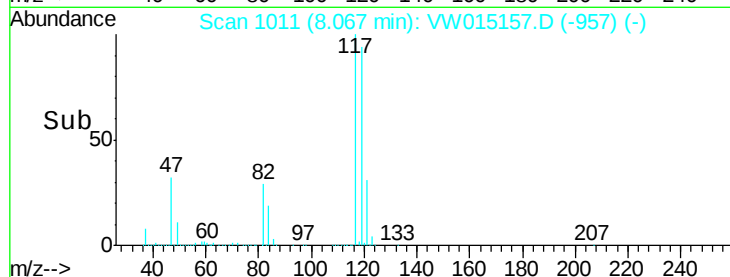
0

8.07

8.10

8.20

Time-->



#34

Benzene

Concen: 25.287 ug/L

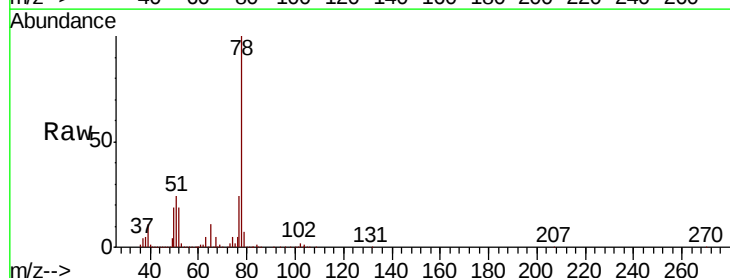
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW015157.D

Acq: 07 Apr 2020 10:46

Tgt Ion: 78 Resp: 1208015



Abundance Ion 78.00 (77.70 to 78.70): VW

600000

500000

400000

300000

200000

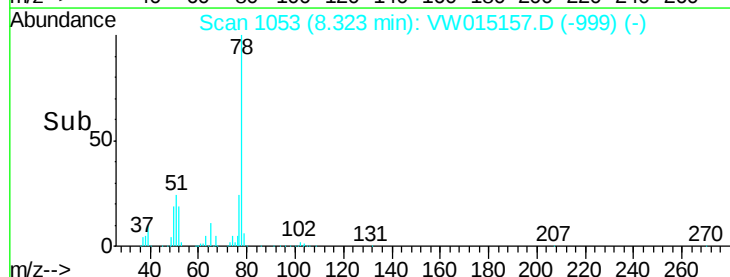
100000

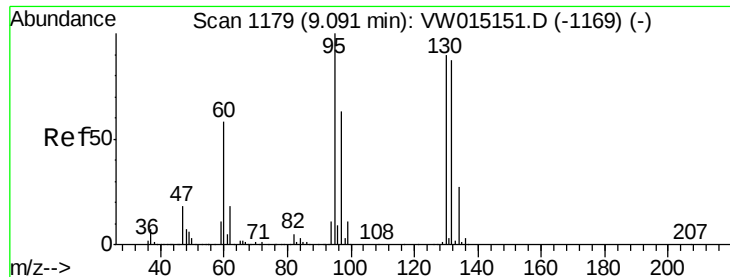
0

8.32

8.40

Time-->

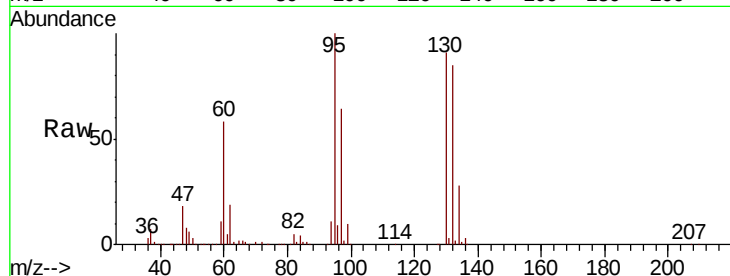




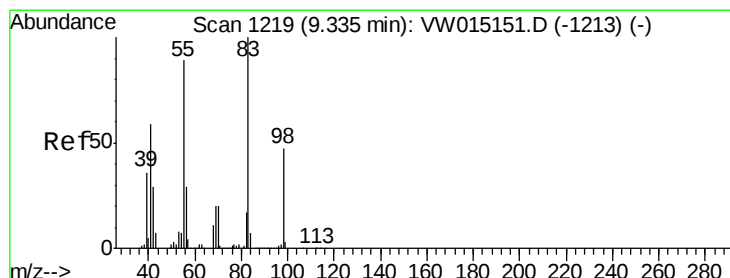
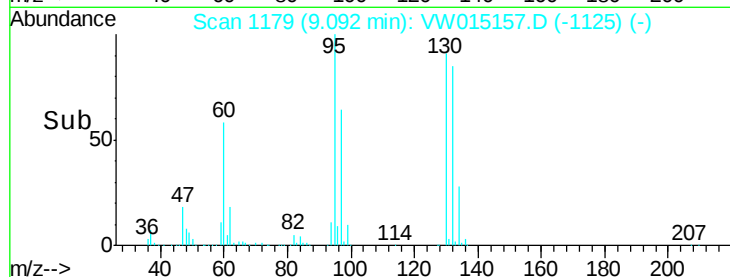
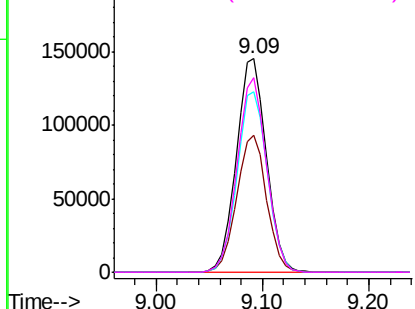
#35
 Trichloroethene
 Concen: 24.703 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW015157.D
 Acq: 07 Apr 2020 10:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02521

Tot Ion: 95 Resp: 287278
 Ion Ratio Lower Upper
 95 100
 97 63.8 43.7 81.1
 132 85.4 58.7 109.1
 130 89.0 61.3 113.9

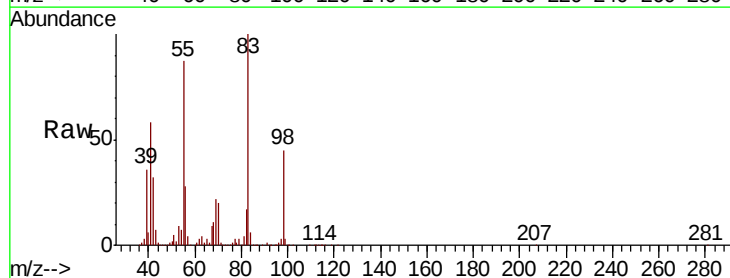


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

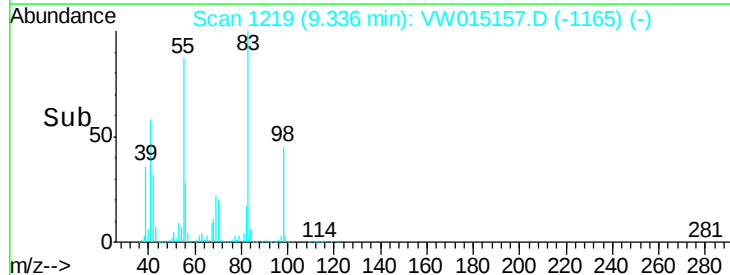
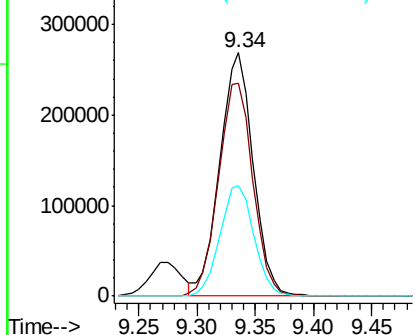


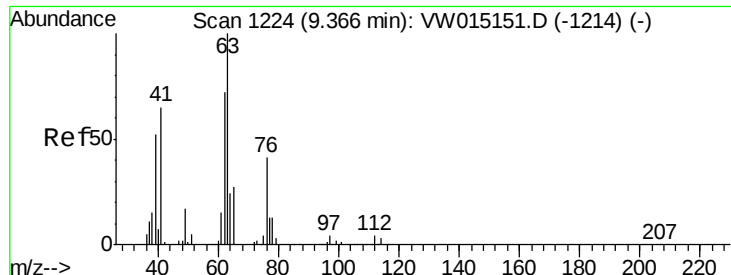
#36
 Methylcyclohexane
 Concen: 26.622 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW015157.D
 Acq: 07 Apr 2020 10:46

Tgt Ion: 83 Resp: 531884
 Ion Ratio Lower Upper
 83 100
 55 90.2 73.4 110.2
 98 46.1 36.6 55.0



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: 24.711 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW015157.D

Acq: 07 Apr 2020 10:46

Instrument :

MSVOA_W

ClientSampleId :

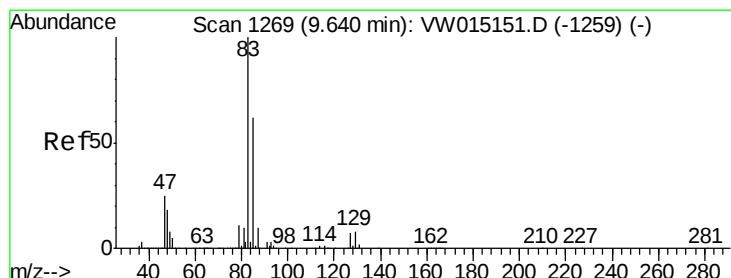
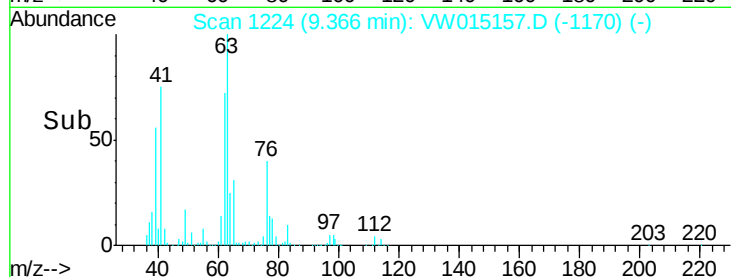
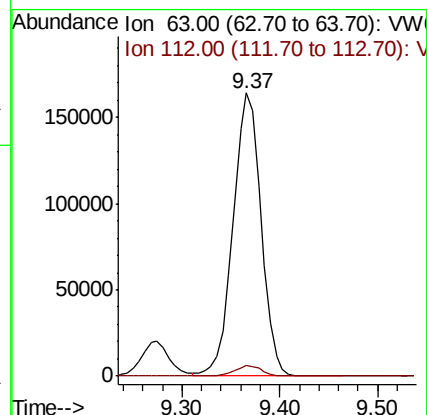
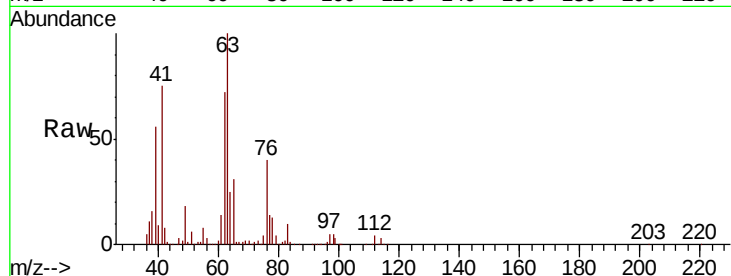
VSTD02521

Tot Ion: 63 Resp: 325549

Ion Ratio Lower Upper

63 100

112 3.6 2.9 4.3



#41

Bromodichloromethane

Concen: 25.022 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW015157.D

Acq: 07 Apr 2020 10:46

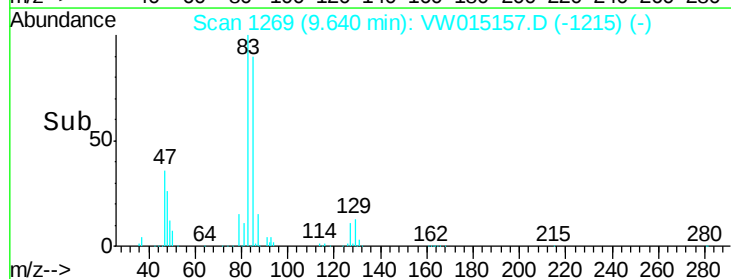
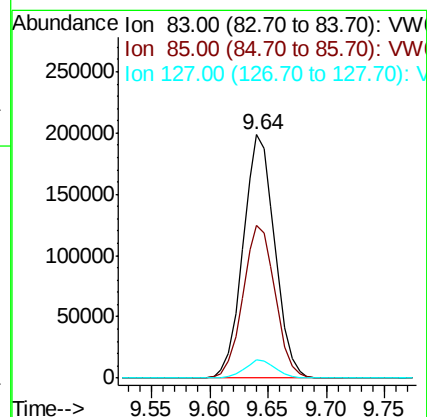
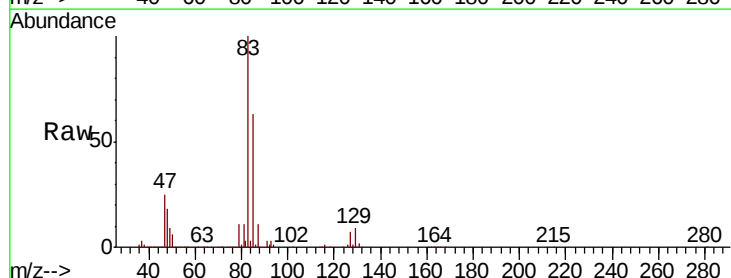
Tgt Ion: 83 Resp: 375067

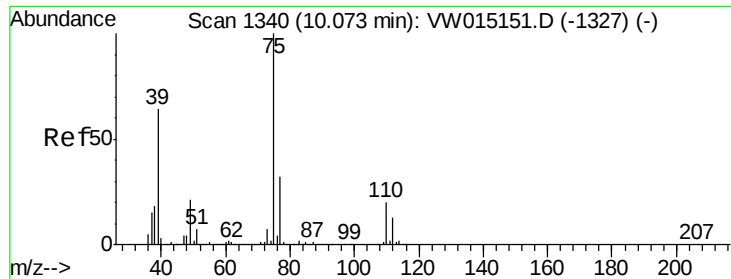
Ion Ratio Lower Upper

83 100

85 62.5 44.1 81.9

127 7.3 5.5 8.3





#42

cis-1,3-Dichloropropene

Concen: 26.255 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW015157.D

Acq: 07 Apr 2020 10:46

Instrument :

MSVOA_W

ClientSampleId :

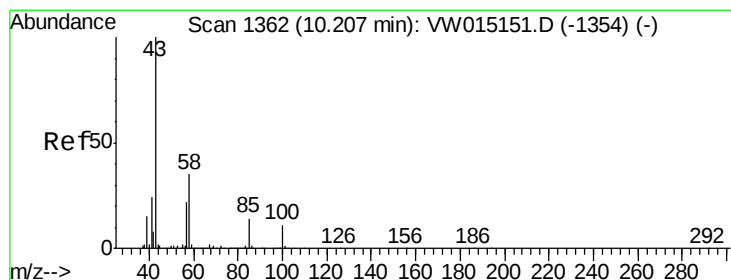
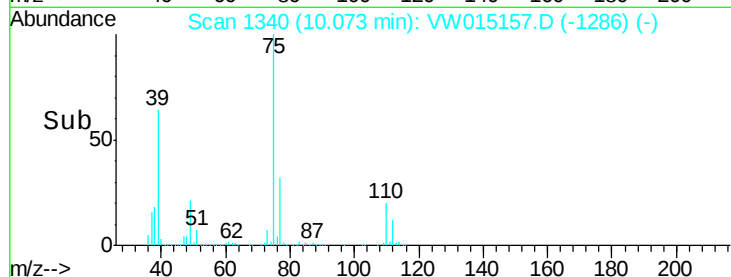
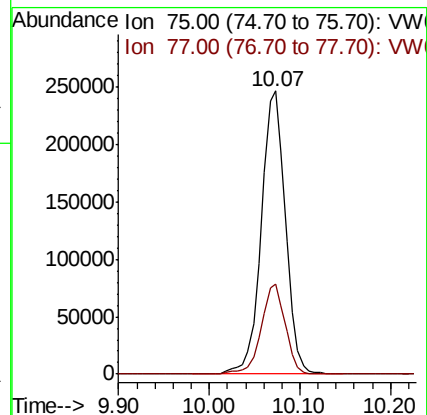
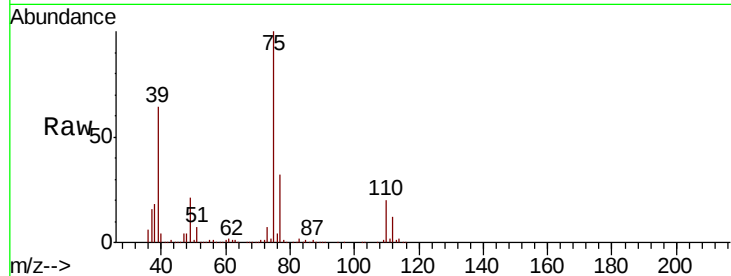
VSTD02521

Tot Ion: 75 Resp: 454479

Ion Ratio Lower Upper

75 100

77 32.1 21.4 39.8



#43

4-Methyl-2-pentanone

Concen: 56.330 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW015157.D

Acq: 07 Apr 2020 10:46

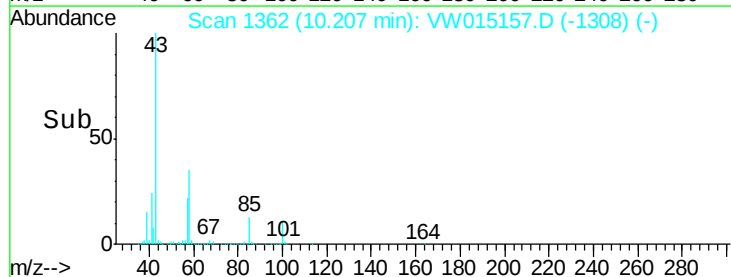
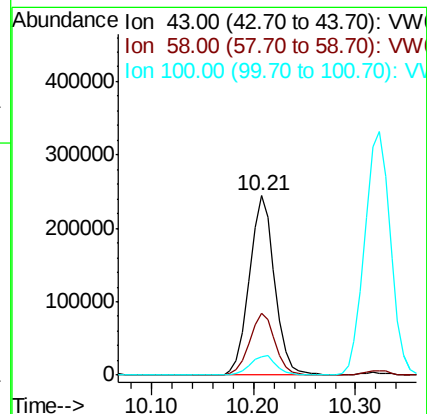
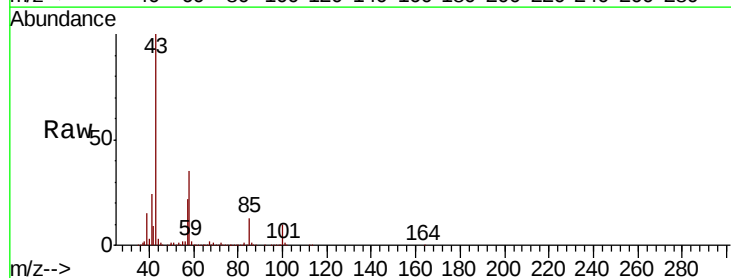
Tgt Ion: 43 Resp: 419872

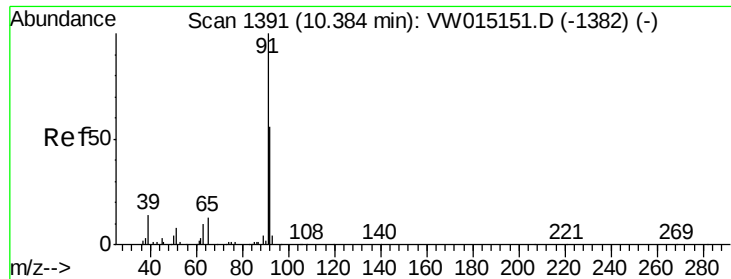
Ion Ratio Lower Upper

43 100

58 34.8 27.9 41.9

100 11.2 8.9 13.3





#44

Toluene

Concen: 25.833 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW015157.D

Acq: 07 Apr 2020 10:46

Instrument :

MSVOA_W

ClientSampleId :

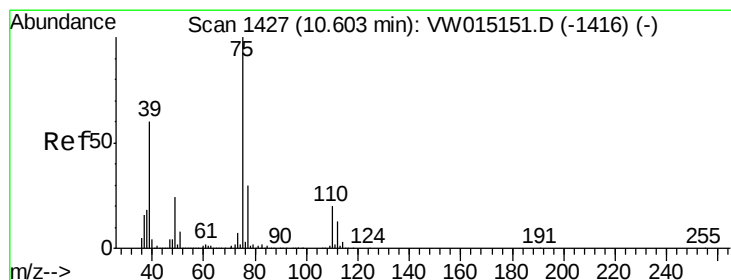
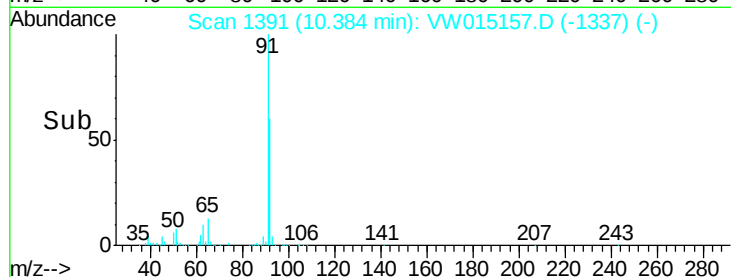
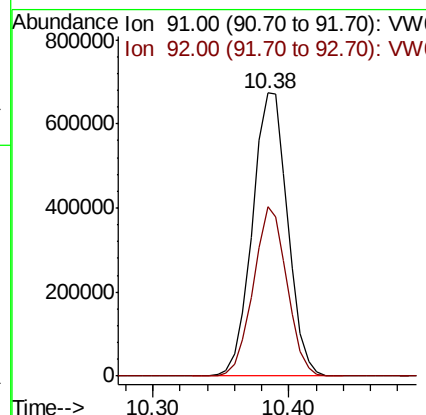
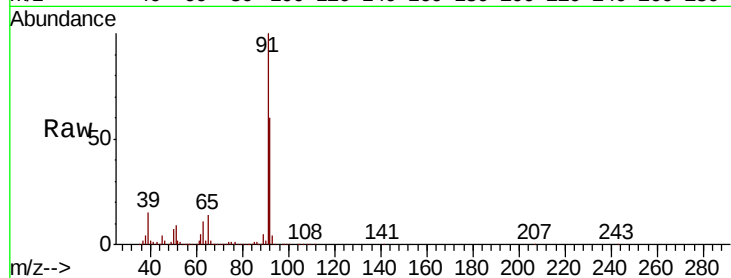
VSTD02521

Tot Ion: 91 Resp: 1220309

Ion Ratio Lower Upper

91 100

92 59.7 40.2 74.6



#45

trans-1,3-Dichloropropene

Concen: 26.485 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW015157.D

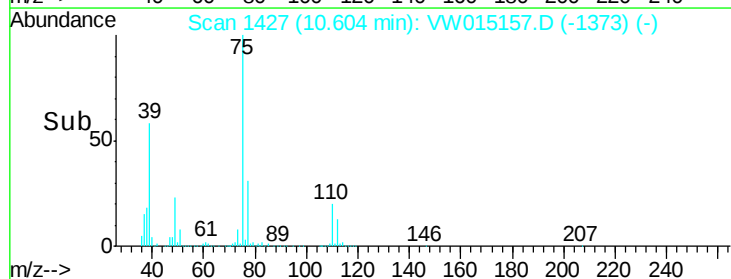
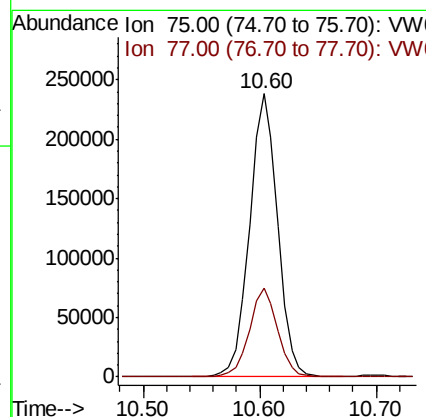
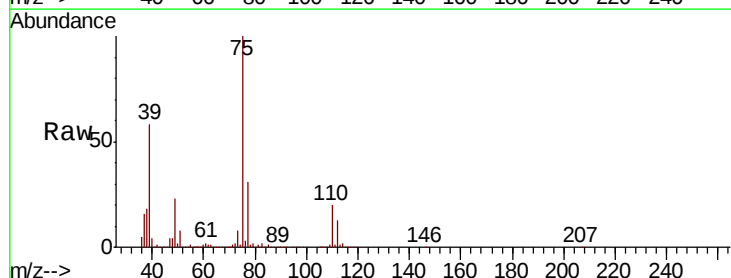
Acq: 07 Apr 2020 10:46

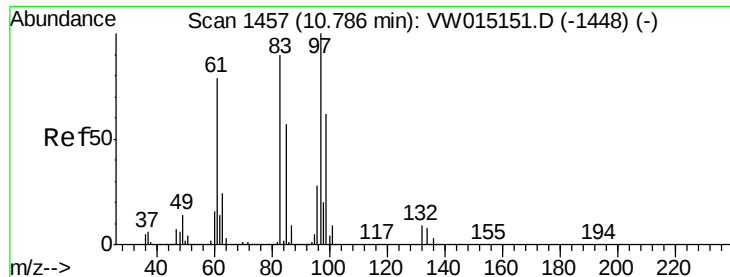
Tgt Ion: 75 Resp: 400883

Ion Ratio Lower Upper

75 100

77 31.5 21.8 40.4





#46

1,1,2-Trichloroethane

Concen: 25.164 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW015157.D

Acq: 07 Apr 2020 10:46

Instrument :

MSVOA_W

ClientSampleId :

VSTD02521

Tot Ion: 97 Resp: 194878

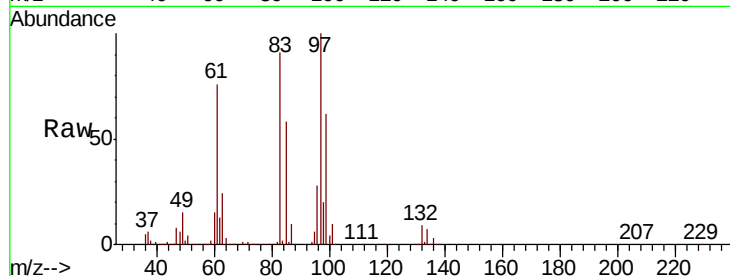
Ion Ratio Lower Upper

97 100

83 91.1 64.8 120.4

85 58.4 40.9 75.9

99 61.7 43.8 81.4

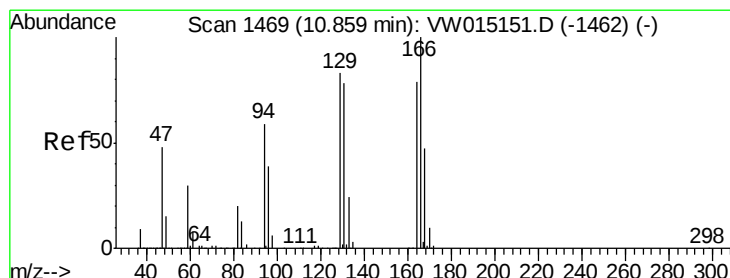
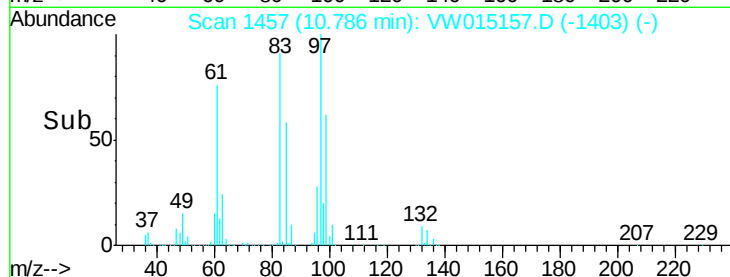
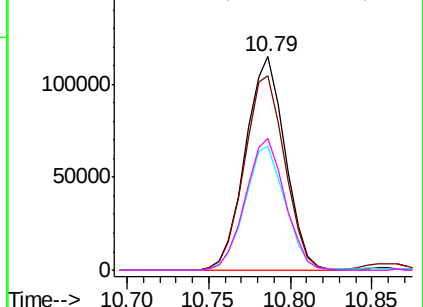


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 25.234 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW015157.D

Acq: 07 Apr 2020 10:46

Tgt Ion: 164 Resp: 189384

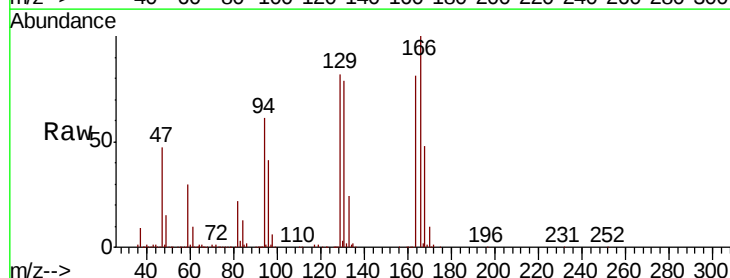
Ion Ratio Lower Upper

164 100

129 100.8 73.2 136.0

131 98.0 69.4 128.8

166 123.4 89.5 166.3

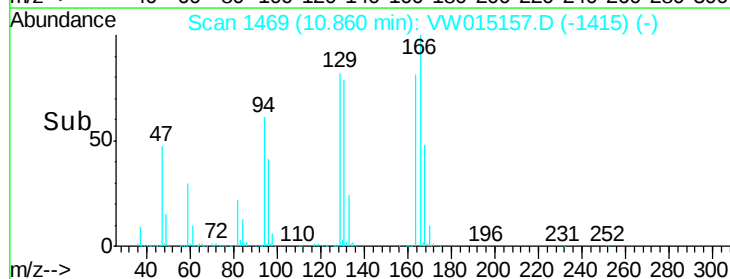
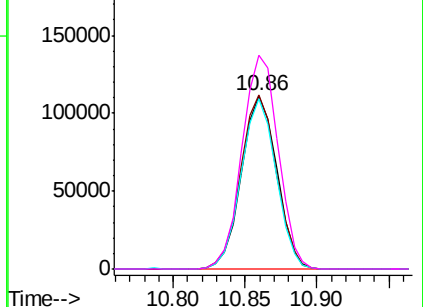


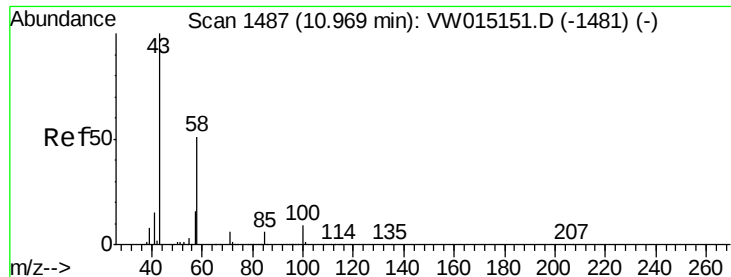
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

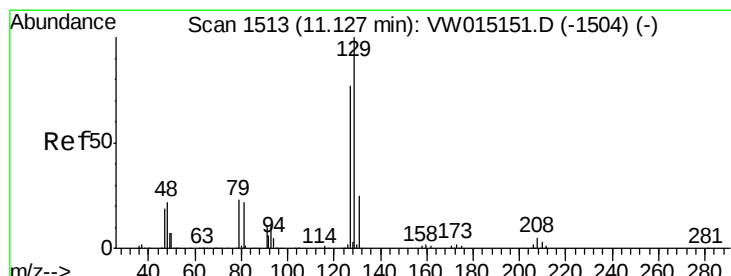
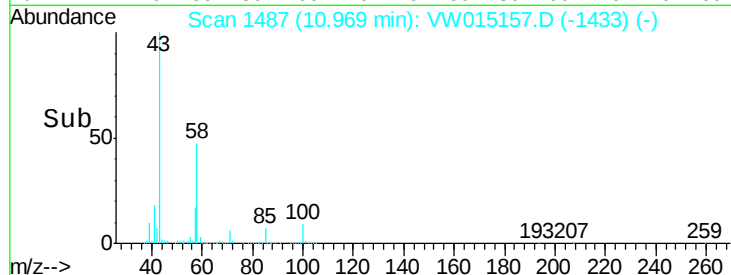
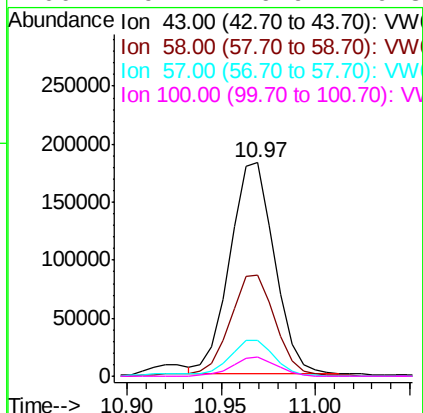
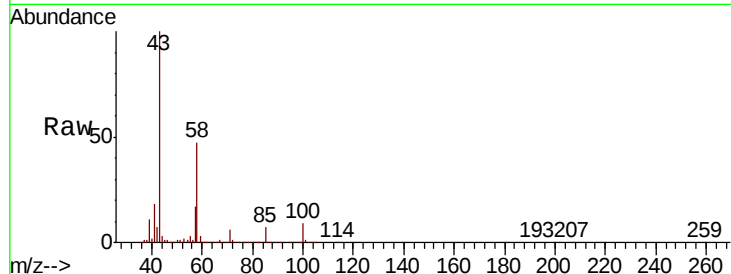




#49
2-Hexanone
Concen: 60.146 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW015157.D
Acq: 07 Apr 2020 10:46

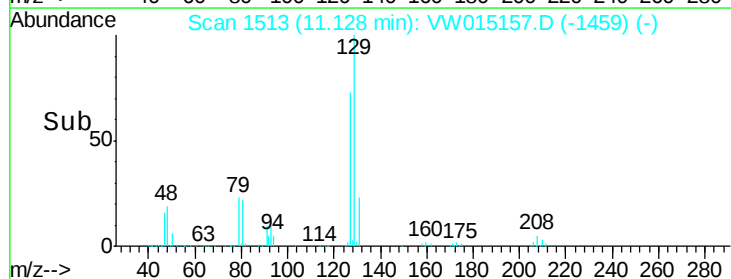
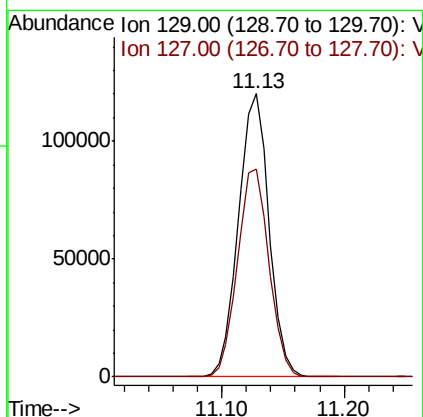
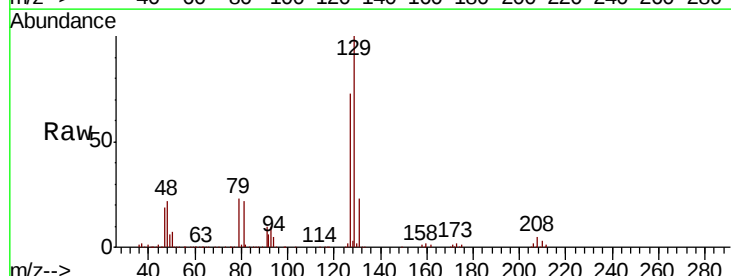
Instrument :
MSVOA_W
ClientSampleId :
VSTD02521

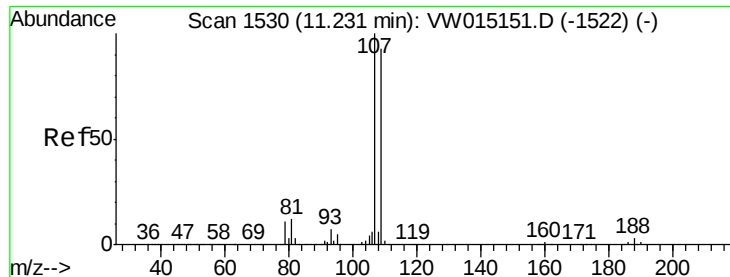
Tot Ion:	43	Resp:	298990
Ion	Ratio	Lower	Upper
43	100		
58	49.0	38.5	57.7
57	17.1	12.9	19.3
100	9.1	6.9	10.3



#50
Dibromochloromethane
Concen: 26.118 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW015157.D
Acq: 07 Apr 2020 10:46

Tgt Ion:	129	Resp:	207949
Ion	Ratio	Lower	Upper
129	100		
127	73.3	55.1	102.3

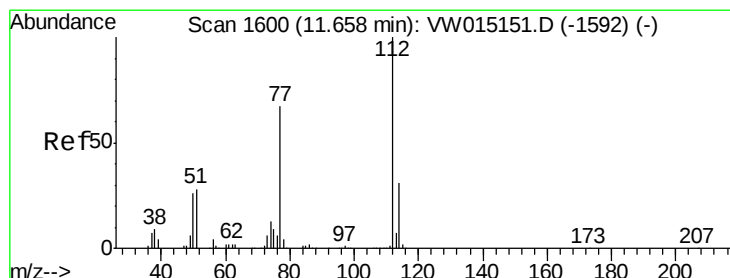
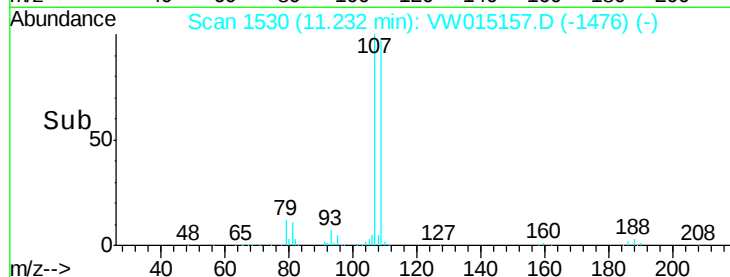
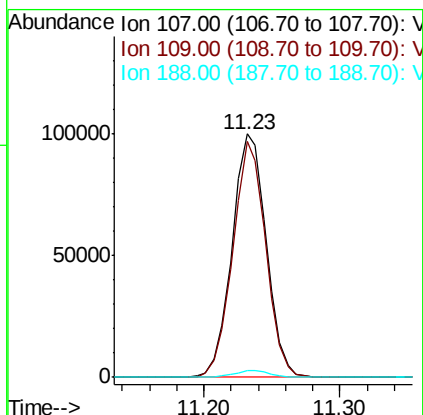
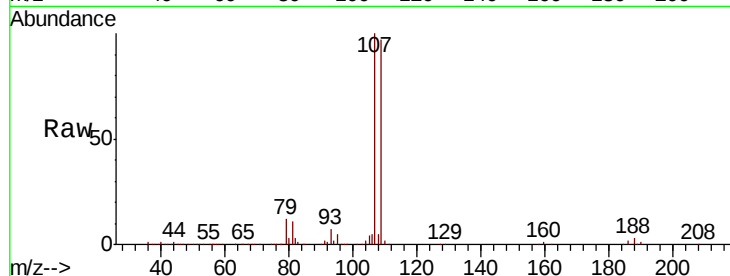




#51
1,2-Dibromoethane
Concen: 25.397 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VW015157.D
Acq: 07 Apr 2020 10:46

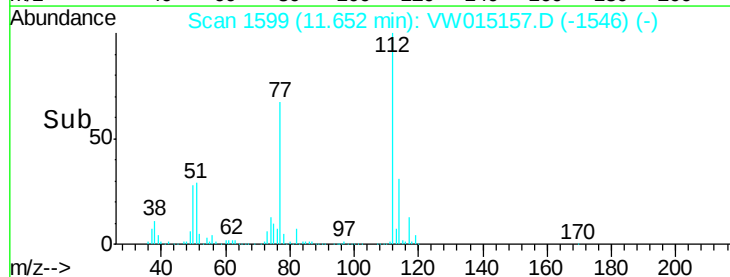
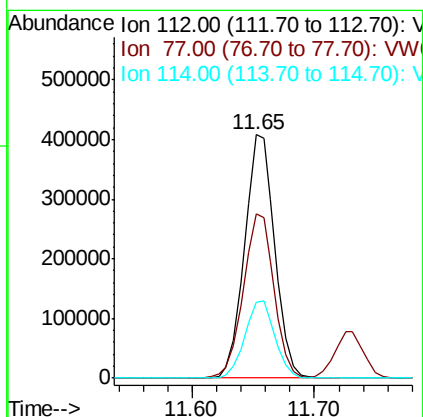
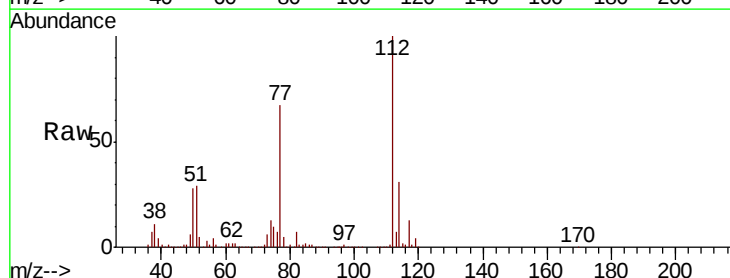
Instrument :
MSVOA_W
ClientSampleId :
VSTD02521

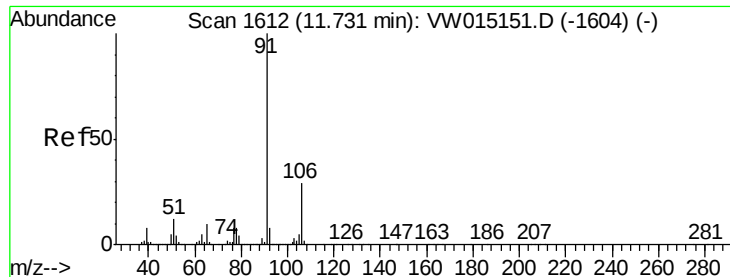
Tot Ion	Ratio	Lower	Upper
107	100		
109	97.1	65.9	122.5
188	3.0	2.3	3.5



#52
Chlorobenzene
Concen: 25.251 ug/L
RT: 11.65 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VW015157.D
Acq: 07 Apr 2020 10:46

Tgt Ion	Ratio	Lower	Upper
112	100		
77	67.5	53.5	80.3
114	31.1	22.0	40.8





#53

Ethylbenzene

Concen: 26.715 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW015157.D

Acq: 07 Apr 2020 10:46

Instrument :

MSVOA_W

ClientSampleId :

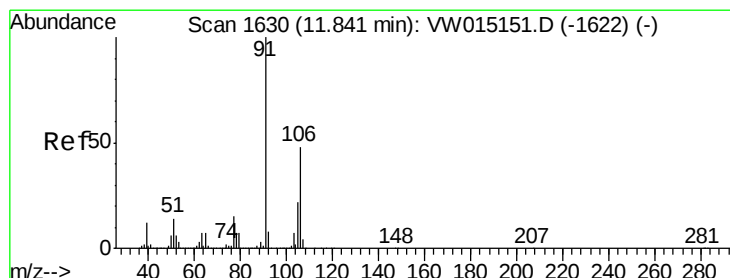
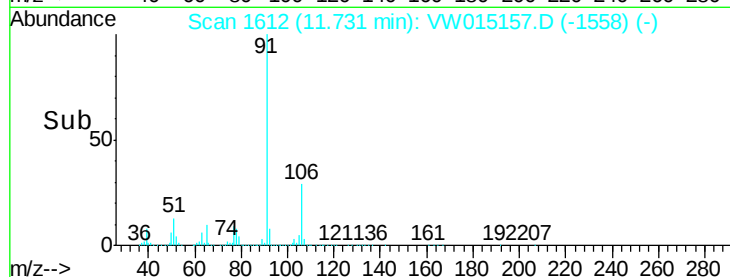
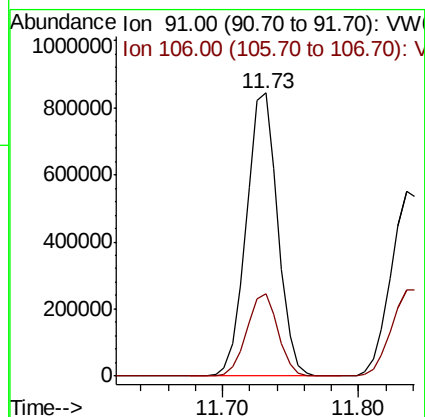
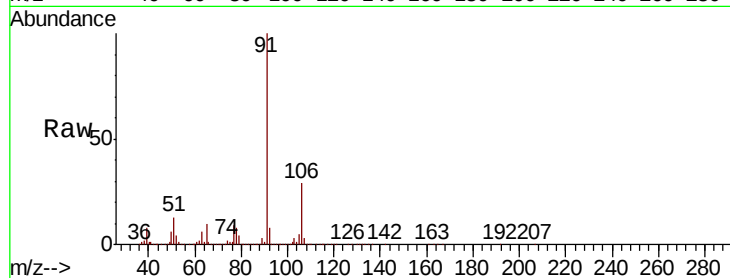
VSTD02521

Tot Ion: 91 Resp: 1363085

Ion Ratio Lower Upper

91 100

106 29.0 20.6 38.2



#54

m,p-Xylene

Concen: 27.027 ug/L

RT: 11.84 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW015157.D

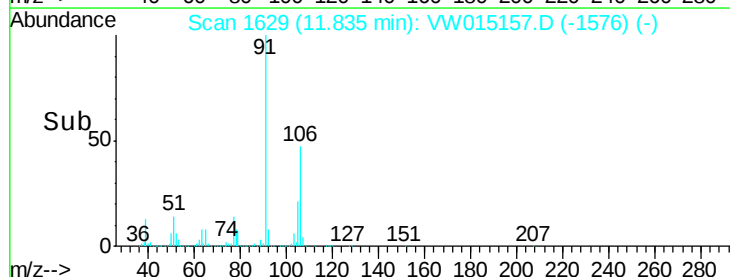
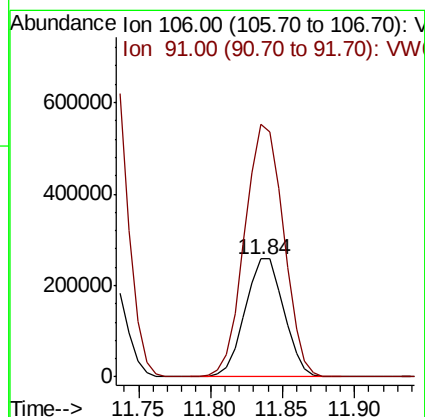
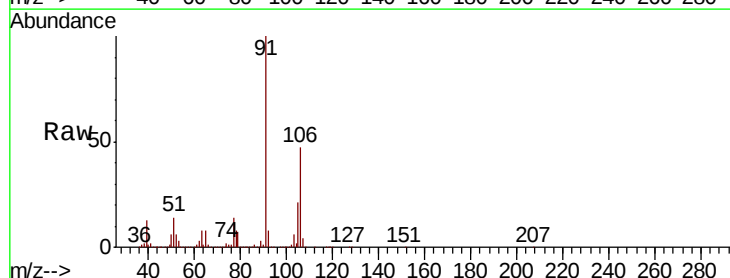
Acq: 07 Apr 2020 10:46

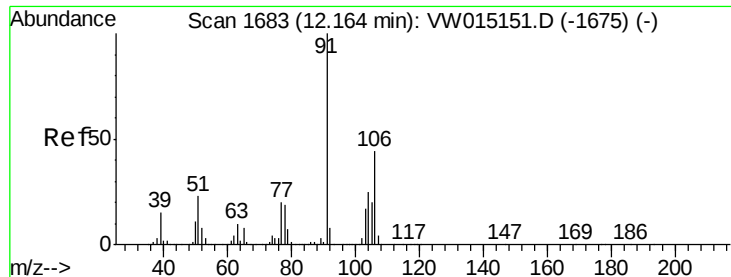
Tgt Ion: 106 Resp: 483447

Ion Ratio Lower Upper

106 100

91 213.7 147.3 273.6





#55

o-xylene

Concen: 26.847 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW015157.D

Acq: 07 Apr 2020 10:46

Instrument :

MSVOA_W

ClientSampleID :

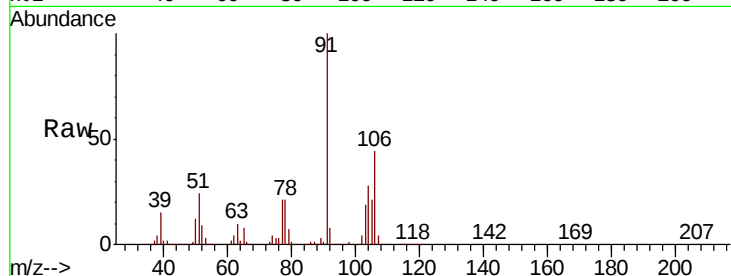
VSTD02521

Tot Ion:106 Resp: 450212

Ion Ratio Lower Upper

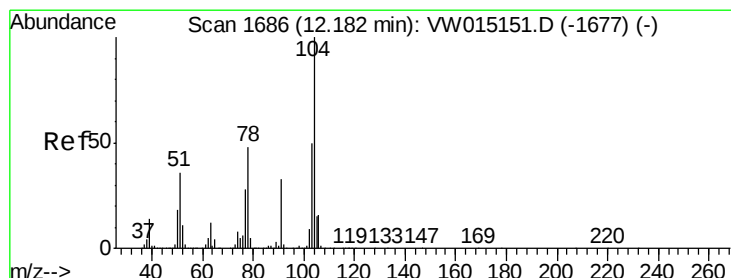
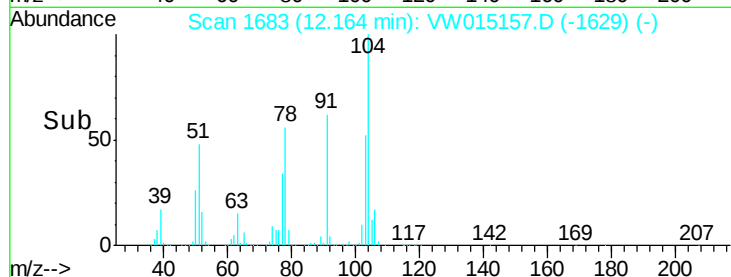
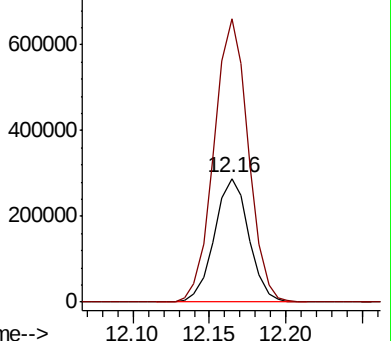
106 100

91 229.2 158.6 294.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 27.339 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VW015157.D

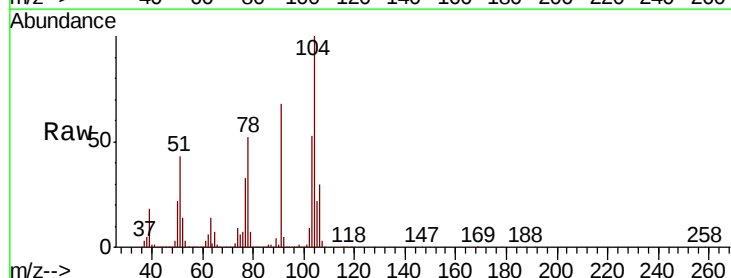
Acq: 07 Apr 2020 10:46

Tgt Ion:104 Resp: 780284

Ion Ratio Lower Upper

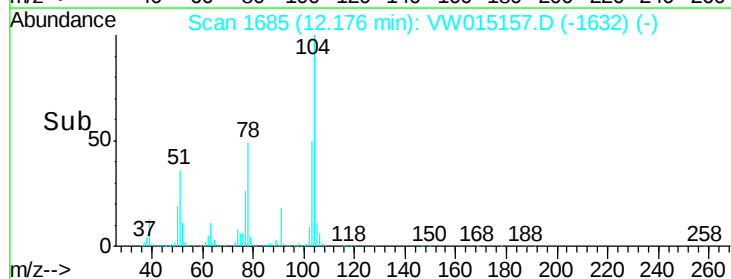
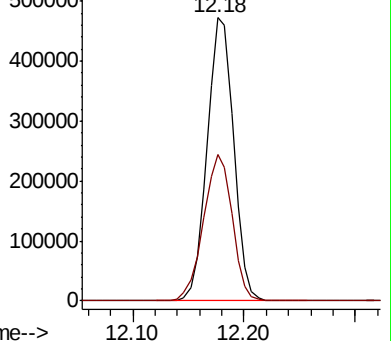
104 100

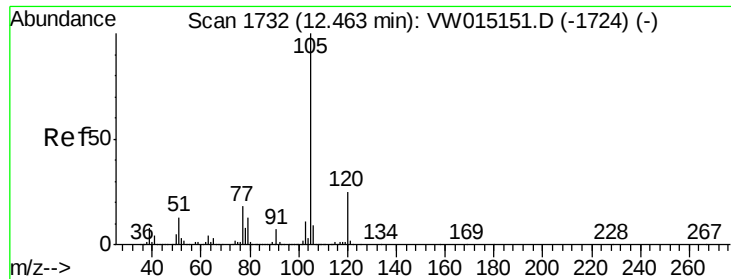
78 51.8 33.9 63.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 27.679 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015157.D

Acq: 07 Apr 2020 10:46

Instrument :

MSVOA_W

ClientSampled :

VSTD02521

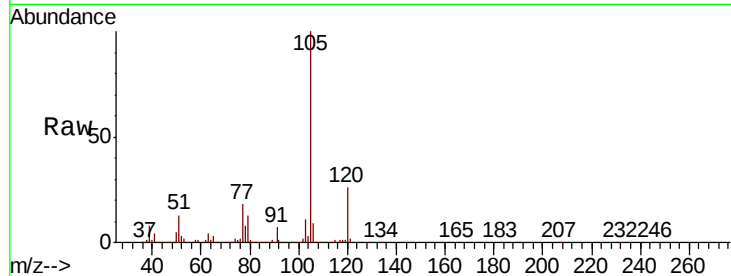
Tot Ion:105 Resp: 1278846

Ion Ratio Lower Upper

105 100

120 24.8 20.0 30.0

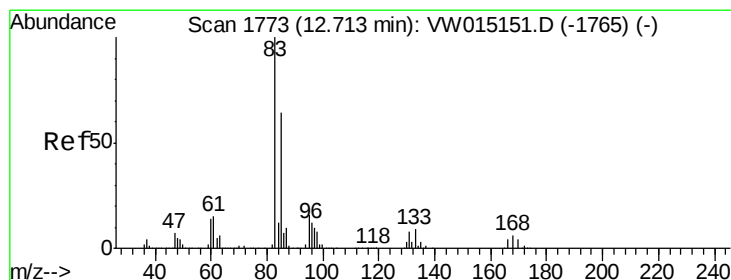
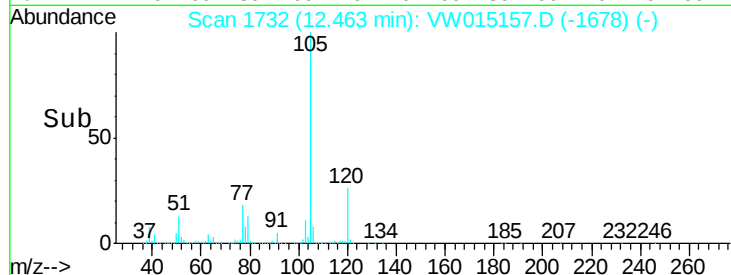
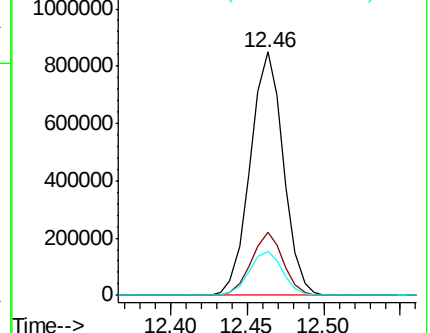
77 18.1 14.5 21.7



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: 25.863 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015157.D

Acq: 07 Apr 2020 10:46

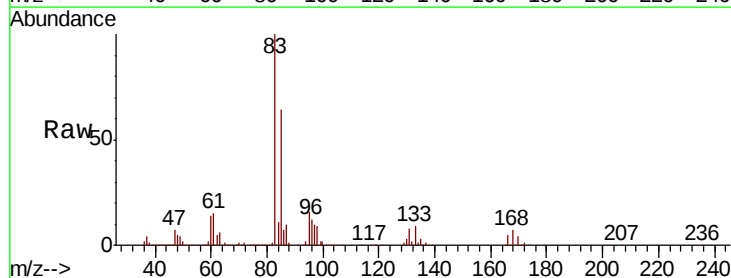
Tgt Ion: 83 Resp: 250687

Ion Ratio Lower Upper

83 100

85 63.9 44.1 81.9

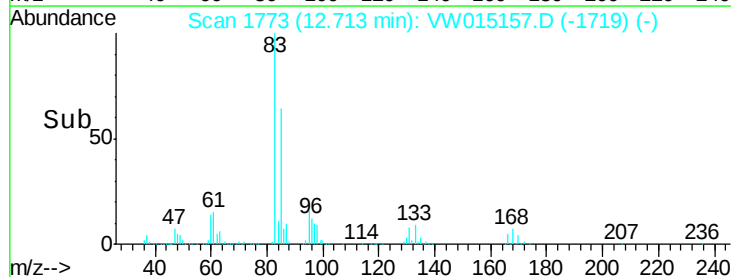
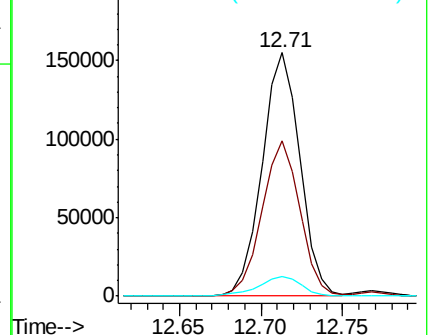
131 8.0 5.9 8.9

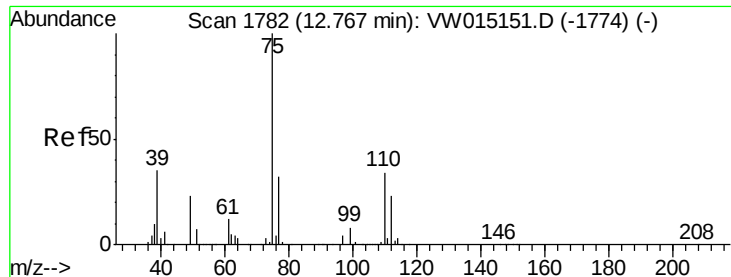


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 26.235 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW015157.D

Acq: 07 Apr 2020 10:46

Instrument :

MSVOA_W

ClientSampleId :

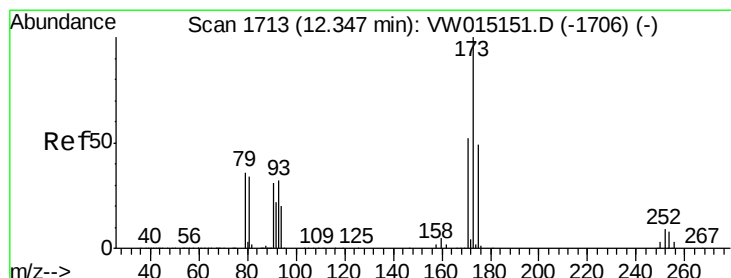
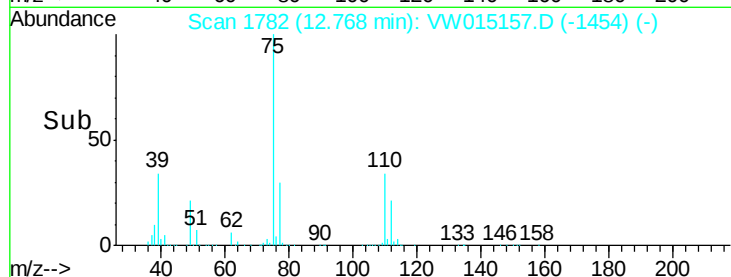
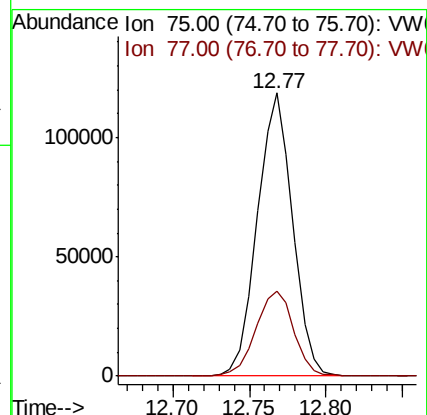
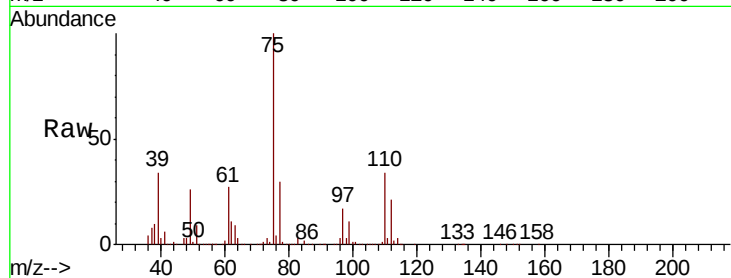
VSTD02521

Tot Ion: 75 Resp: 190206

Ion Ratio Lower Upper

75 100

77 32.1 25.8 38.6



#62

Bromoform

Concen: 24.991 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW015157.D

Acq: 07 Apr 2020 10:46

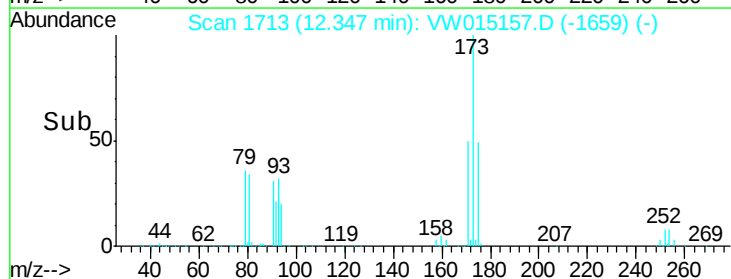
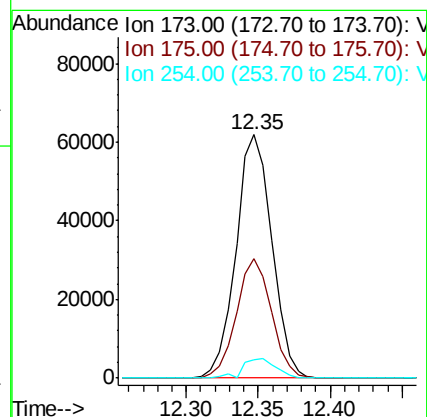
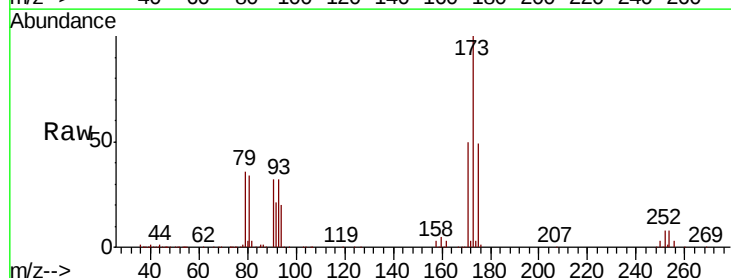
Tgt Ion: 173 Resp: 107343

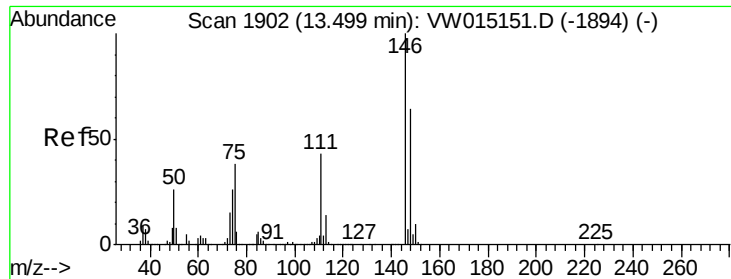
Ion Ratio Lower Upper

173 100

175 47.8 38.0 57.0

254 6.9 6.5 9.7

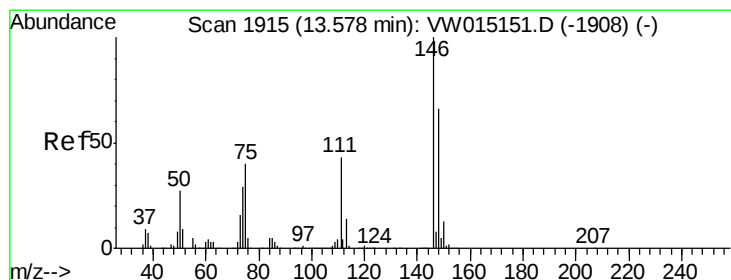
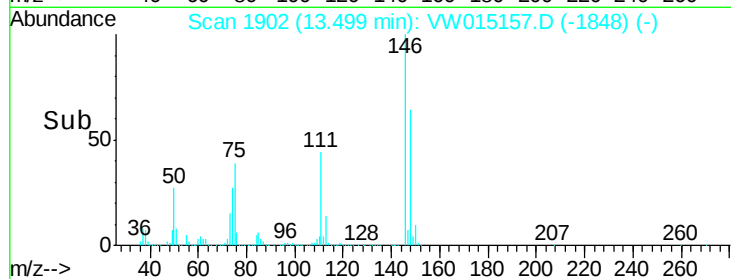
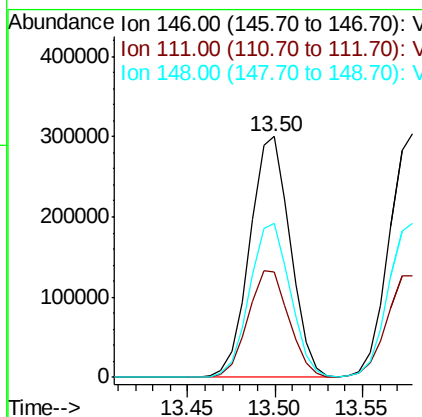
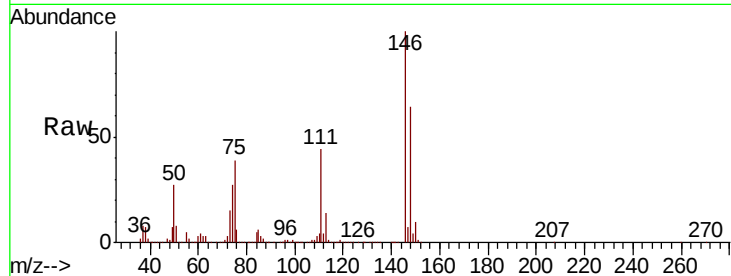




#63
 1,3-Dichlorobenzene
 Concen: 24.957 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015157.D
 Acq: 07 Apr 2020 10:46

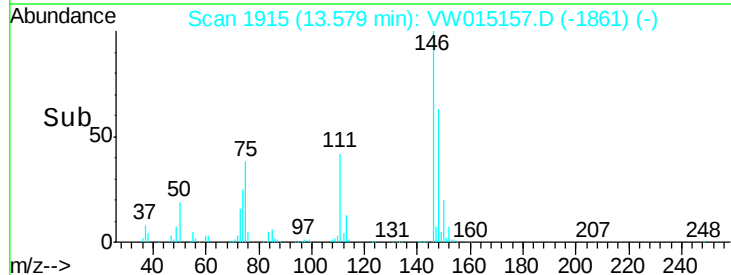
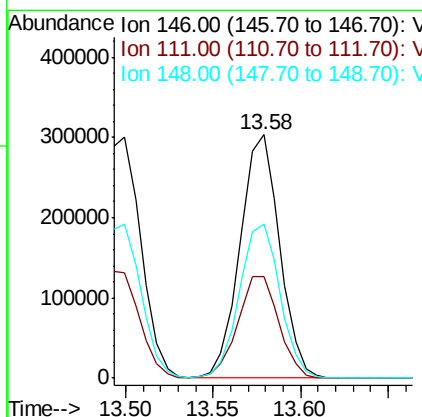
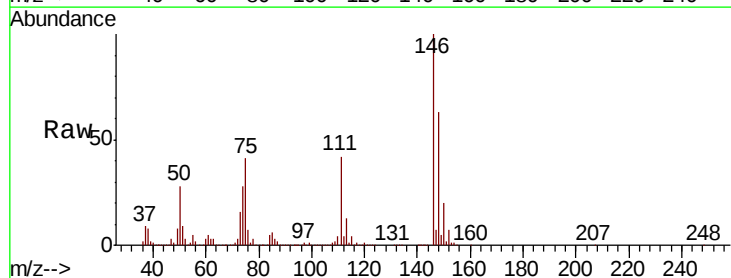
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02521

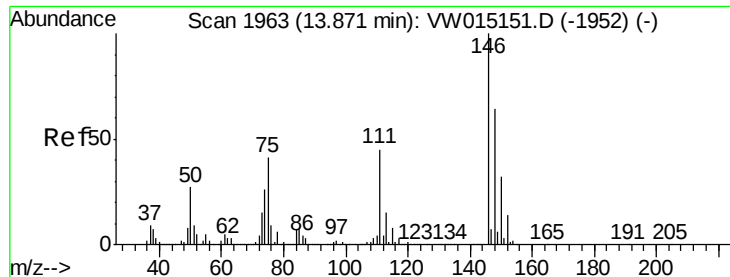
Tot Ion:146 Resp: 483245
 Ion Ratio Lower Upper
 146 100
 111 43.7 31.9 59.2
 148 63.9 45.2 84.0



#64
 1,4-Dichlorobenzene
 Concen: 24.095 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015157.D
 Acq: 07 Apr 2020 10:46

Tgt Ion:146 Resp: 477360
 Ion Ratio Lower Upper
 146 100
 111 41.8 28.8 53.4
 148 63.5 44.0 81.6





#65

1,2-Dichlorobenzene

Concen: 25.132 ug/L

RT: 13.87 min Scan# 1962

Delta R.T. -0.01 min

Lab File: VW015157.D

Acq: 07 Apr 2020 10:46

Instrument :

MSVOA_W

ClientSampleId :

VSTD02521

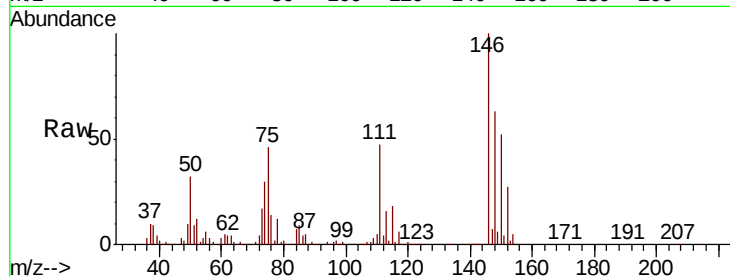
Tot Ion:146 Resp: 442871

Ion Ratio Lower Upper

146 100

111 46.9 35.8 53.8

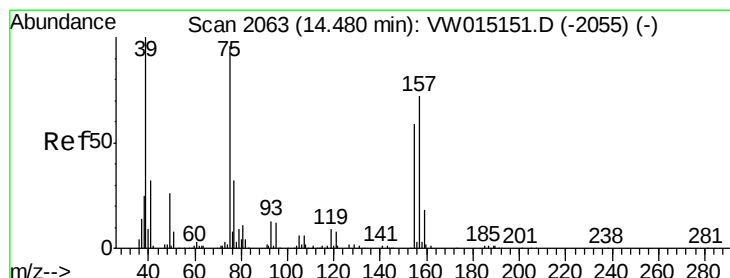
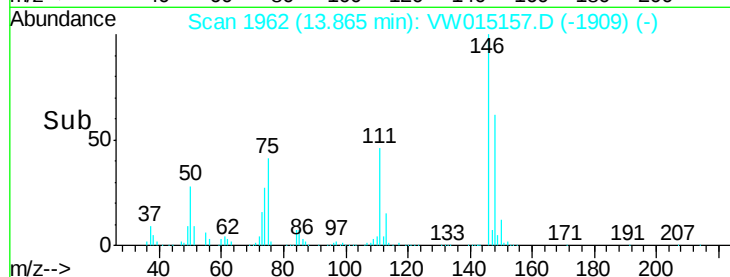
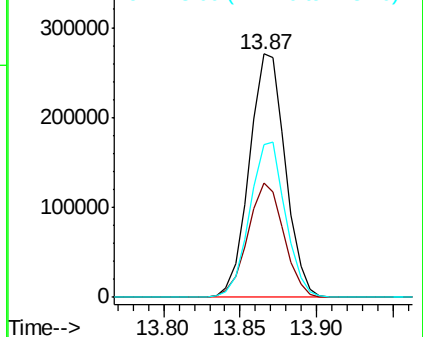
148 62.6 52.3 78.5



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: 23.967 ug/L

RT: 14.48 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VW015157.D

Acq: 07 Apr 2020 10:46

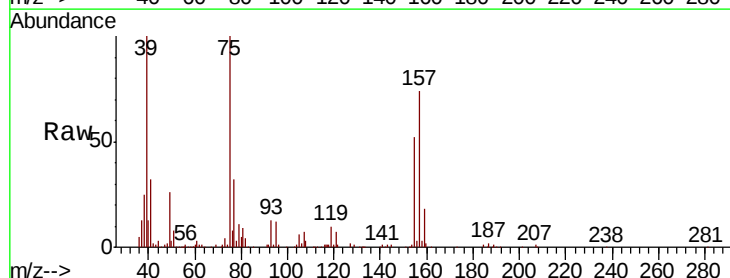
Tgt Ion: 75 Resp: 40231

Ion Ratio Lower Upper

75 100

157 74.2 57.3 85.9

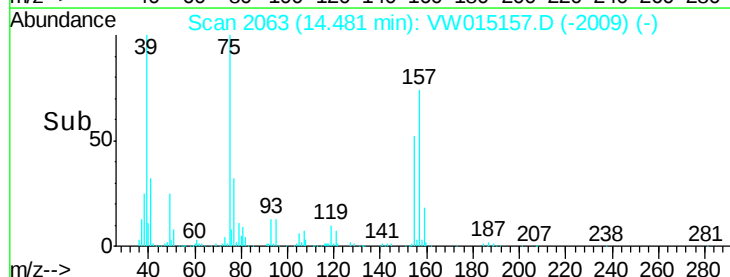
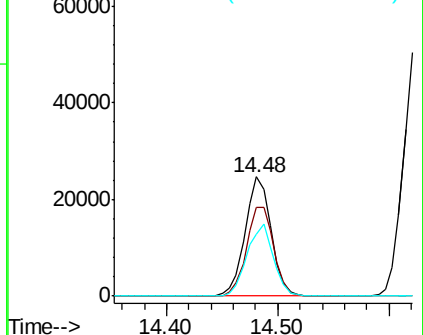
155 52.4 43.2 64.8

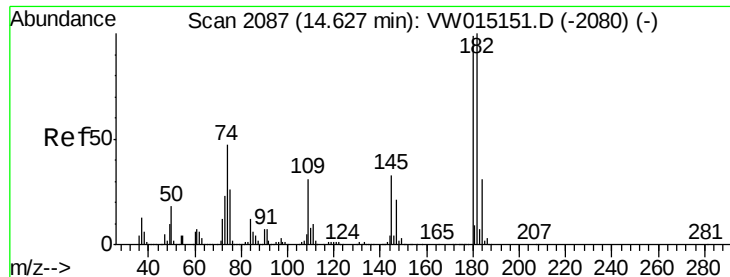


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

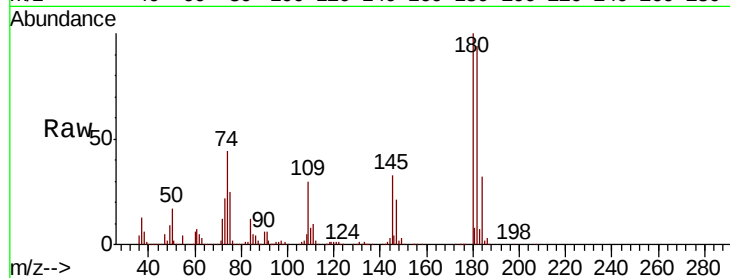




#67
 1,3,5-Trichlorobenzene
 Concen: 26.001 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW015157.D
 Acq: 07 Apr 2020 10:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02521

Tot Ion	Ratio	Resp	Lower	Upper
180	100	324122		
182	93.8		77.0	115.6
184	30.5		24.0	36.0
145	32.4		25.4	38.2



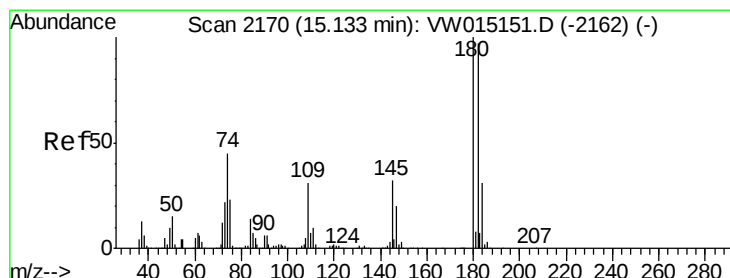
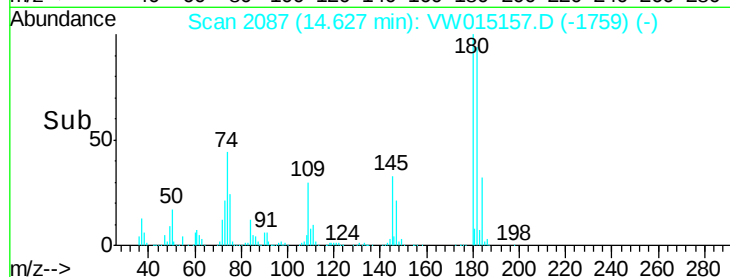
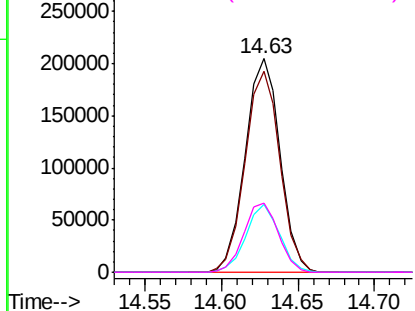
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

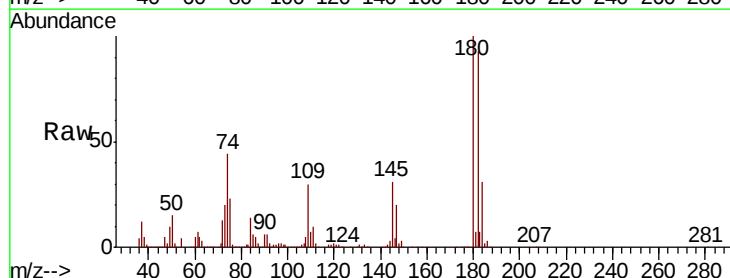
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 27.409 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015157.D
 Acq: 07 Apr 2020 10:46

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	257527		
182	93.6		75.8	113.6
145	31.8		25.8	38.6

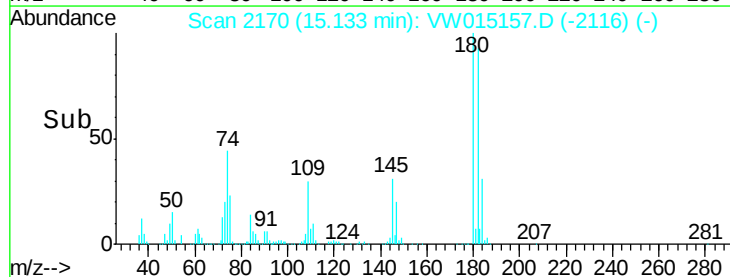
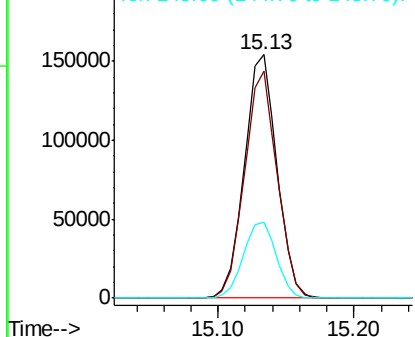


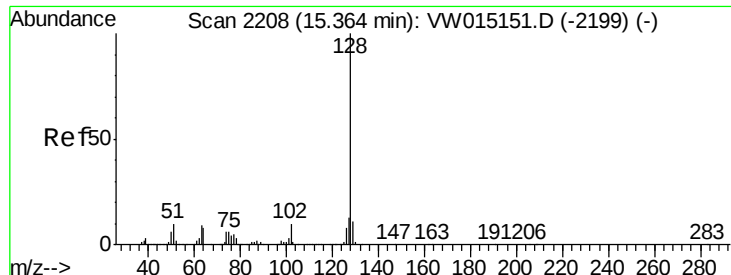
Abundance

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: 29.150 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW015157.D

Acq: 07 Apr 2020 10:46

Instrument :

MSVOA_W

ClientSampleId :

VSTD02521

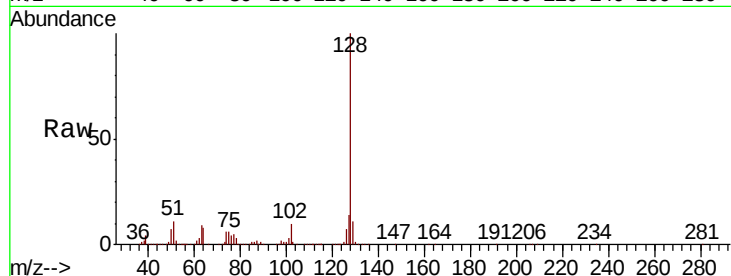
Tot Ion:128 Resp: 532532

Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

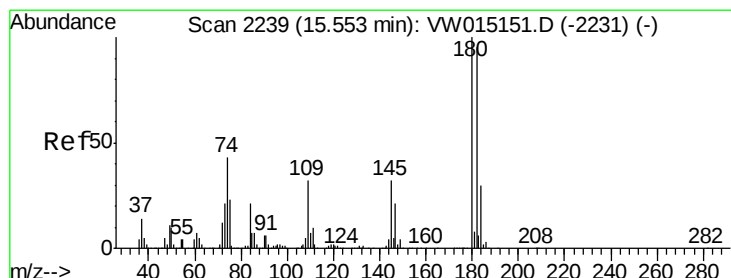
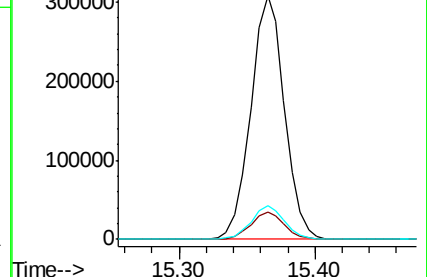
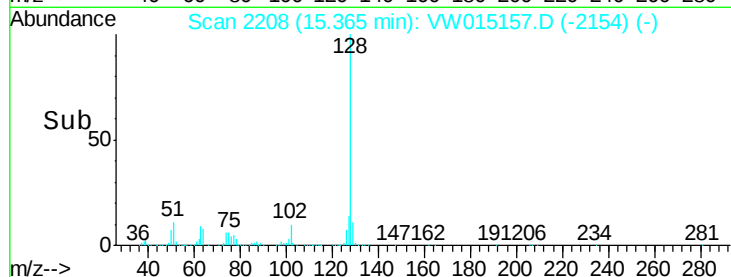
127 13.6 11.0 16.4



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: 27.397 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW015157.D

Acq: 07 Apr 2020 10:46

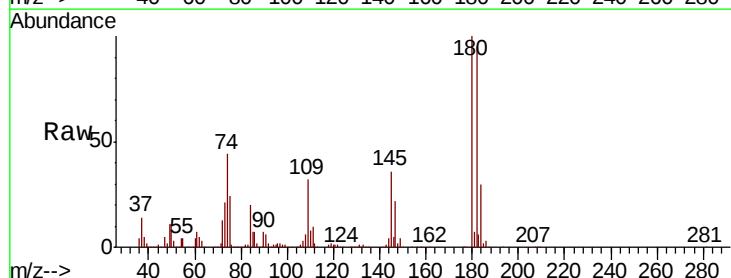
Tgt Ion:180 Resp: 239212

Ion Ratio Lower Upper

180 100

182 94.4 75.9 113.9

145 35.1 27.6 41.4



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

