

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW040320\
 Data File : VW015151.D
 Acq On : 03 Apr 2020 09:55
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02519

Quant Time: Apr 03 23:38:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Mar 30 04:26:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	762650	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	686363	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	305625	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	292746	22.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.92%
7) Chloroethane-d5	2.89	69	258658	23.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.28%
10) 1,1-Dichloroethene-d2	4.03	63	619283	23.39	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.56%
20) 2-Butanone-d5	7.08	46	149941	50.01	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.02%
24) Chloroform-d	7.65	84	546529	23.98	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.92%
26) 1,2-Dichloroethane-d4	8.30	65	311083	23.57	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.28%
29) Benzene-d6	8.27	84	1075760	24.49	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.96%
33) 1,2-Dichloropropane-d6	9.27	67	352558	24.16	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.64%
37) Toluene-d8	10.32	98	953224	25.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.84%
38) trans-1,3-Dichloropropene-	10.57	79	138030	24.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.84%
39) 2-Hexanone-d5	10.93	63	107697	49.97	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.94%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	237980	23.84	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.36%
61) 1,2-Dichlorobenzene-d4	13.85	152	260745	24.52	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.08%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	158835	26.769	ug/L	89
3) Chloromethane	2.22	50	229371	20.905	ug/L	100
5) Vinyl chloride	2.37	62	348206	22.778	ug/L	98
6) Bromomethane	2.78	94	207267	24.563	ug/L	100
8) Chloroethane	2.93	64	212197	22.801	ug/L	99
9) Trichlorofluoromethane	3.26	101	204686	23.923	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	286387	24.059	ug/L	99
12) 1,1-Dichloroethene	4.04	96	266970	23.634	ug/L	94
13) Acetone	4.13	43	144819	54.125	ug/L	97
14) Carbon disulfide	4.38	76	955749	22.746	ug/L	100
15) Methyl Acetate	4.68	43	142504	22.546	ug/L	99
16) Methylene chloride	4.92	84	292478	22.437	ug/L	95
17) Methyl tert-butyl Ether	5.43	73	357325	24.361	ug/L	99
18) trans-1,2-Dichloroethene	5.43	96	281932	24.012	ug/L	97
19) 1,1-Dichloroethane	6.22	63	600408	23.864	ug/L	97
21) 2-Butanone	7.17	43	188130	49.642	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	288625	24.754	ug/L	99

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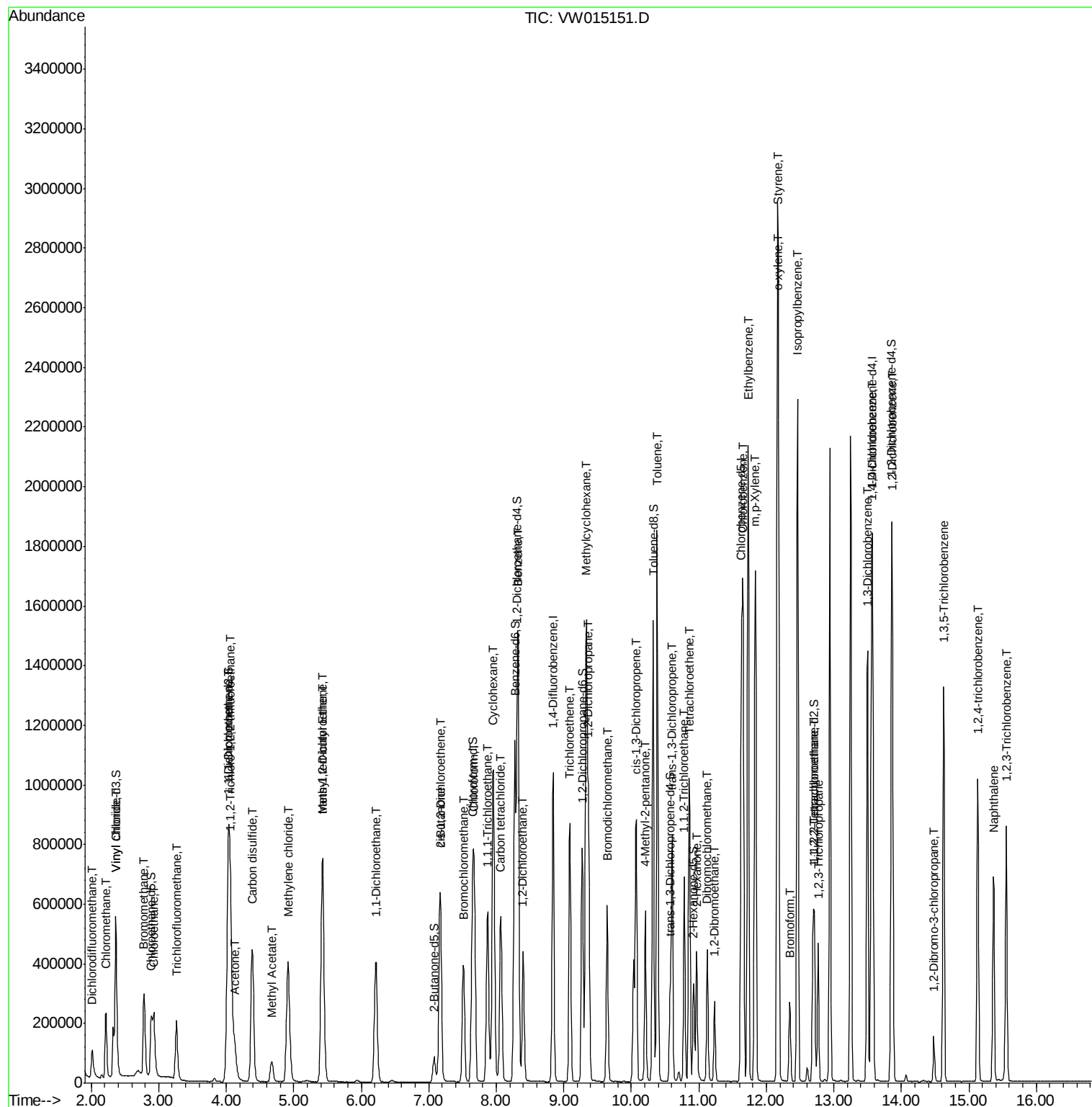
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	114361	23.890	ug/L	95
25) Chloroform	7.68	83	542253	23.857	ug/L	99
27) 1,2-Dichloroethane	8.40	62	389023	23.832	ug/L	99
30) Cyclohexane	7.96	56	584729	26.110	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	439461	24.372	ug/L	100
32) Carbon tetrachloride	8.07	117	384592	24.584	ug/L	100
34) Benzene	8.32	78	1246143	24.542	ug/L	100
35) Trichloroethene	9.09	95	299815	24.255	ug/L	98
36) Methylcyclohexane	9.34	83	548903	25.848	ug/L	99
40) 1,2-Dichloropropane	9.37	63	333471	23.814	ug/L	100
41) Bromodichloromethane	9.64	83	388125	24.361	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	465321	25.291	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	390405	49.278	ug/L	99
44) Toluene	10.38	91	1274226	25.378	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	410239	25.499	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	197895	24.041	ug/L	98
47) Tetrachloroethene	10.86	164	197123	24.711	ug/L	99
49) 2-Hexanone	10.97	43	292209	55.304	ug/L	99
50) Dibromochloromethane	11.13	129	209320	24.735	ug/L	98
51) 1,2-Dibromoethane	11.23	107	175856	24.123	ug/L	99
52) Chlorobenzene	11.66	112	717784	24.458	ug/L	100
53) Ethylbenzene	11.73	91	1408966	25.980	ug/L	99
54) m,p-Xylene	11.84	106	501515	26.378	ug/L	100
55) o-xylene	12.16	106	468414	26.280	ug/L	98
56) Styrene	12.18	104	807017	26.603	ug/L	99
57) Isopropylbenzene	12.46	105	1328783	27.058	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	245349	23.815	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	180376	23.407	ug/L	100
62) Bromoform	12.35	173	102765	23.129	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	504185	25.171	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	500245	24.410	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	454965	24.959	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.48	75	38292	22.053	ug/L	93
67) 1,3,5-Trichlorobenzene	14.63	180	335310	26.003	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	269981	27.778	ug/L	99
69) Naphthalene	15.36	128	523671	27.711	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	241920	26.785	ug/L	99

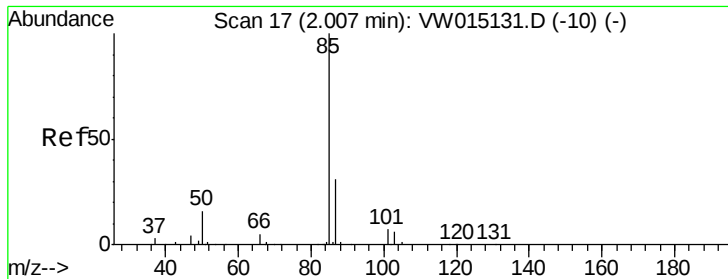
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 26.769 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW015151.D

Acq: 03 Apr 2020 09:55

Instrument :

MSVOA_W

ClientSampleId :

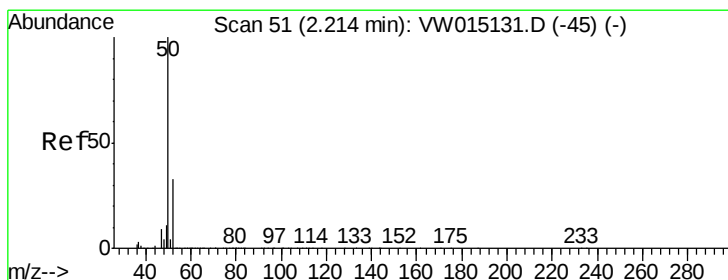
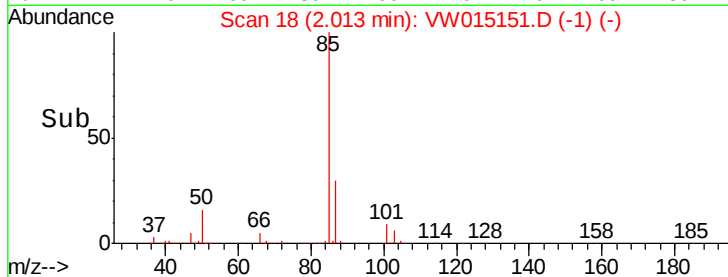
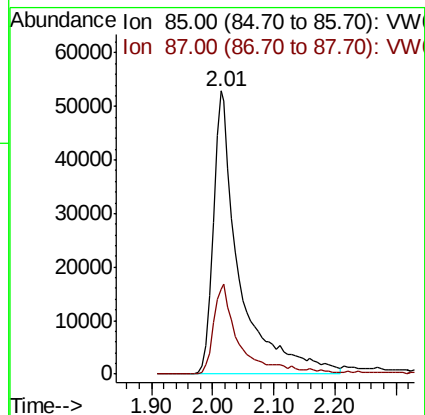
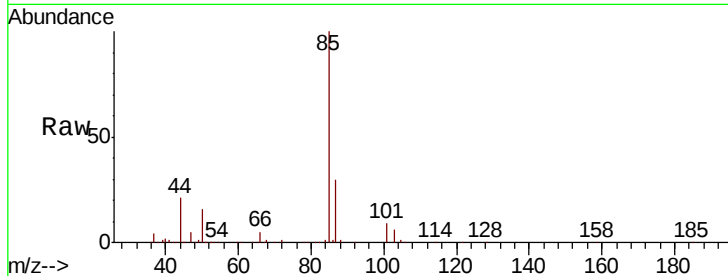
VSTD02519

Tot Ion: 85 Resp: 158835

Ion Ratio Lower Upper

85 100

87 27.3 23.4 43.6



#3

Chloromethane

Concen: 20.905 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW015151.D

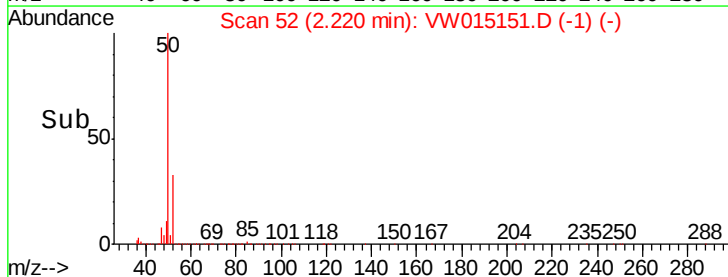
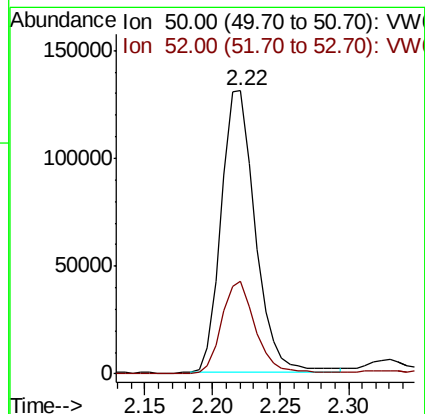
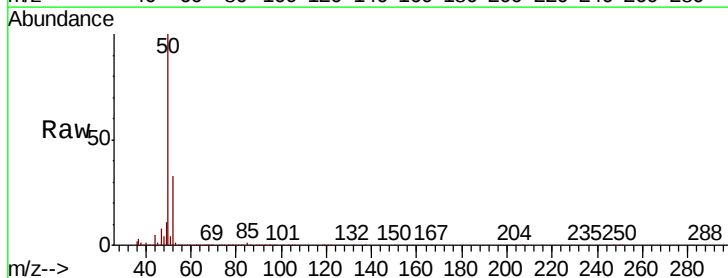
Acq: 03 Apr 2020 09:55

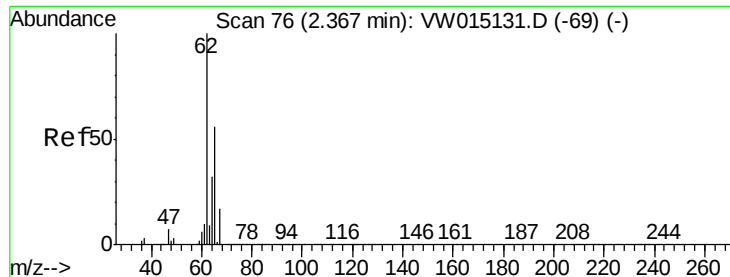
Tgt Ion: 50 Resp: 229371

Ion Ratio Lower Upper

50 100

52 32.8 23.0 42.8





#5

Vinyl chloride

Concen: 22.778 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW015151.D

Acq: 03 Apr 2020 09:55

Instrument :

MSVOA_W

ClientSampleId :

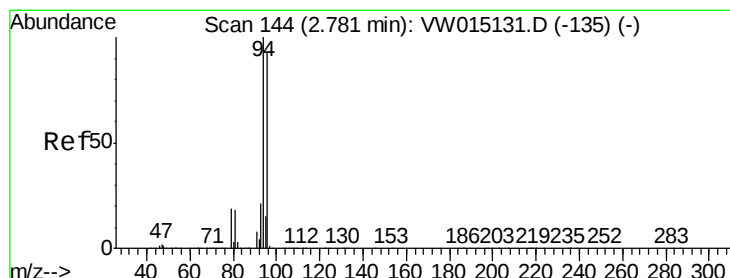
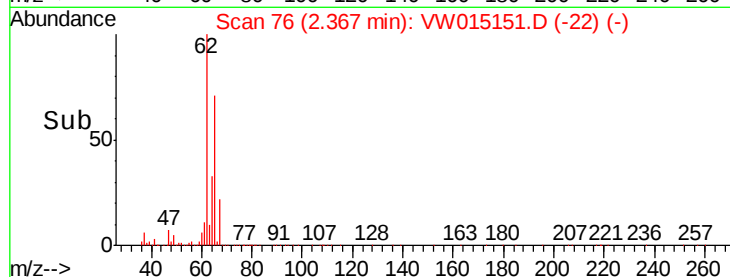
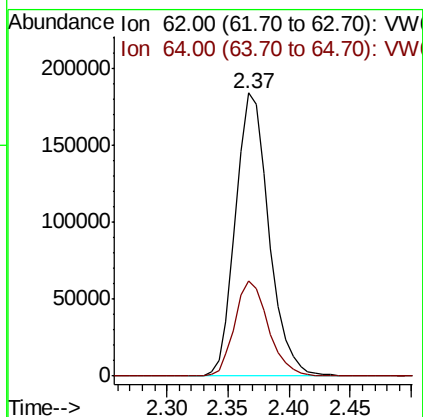
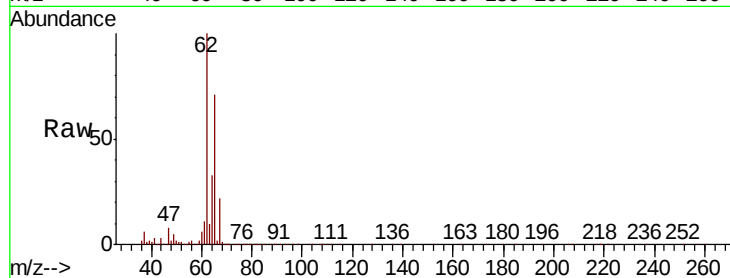
VSTD02519

Tot Ion: 62 Resp: 348206

Ion Ratio Lower Upper

62 100

64 33.5 22.7 42.3



#6

Bromomethane

Concen: 24.563 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW015151.D

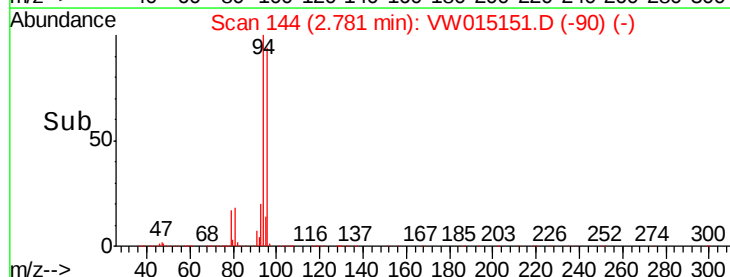
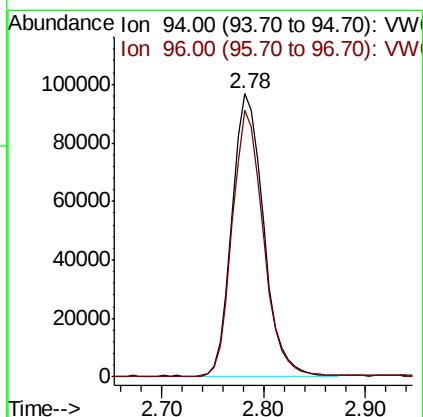
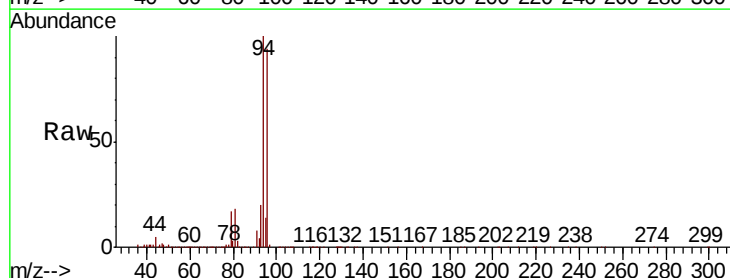
Acq: 03 Apr 2020 09:55

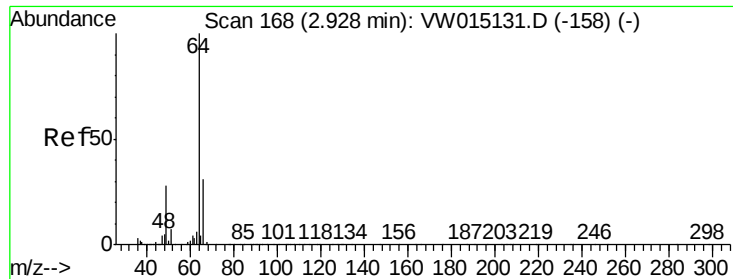
Tgt Ion: 94 Resp: 207267

Ion Ratio Lower Upper

94 100

96 92.9 9.3 177.3

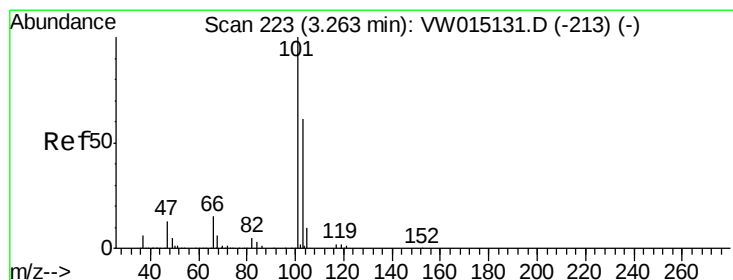
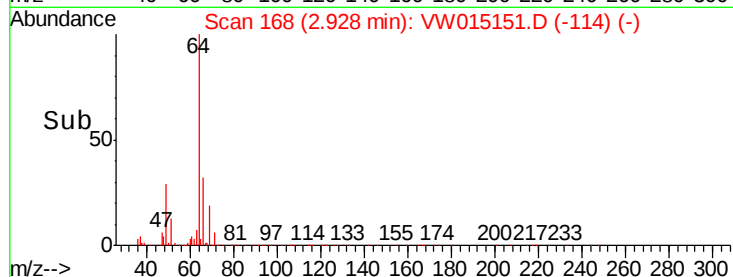
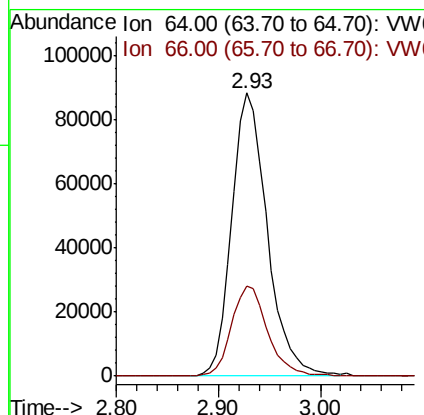
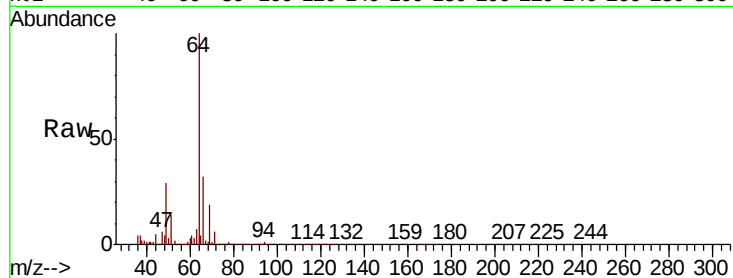




#8
Chloroethane
Concen: 22.801 ug/L
RT: 2.93 min Scan# 168
Delta R.T. -0.00 min
Lab File: VW015151.D
Acq: 03 Apr 2020 09:55

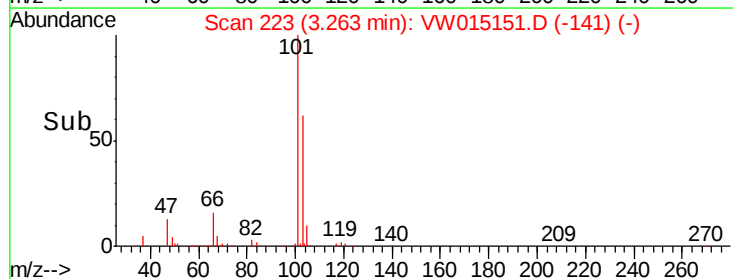
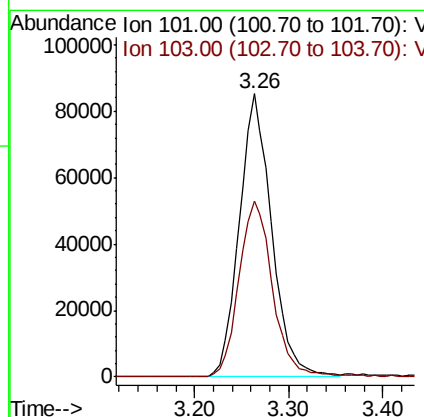
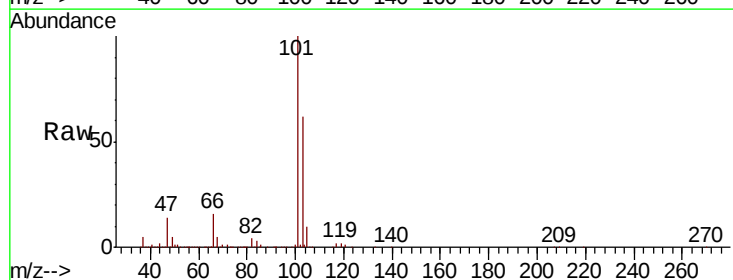
Instrument :
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VSTD02519

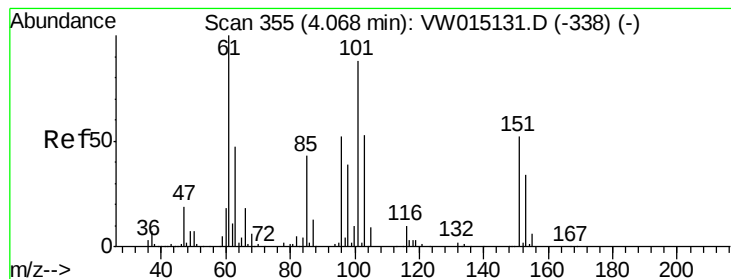
Tot Ion: 64 Resp: 212197
Ion Ratio Lower Upper
64 100
66 31.9 21.8 40.6



#9
Trichlorofluoromethane
Concen: 23.923 ug/L
RT: 3.26 min Scan# 223
Delta R.T. -0.00 min
Lab File: VW015151.D
Acq: 03 Apr 2020 09:55

Tgt Ion: 101 Resp: 204686
Ion Ratio Lower Upper
101 100
103 64.1 43.8 81.4





#11

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

Concen: 24.059 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW015151.D

Acq: 03 Apr 2020 09:55

Instrument :

MSVOA_W

ClientSampleId :

VSTD02519

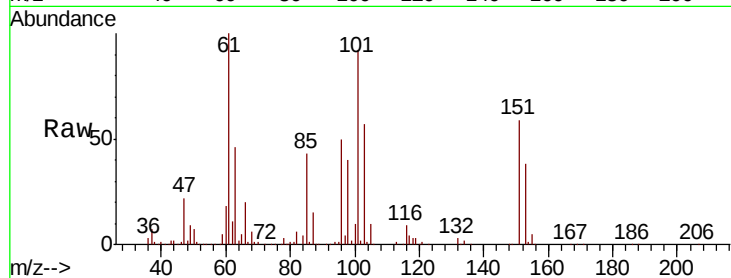
Tot Ion:101 Resp: 286387

Ion Ratio Lower Upper

101 100

85 46.0 37.8 56.6

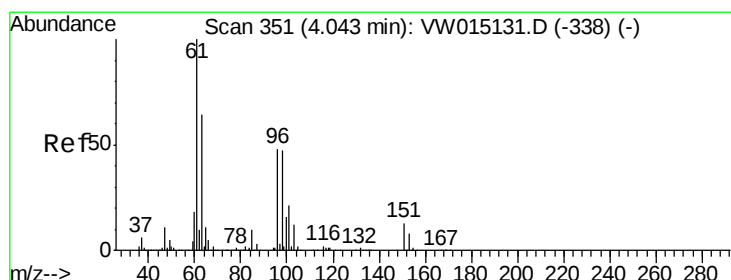
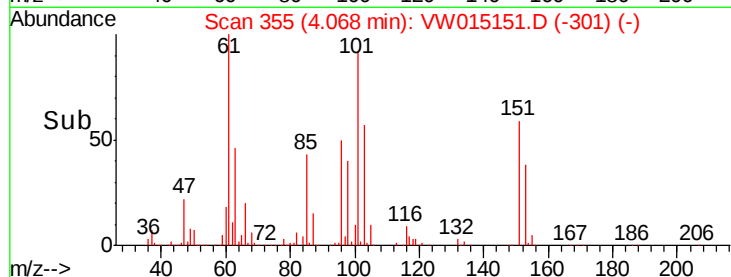
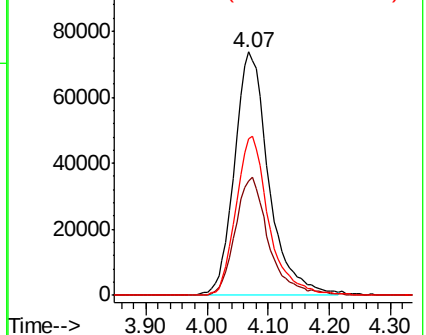
151 62.1 50.2 75.4



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: 23.634 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.00 min

Lab File: VW015151.D

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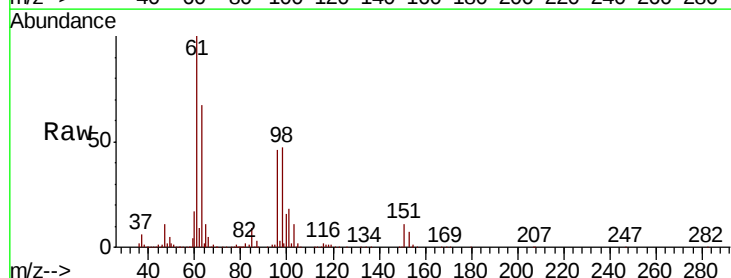
Tgt Ion: 96 Resp: 266970

Ion Ratio Lower Upper

96 100

61 216.4 146.2 271.4

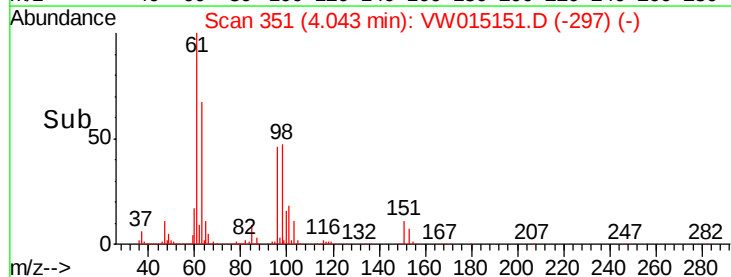
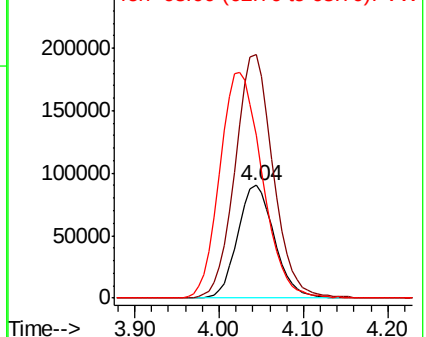
63 144.4 95.0 176.4

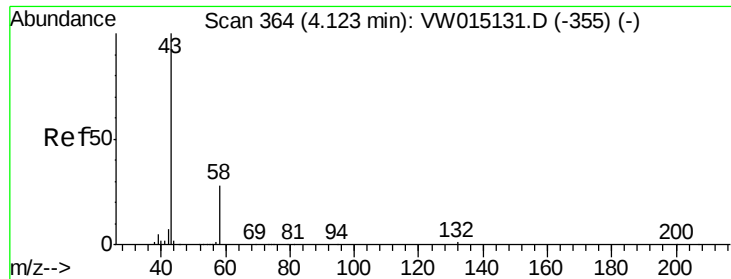


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 54.125 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

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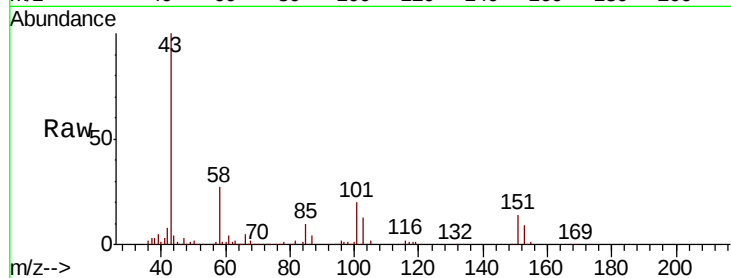
VSTD02519

Tot Ion: 43 Resp: 144819

Ion Ratio Lower Upper

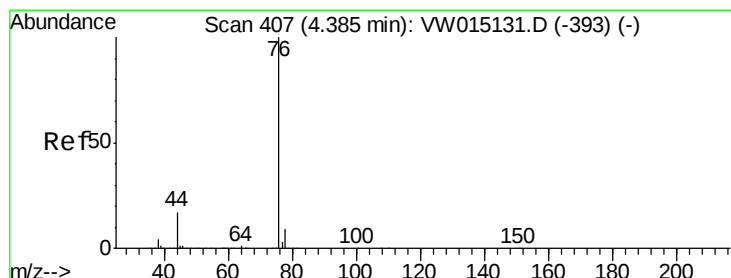
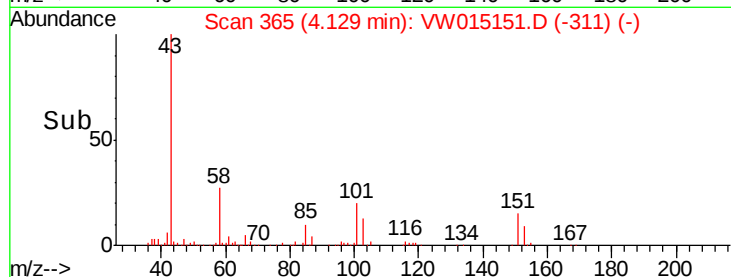
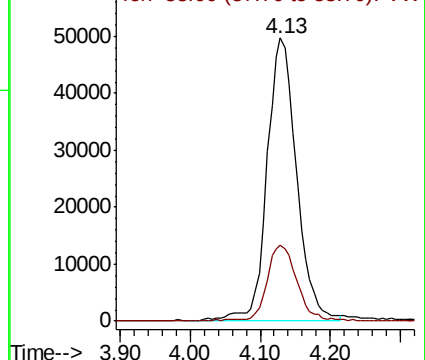
43 100

58 25.8 0.0 54.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 22.746 ug/L

RT: 4.38 min Scan# 407

Delta R.T. -0.00 min

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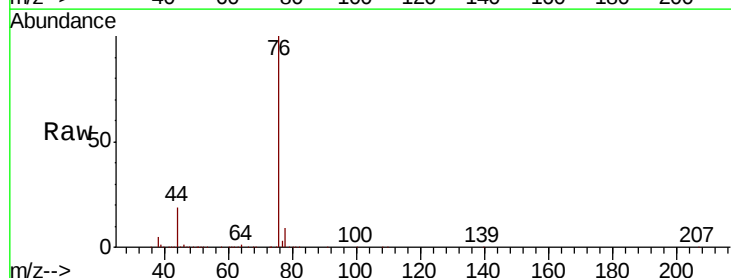
Acq: 03 Apr 2020 09:55

Tgt Ion: 76 Resp: 955749

Ion Ratio Lower Upper

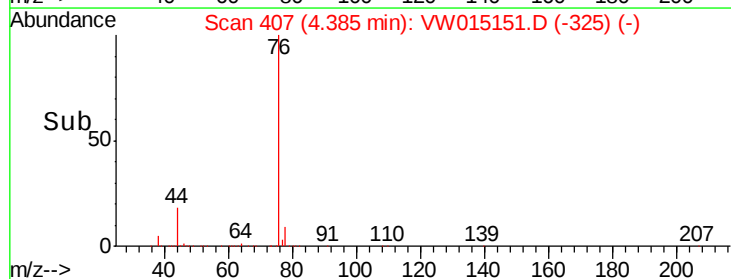
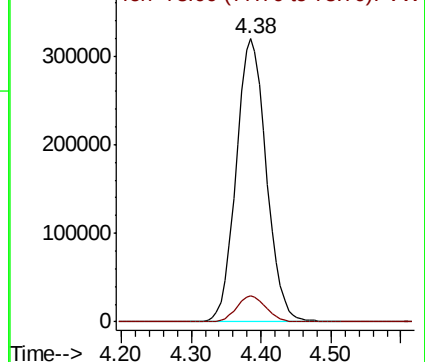
76 100

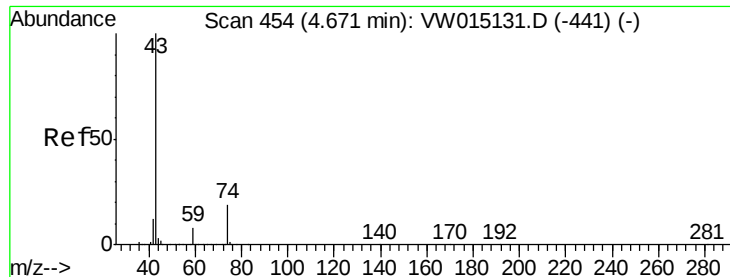
78 9.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





#15

Methyl Acetate

Concen: 22.546 ug/L

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW015151.D

Acq: 03 Apr 2020 09:55

Instrument :

MSVOA_W

ClientSampled :

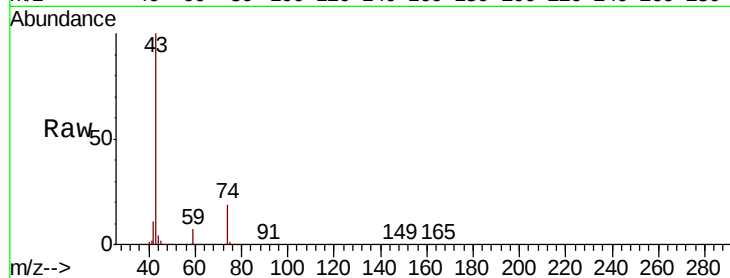
VSTD02519

Tot Ion: 43 Resp: 142504

Ion Ratio Lower Upper

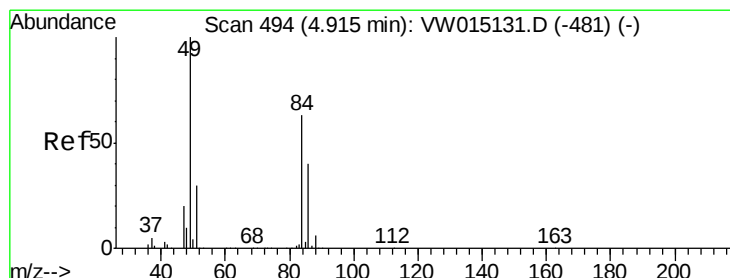
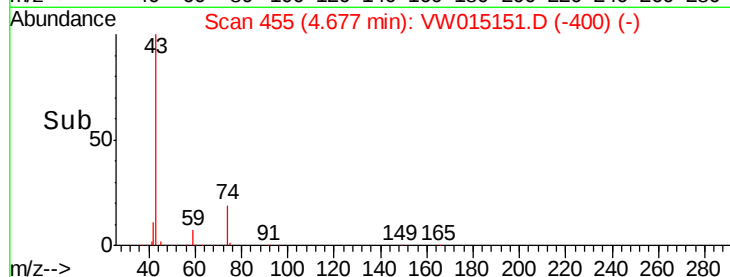
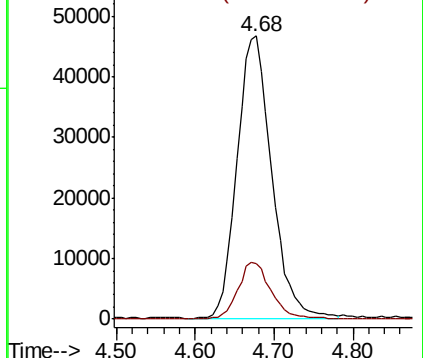
43 100

74 19.0 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: 22.437 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW015151.D

Acq: 03 Apr 2020 09:55

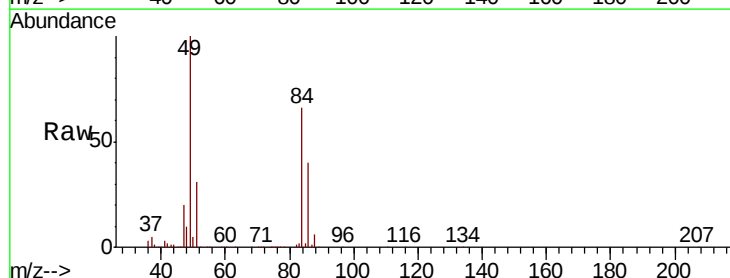
Tgt Ion: 84 Resp: 292478

Ion Ratio Lower Upper

84 100

49 152.5 111.7 207.5

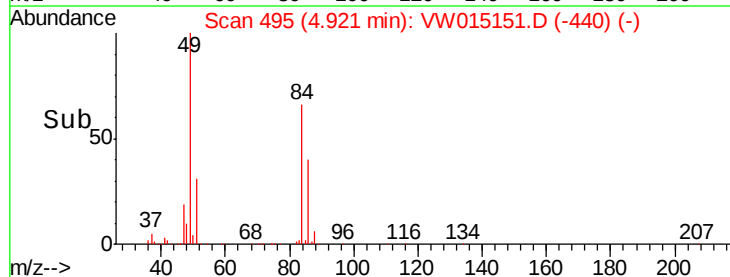
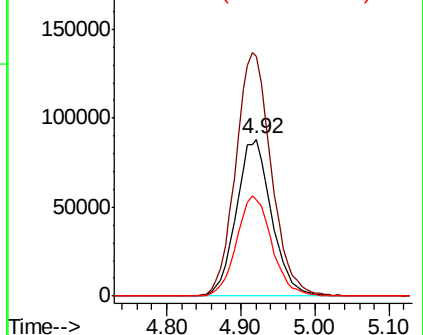
86 61.7 44.7 82.9

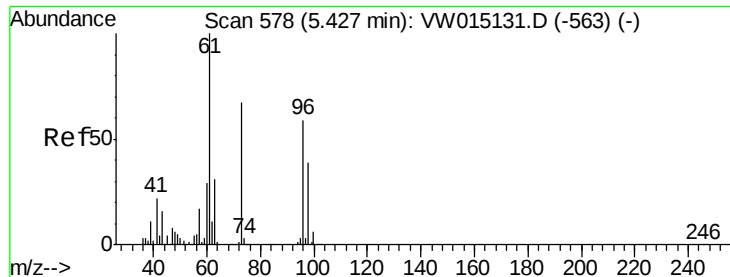


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

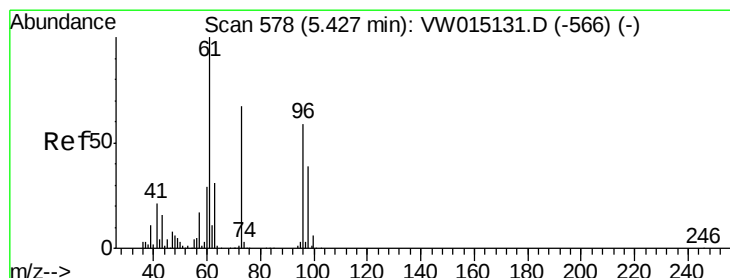
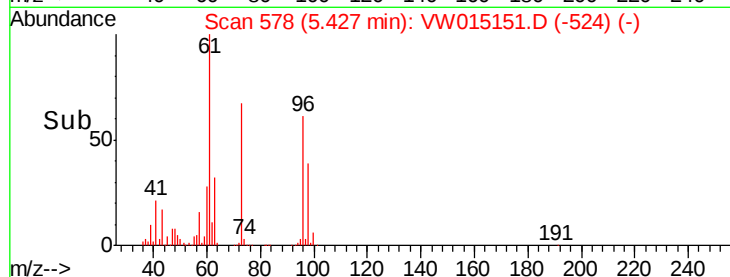
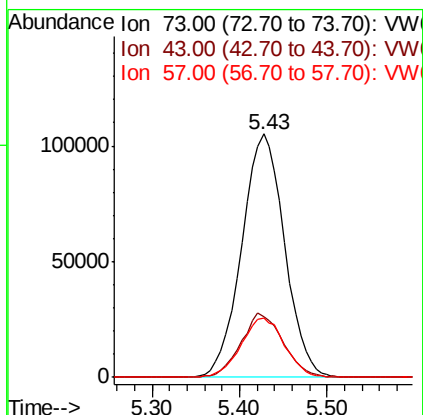
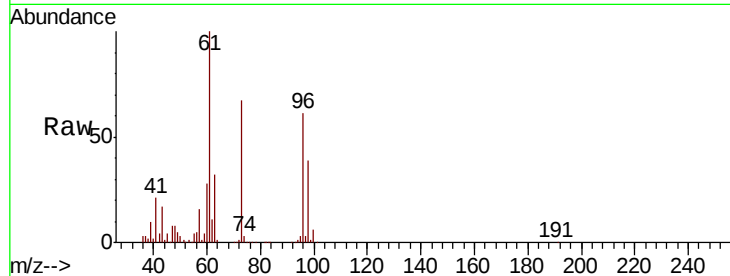




#17
Methvl tert-butvl Ether
Concen: 24.361 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW015151.D
Acq: 03 Apr 2020 09:55

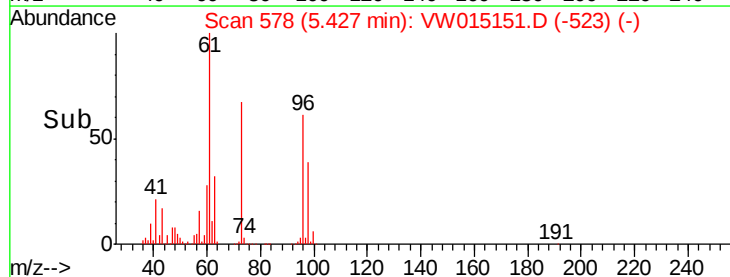
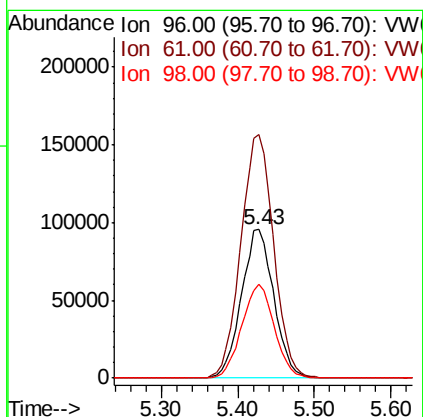
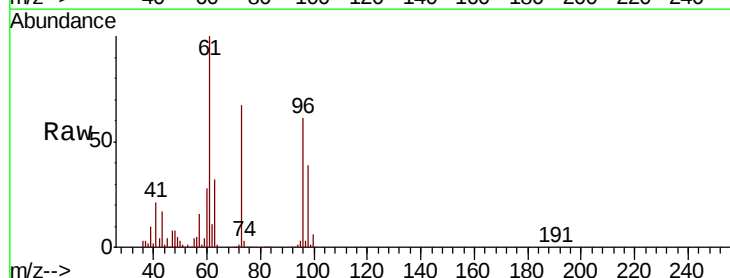
Instrument :
MSVOA_W
ClientSampleId :
VSTD02519

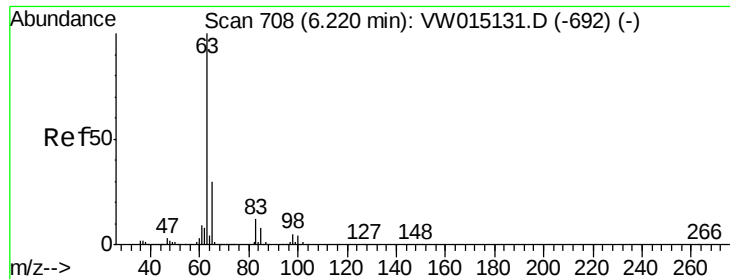
Tot Ion: 73 Resp: 357325
Ion Ratio Lower Upper
73 100
43 26.1 20.2 30.2
57 24.7 19.7 29.5



#18
trans-1,2-Dichloroethene
Concen: 24.012 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW015151.D
Acq: 03 Apr 2020 09:55

Tgt Ion: 96 Resp: 281932
Ion Ratio Lower Upper
96 100
61 163.8 118.1 219.3
98 63.1 45.8 85.2

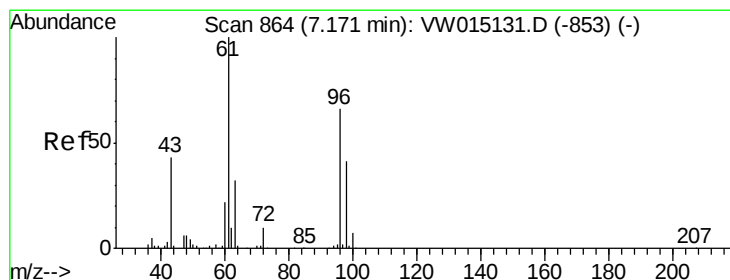
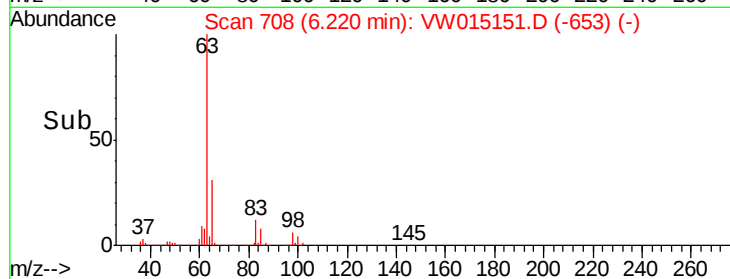
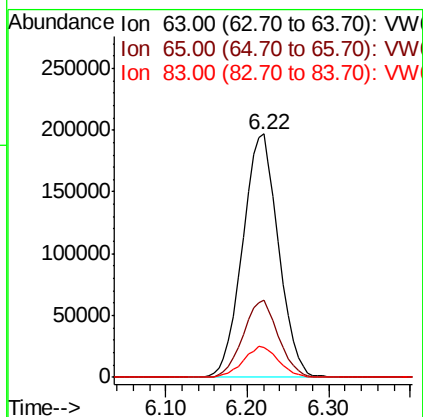
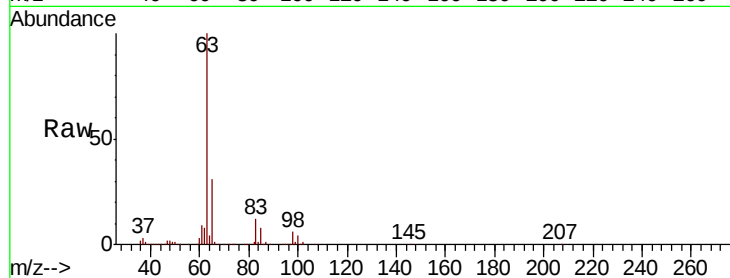




#19
 1,1-Dichloroethane
 Concen: 23.864 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. 0.01 min
 Lab File: VW015151.D
 Acq: 03 Apr 2020 09:55

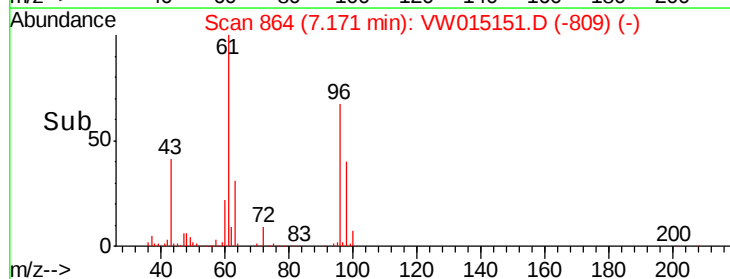
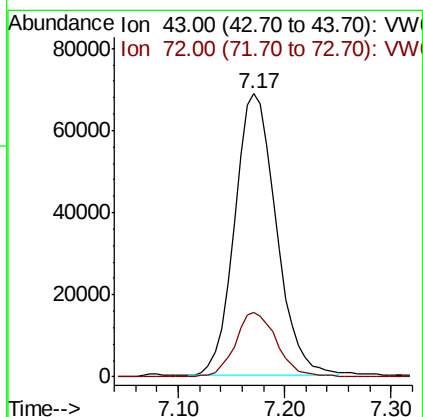
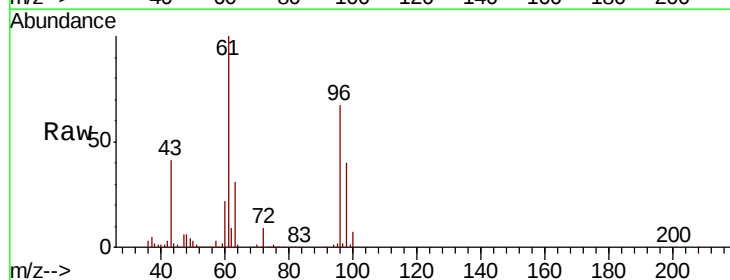
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02519

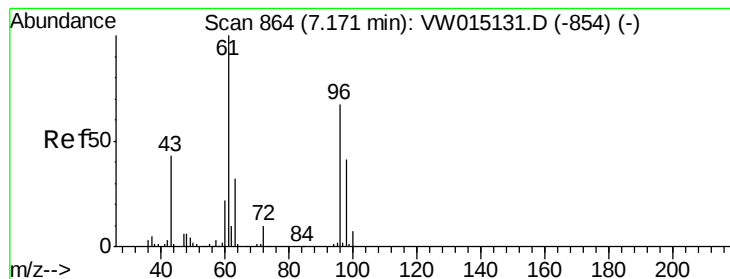
Tot Ion:	63	Resp:	600408
Ion	Ratio	Lower	Upper
63	100		
65	31.5	20.6	38.4
83	12.2	8.1	15.1



#21
 2-Butanone
 Concen: 49.642 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW015151.D
 Acq: 03 Apr 2020 09:55

Tgt Ion:	43	Resp:	188130
Ion	Ratio	Lower	Upper
43	100		
72	22.7	11.7	35.0



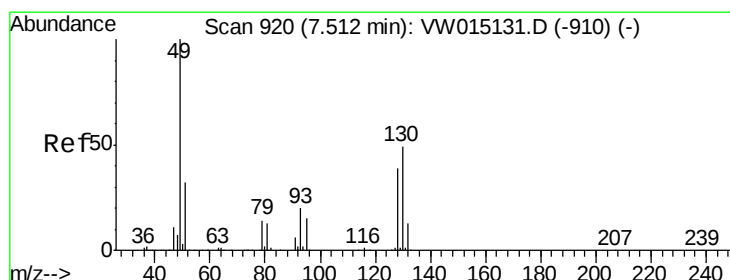
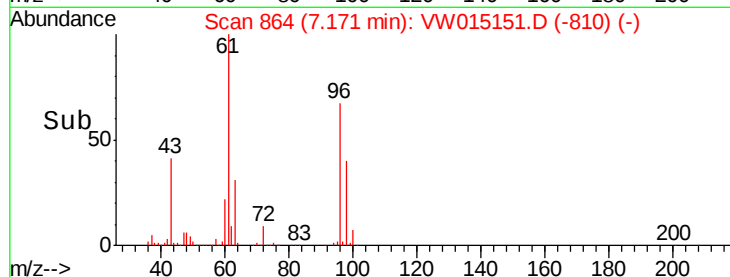
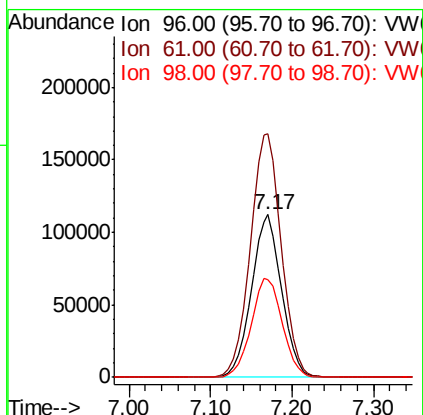
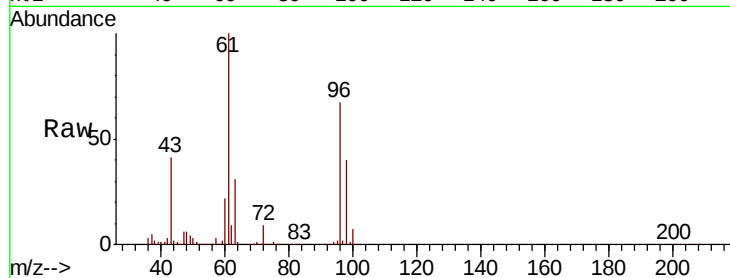


#22

cis-1,2-Dichloroethene
 Concen: 24.754 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW015151.D
 Acq: 03 Apr 2020 09:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02519

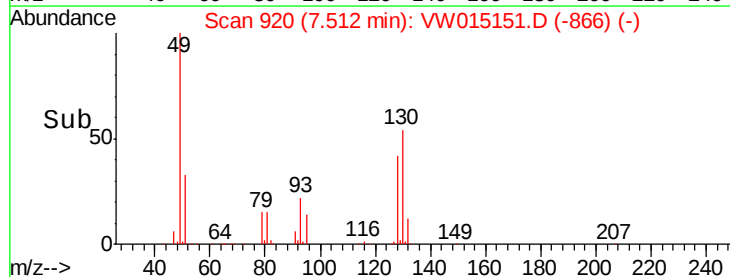
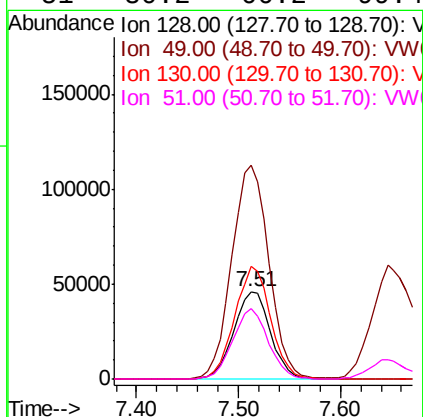
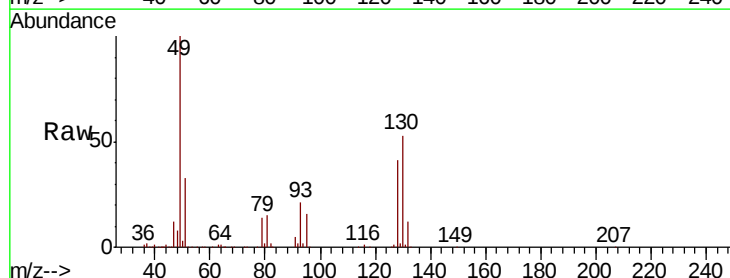
Tot Ion	Ratio	Lower	Upper
96	100		
61	149.9	105.6	196.0
98	60.2	43.3	80.5

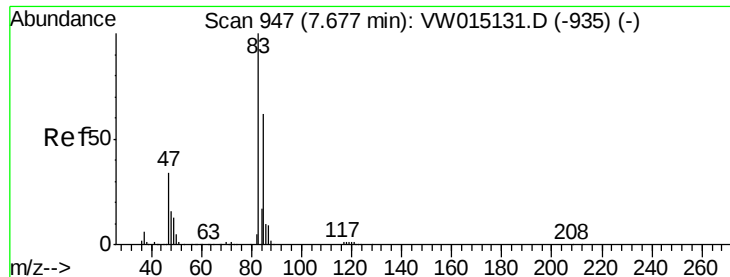


#23

Bromochloromethane
 Concen: 23.890 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW015151.D
 Acq: 03 Apr 2020 09:55

Tgt Ion	Ratio	Lower	Upper
128	100		
49	245.2	181.2	336.6
130	128.9	88.4	164.2
51	80.2	66.2	99.4





#25

Chloroform

Concen: 23.857 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.01 min

Lab File: VW015151.D

Acq: 03 Apr 2020 09:55

Instrument :

MSVOA_W

ClientSampleId :

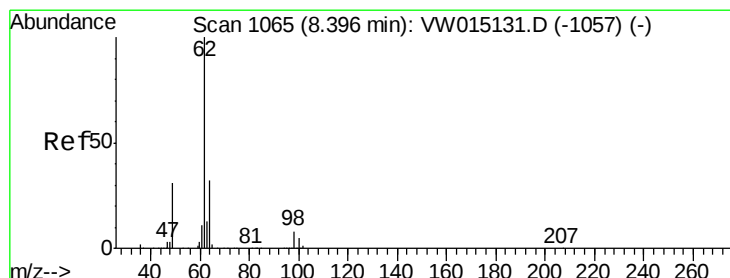
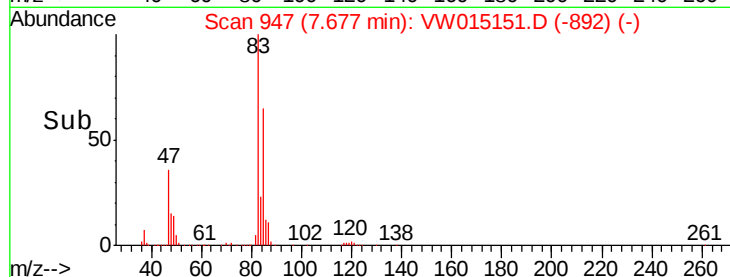
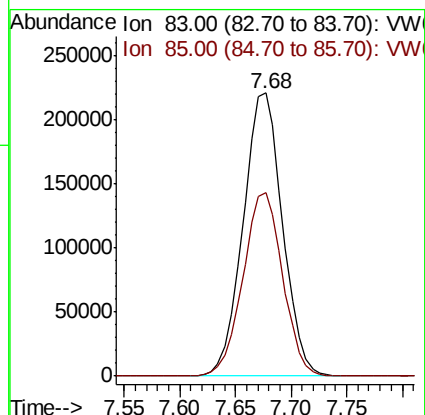
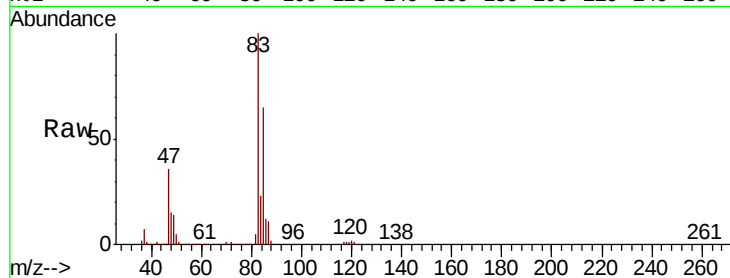
VSTD02519

Tot Ion: 83 Resp: 542253

Ion Ratio Lower Upper

83 100

85 65.4 45.4 84.2



#27

1,2-Dichloroethane

Concen: 23.832 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW015151.D

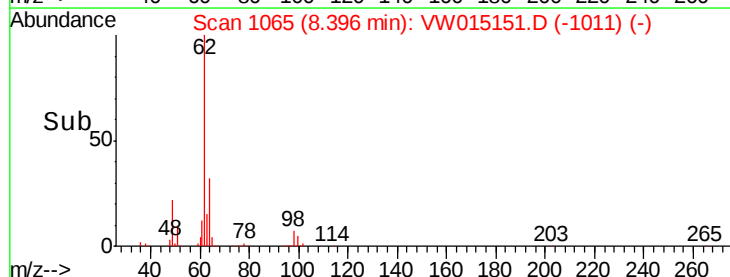
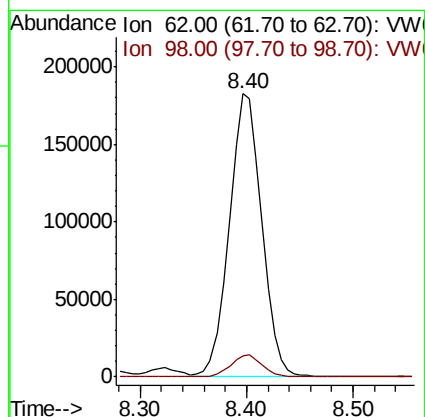
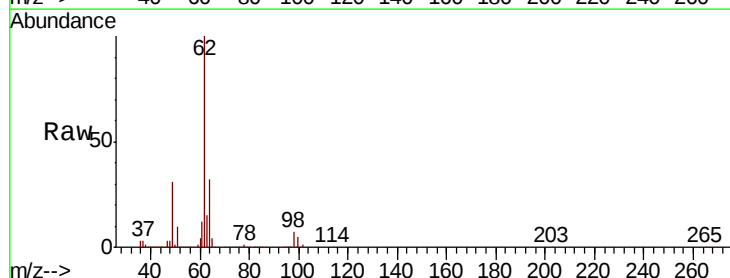
Acq: 03 Apr 2020 09:55

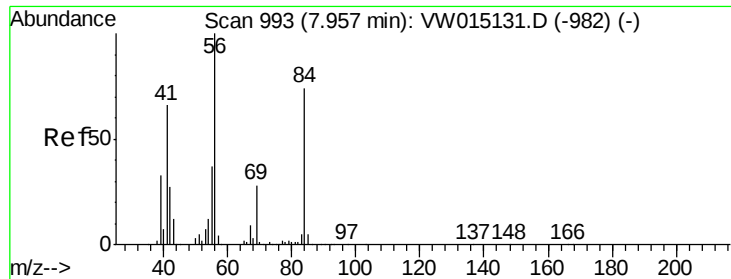
Tgt Ion: 62 Resp: 389023

Ion Ratio Lower Upper

62 100

98 7.4 6.2 9.4

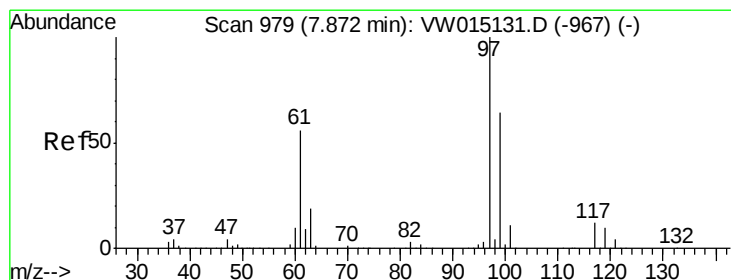
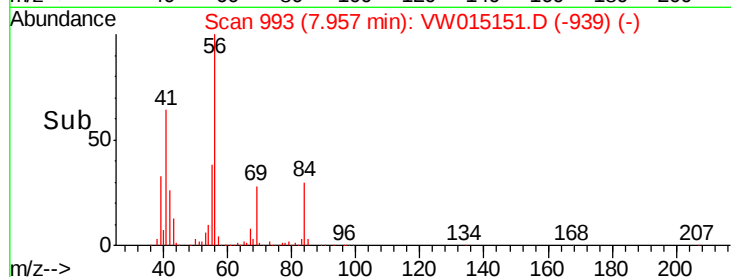
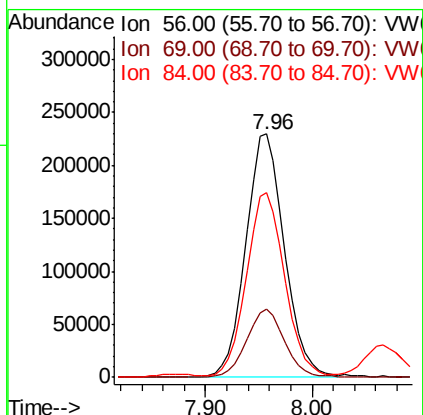
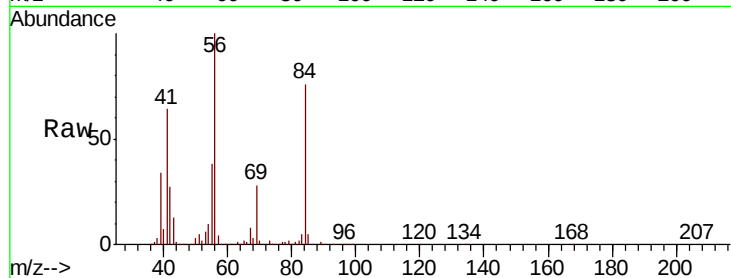




#30
Cyclohexane
Concen: 26.110 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW015151.D
Acq: 03 Apr 2020 09:55

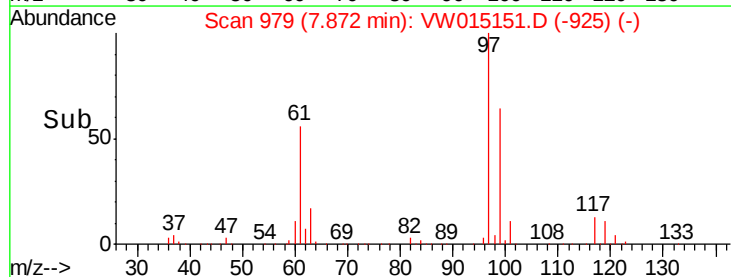
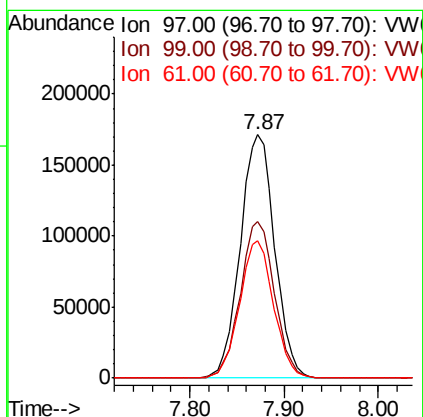
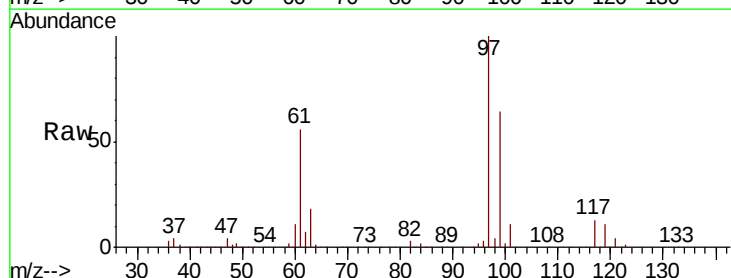
Instrument :
MSVOA_W
ClientSampleId :
VSTD02519

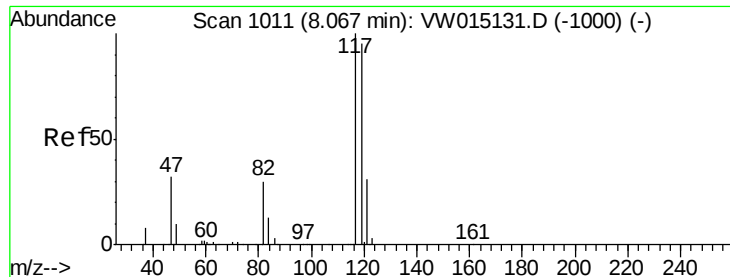
Tot Ion: 56 Resp: 584729
Ion Ratio Lower Upper
56 100
69 27.6 22.0 33.0
84 75.7 58.9 88.3



#31
1,1,1-Trichloroethane
Concen: 24.372 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW015151.D
Acq: 03 Apr 2020 09:55

Tgt Ion: 97 Resp: 439461
Ion Ratio Lower Upper
97 100
99 63.8 51.0 76.4
61 55.4 44.8 67.2





#32

Carbon tetrachloride

Concen: 24.584 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW015151.D

Acq: 03 Apr 2020 09:55

Instrument :

MSVOA_W

ClientSampleId :

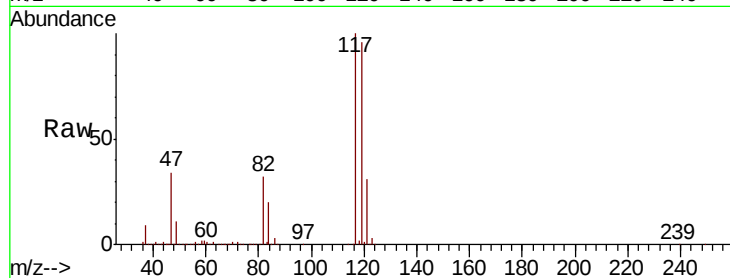
VSTD02519

Tot Ion:117 Resp: 384592

Ion Ratio Lower Upper

117 100

119 95.6 76.6 114.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

150000

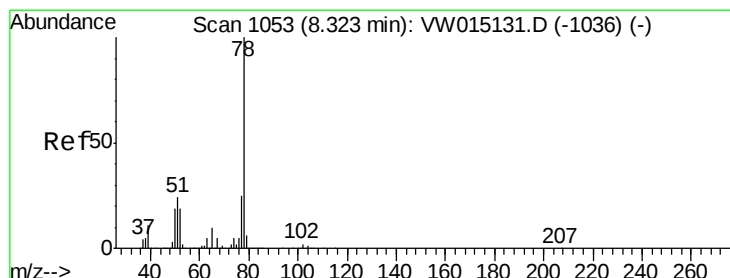
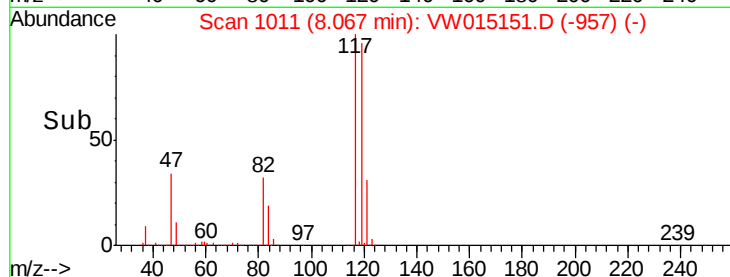
100000

50000

0

8.00 8.10

Time-->



#34

Benzene

Concen: 24.542 ug/L

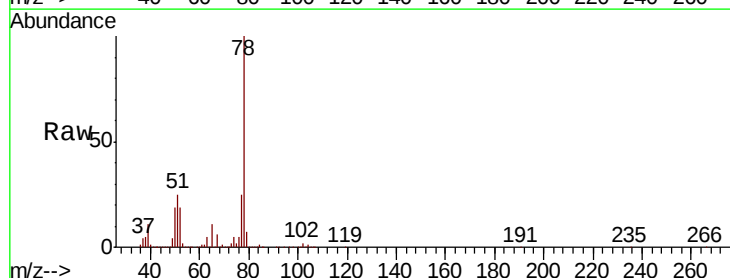
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW015151.D

Acq: 03 Apr 2020 09:55

Tgt Ion: 78 Resp: 1246143



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

600000

500000

400000

300000

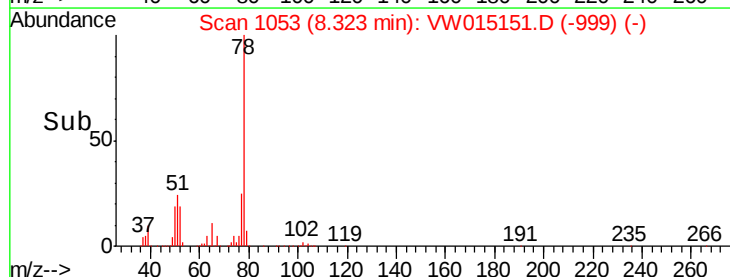
200000

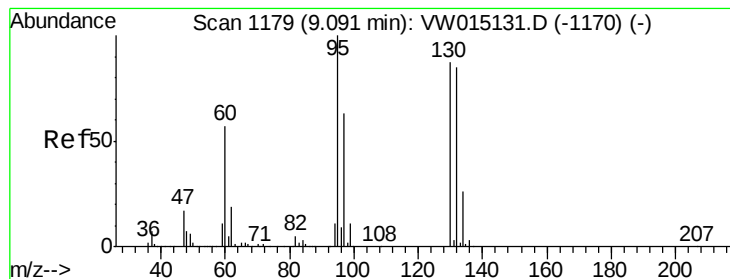
100000

0

8.20 8.30 8.40

Time-->





#35

Trichloroethene

Concen: 24.255 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW015151.D

Acq: 03 Apr 2020 09:55

Instrument :

MSVOA_W

ClientSampleId :

VSTD02519

Tot Ion: 95 Resp: 299815

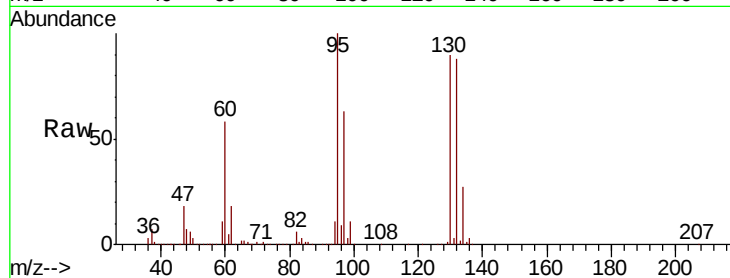
Ion Ratio Lower Upper

95 100

97 64.0 43.7 81.1

132 86.1 58.7 109.1

130 89.0 61.3 113.9

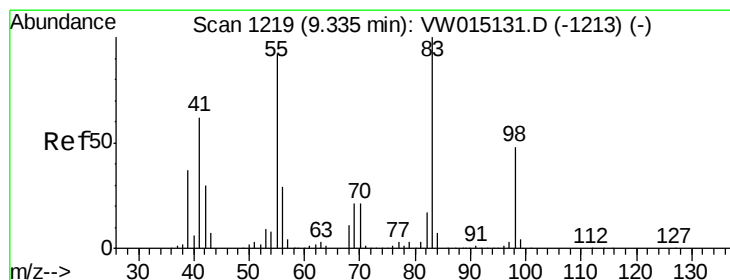
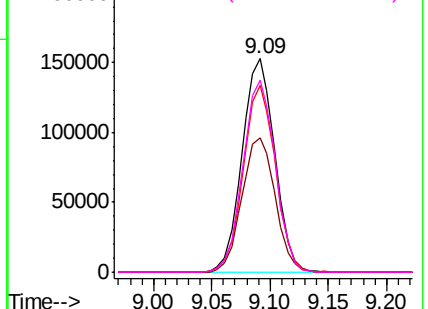
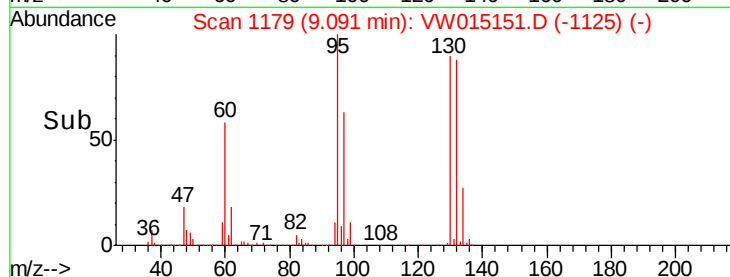


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 25.848 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW015151.D

Acq: 03 Apr 2020 09:55

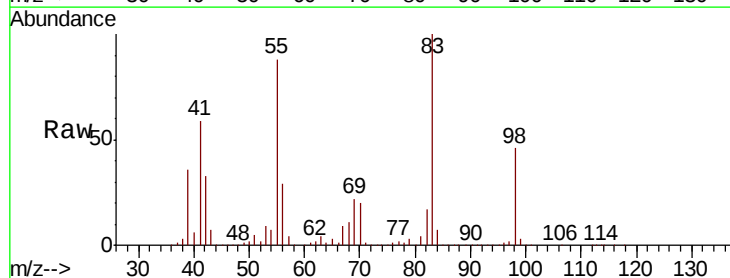
Tgt Ion: 83 Resp: 548903

Ion Ratio Lower Upper

83 100

55 91.6 73.4 110.2

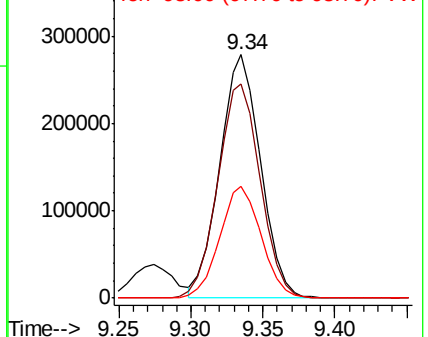
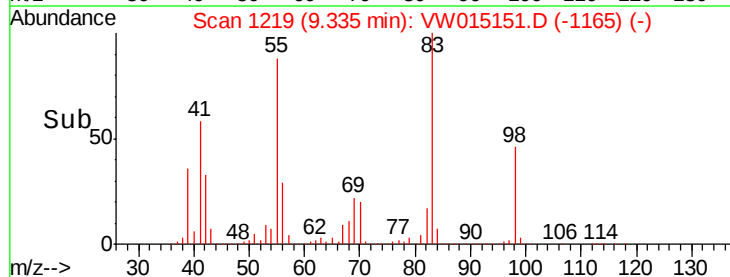
98 46.7 36.6 55.0

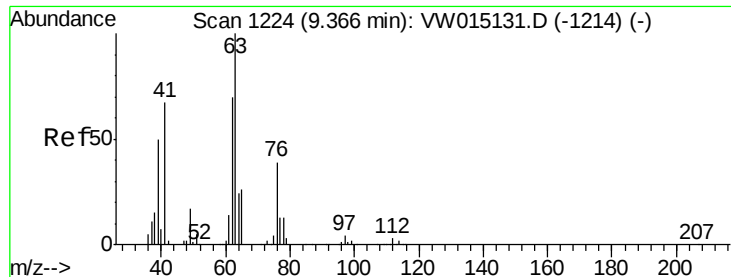


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 23.814 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW015151.D

Acq: 03 Apr 2020 09:55

Instrument :

MSVOA_W

ClientSampleId :

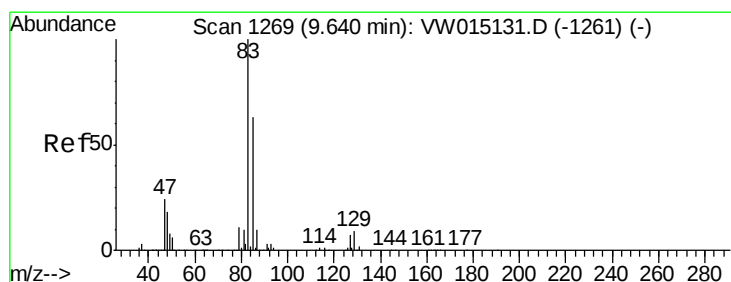
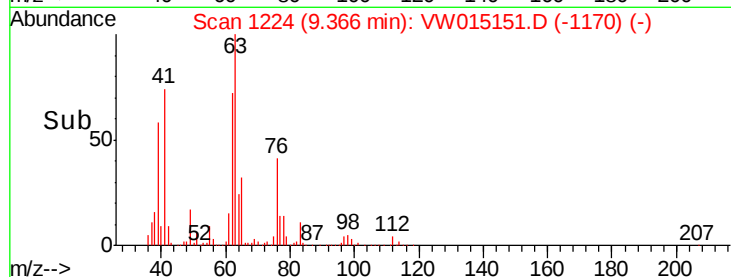
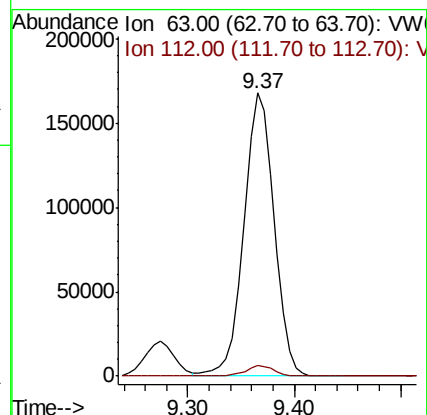
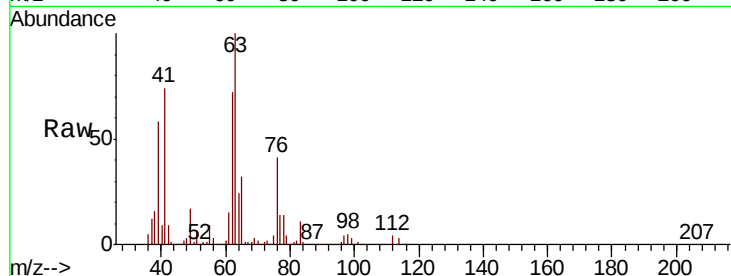
VSTD02519

Tot Ion: 63 Resp: 333471

Ion Ratio Lower Upper

63 100

112 3.5 2.9 4.3



#41

Bromodichloromethane

Concen: 24.361 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW015151.D

Acq: 03 Apr 2020 09:55

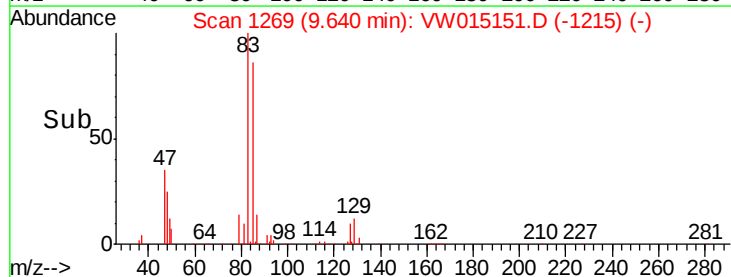
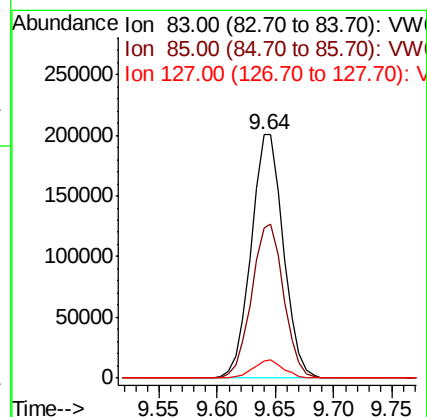
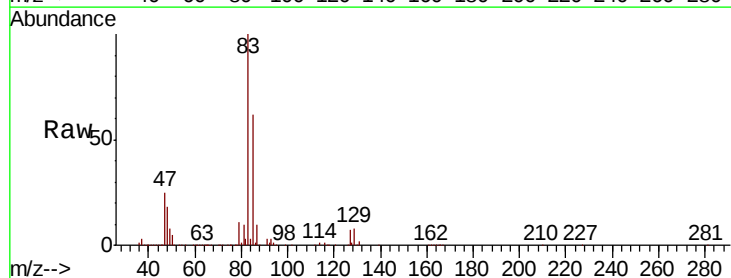
Tgt Ion: 83 Resp: 388125

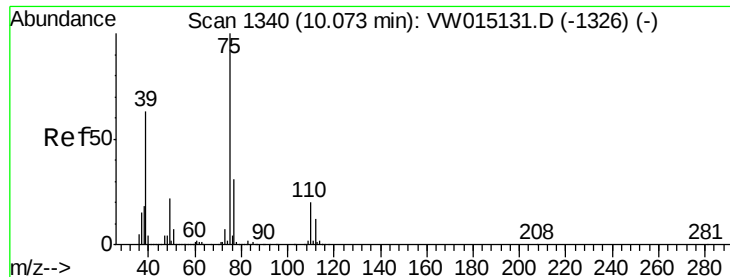
Ion Ratio Lower Upper

83 100

85 61.5 44.1 81.9

127 7.1 5.5 8.3





#42

cis-1,3-Dichloropropene

Concen: 25.291 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW015151.D

Acq: 03 Apr 2020 09:55

Instrument :

MSVOA_W

ClientSampleId :

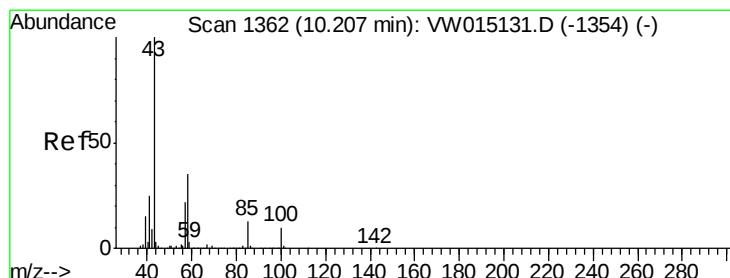
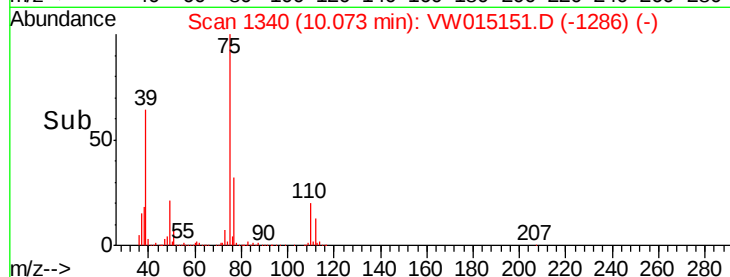
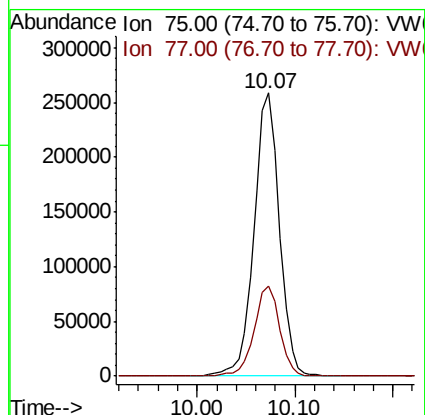
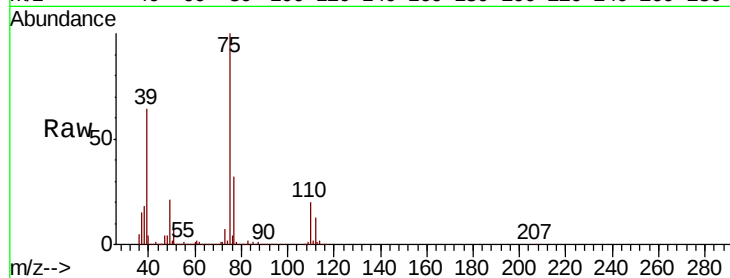
VSTD02519

Tot Ion: 75 Resp: 465321

Ion Ratio Lower Upper

75 100

77 31.8 21.4 39.8



#43

4-Methyl-2-pentanone

Concen: 49.278 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW015151.D

Acq: 03 Apr 2020 09:55

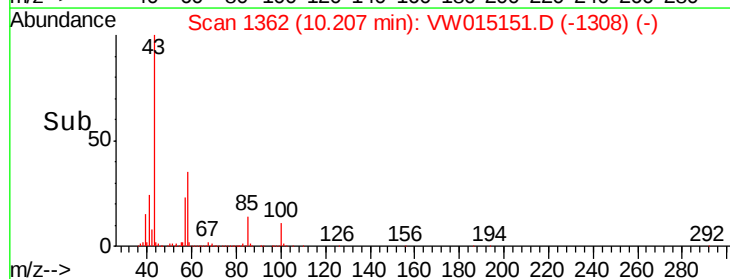
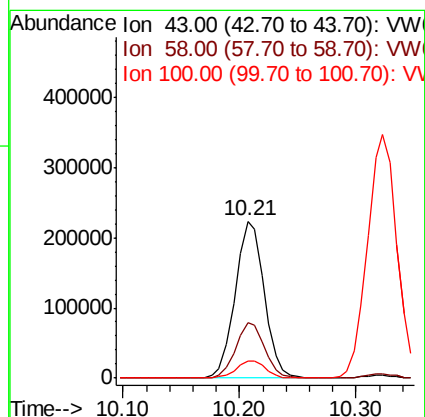
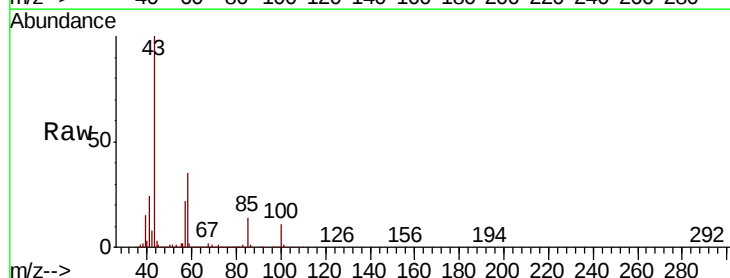
Tgt Ion: 43 Resp: 390405

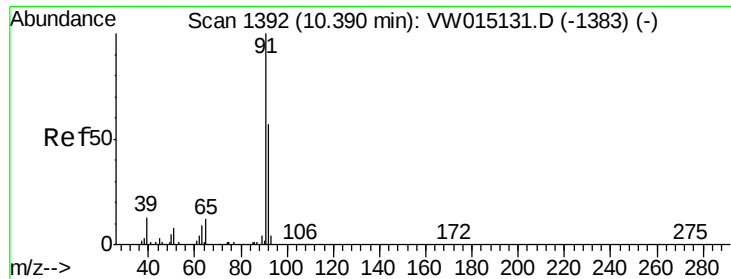
Ion Ratio Lower Upper

43 100

58 35.3 27.9 41.9

100 11.2 8.9 13.3





#44

Toluene

Concen: 25.378 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW015151.D

Acq: 03 Apr 2020 09:55

Instrument :

MSVOA_W

ClientSampleId :

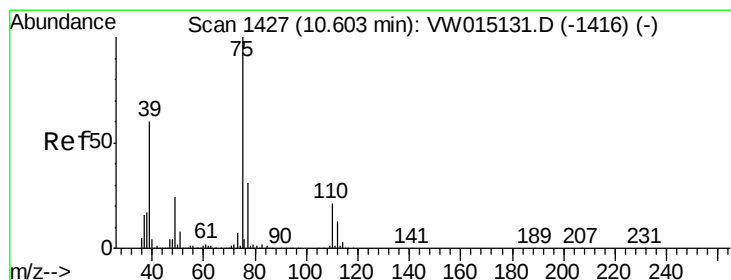
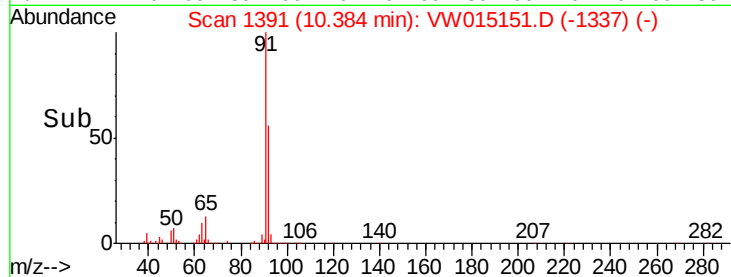
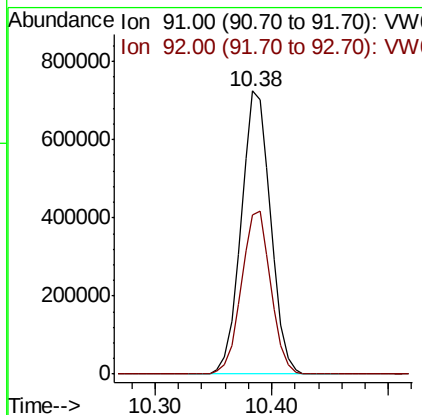
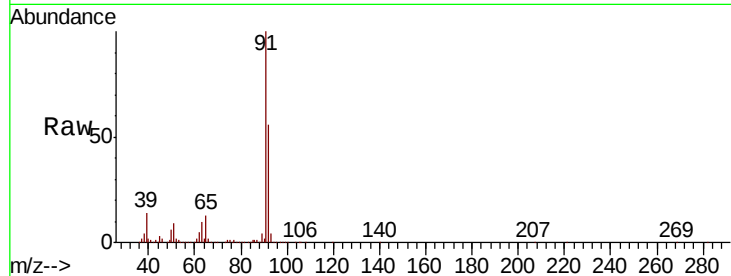
VSTD02519

Tot Ion: 91 Resp: 1274226

Ion Ratio Lower Upper

91 100

92 56.1 40.2 74.6



#45

trans-1,3-Dichloropropene

Concen: 25.499 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW015151.D

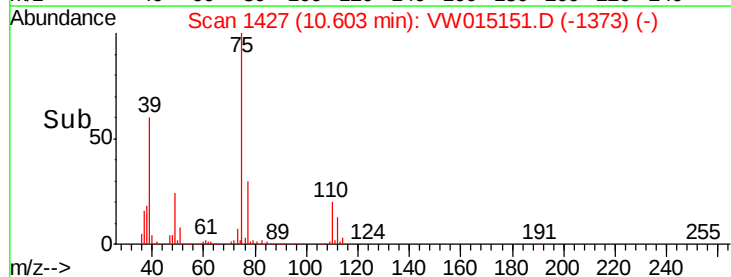
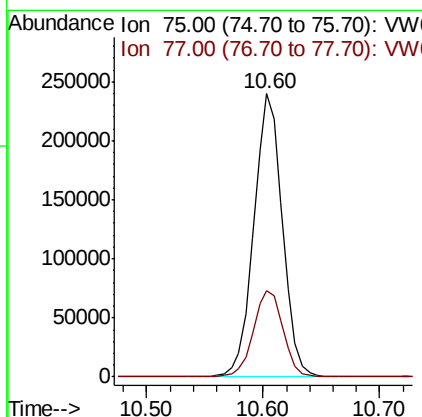
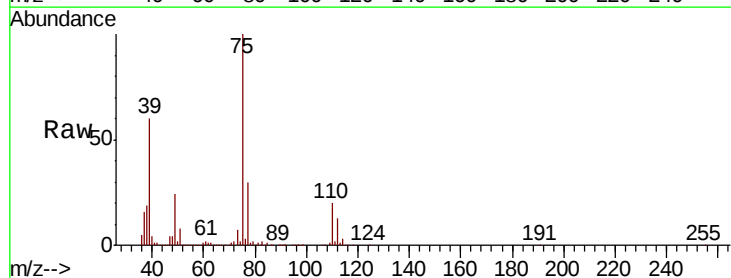
Acq: 03 Apr 2020 09:55

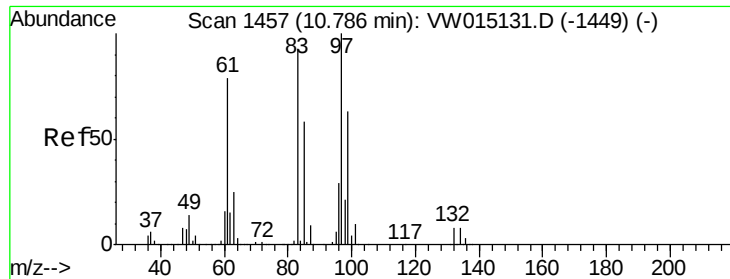
Tgt Ion: 75 Resp: 410239

Ion Ratio Lower Upper

75 100

77 30.5 21.8 40.4





#46

1,1,2-Trichloroethane

Concen: 24.041 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW015151.D

Acq: 03 Apr 2020 09:55

Instrument :

MSVOA_W

ClientSampleId :

VSTD02519

Tot Ion: 97 Resp: 197895

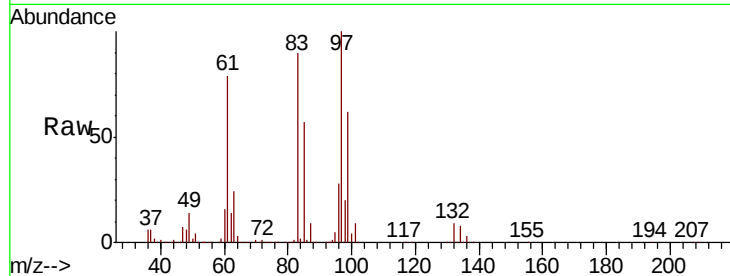
Ion Ratio Lower Upper

97 100

83 90.3 64.8 120.4

85 57.1 40.9 75.9

99 62.3 43.8 81.4

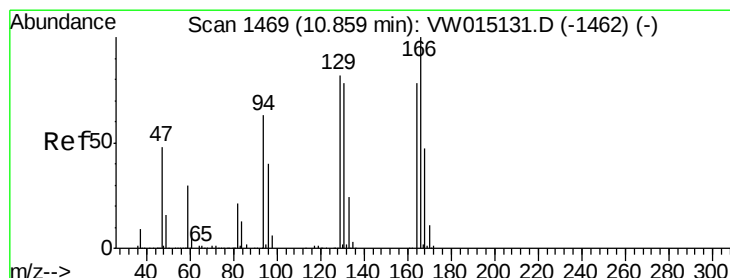
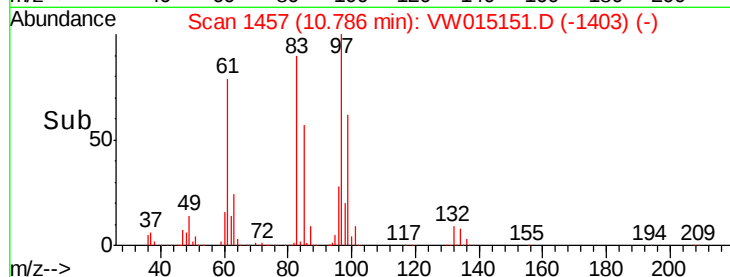
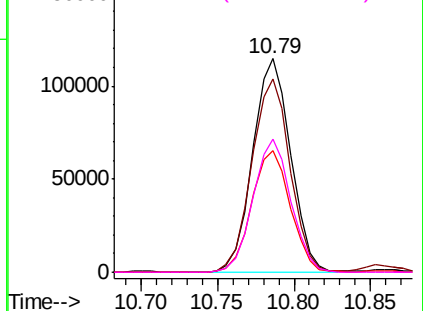


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 24.711 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW015151.D

Acq: 03 Apr 2020 09:55

Tgt Ion: 164 Resp: 197123

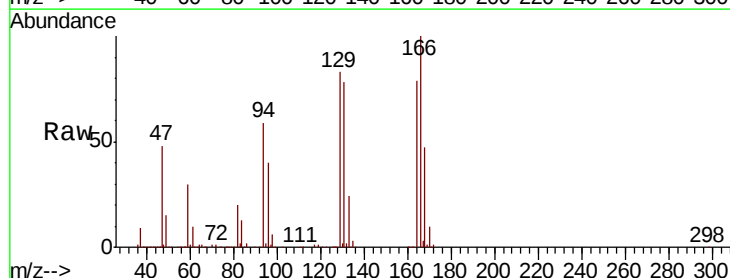
Ion Ratio Lower Upper

164 100

129 104.7 73.2 136.0

131 98.0 69.4 128.8

166 126.2 89.5 166.3

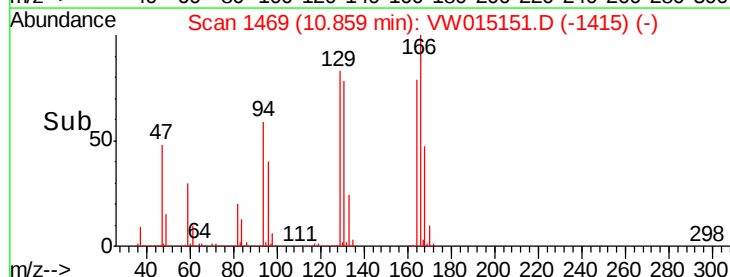
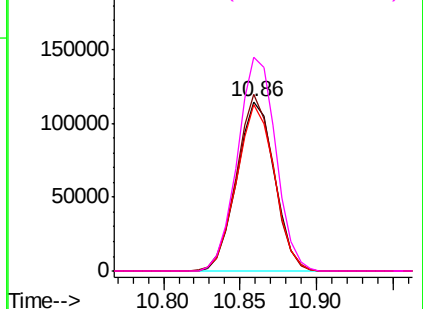


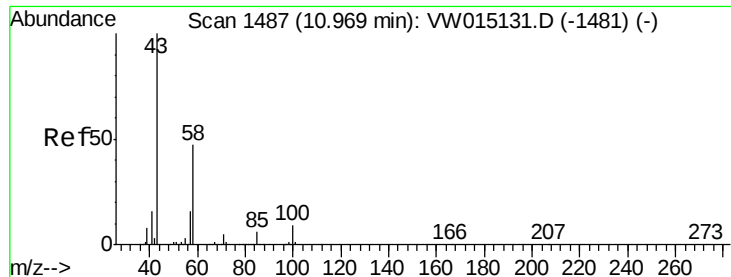
Abundance Ion 164.00 (163.70 to 164.70): V

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

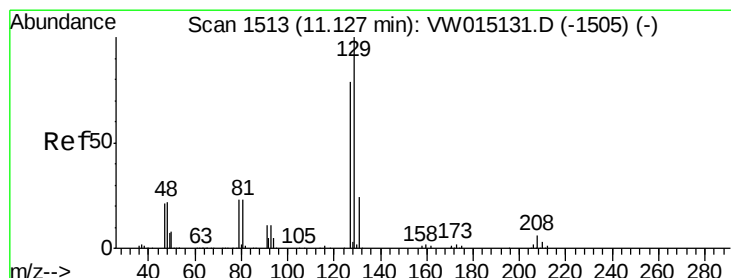
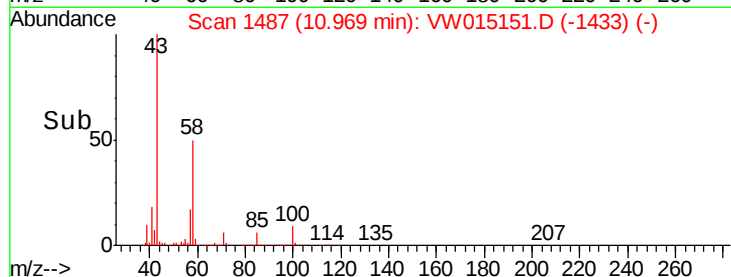
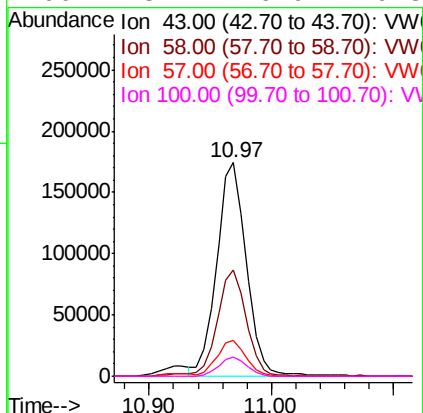
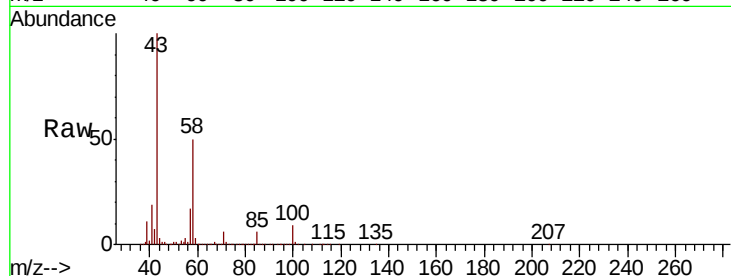




#49
2-Hexanone
Concen: 55.304 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW015151.D
Acq: 03 Apr 2020 09:55

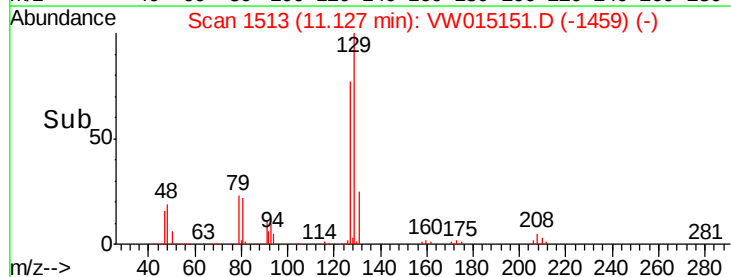
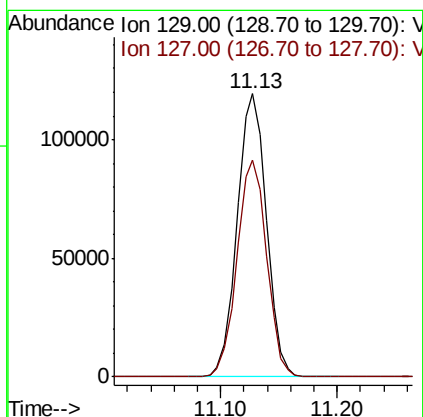
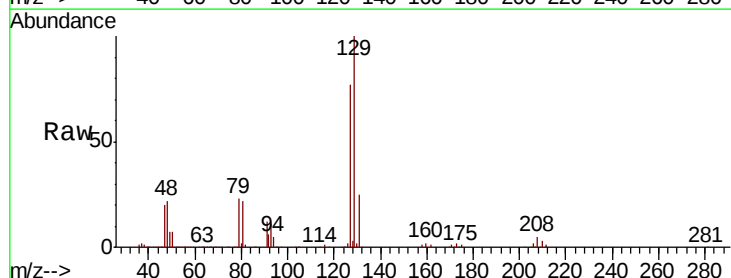
Instrument :
MSVOA_W
ClientSampleId :
VSTD02519

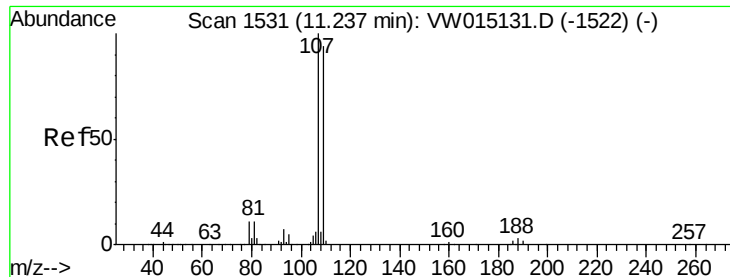
Tot Ion:	43	Resp:	292209
Ion	Ratio	Lower	Upper
43	100		
58	48.5	38.5	57.7
57	16.4	12.9	19.3
100	8.7	6.9	10.3



#50
Dibromochloromethane
Concen: 24.735 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW015151.D
Acq: 03 Apr 2020 09:55

Tgt Ion:	129	Resp:	209320
Ion	Ratio	Lower	Upper
129	100		
127	76.7	55.1	102.3





#51

1,2-Dibromoethane

Concen: 24.123 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW015151.D

Acq: 03 Apr 2020 09:55

Instrument :

MSVOA_W

ClientSampleId :

VSTD02519

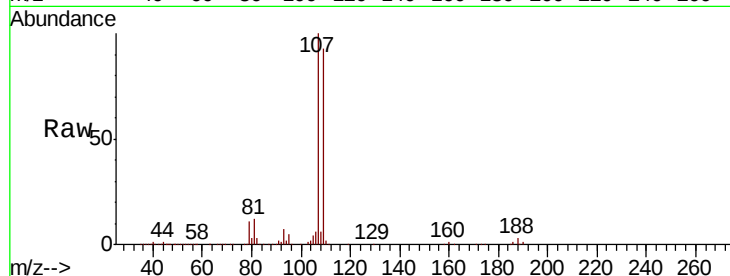
Tot Ion:107 Resp: 175856

Ion Ratio Lower Upper

107 100

109 92.7 65.9 122.5

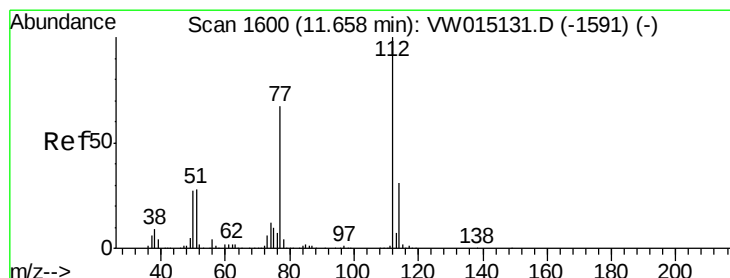
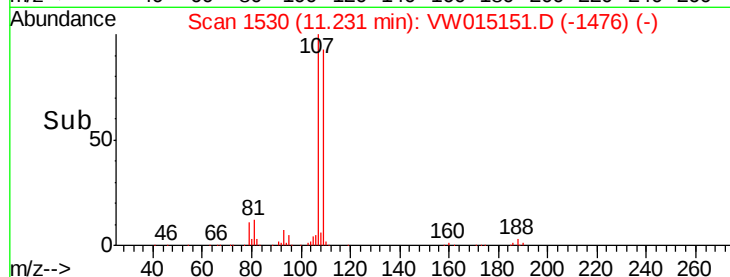
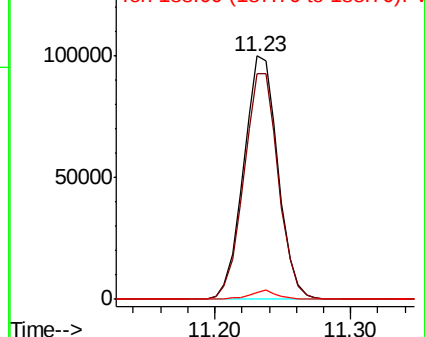
188 2.8 2.3 3.5



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 24.458 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW015151.D

Acq: 03 Apr 2020 09:55

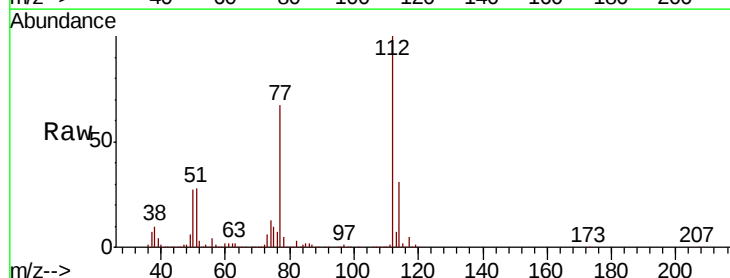
Tgt Ion:112 Resp: 717784

Ion Ratio Lower Upper

112 100

77 66.9 53.5 80.3

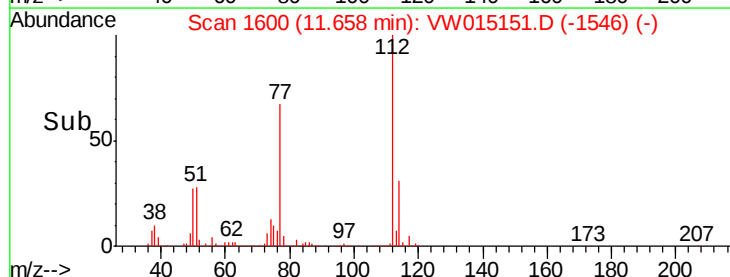
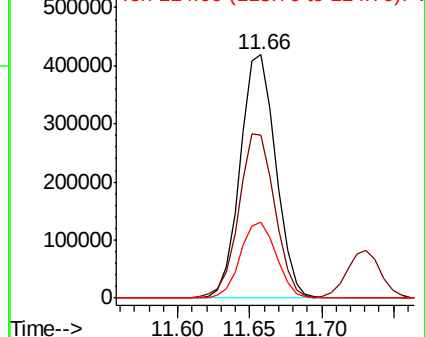
114 31.4 22.0 40.8

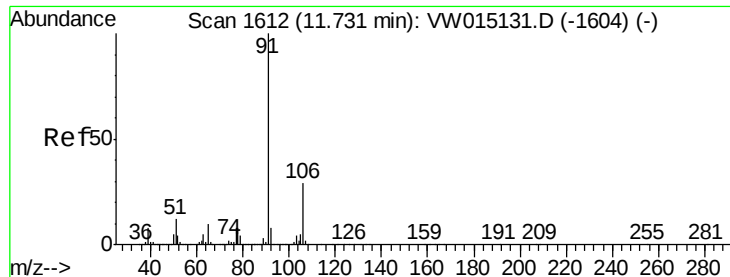


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 25.980 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW015151.D

Acq: 03 Apr 2020 09:55

Instrument :

MSVOA_W

ClientSampleId :

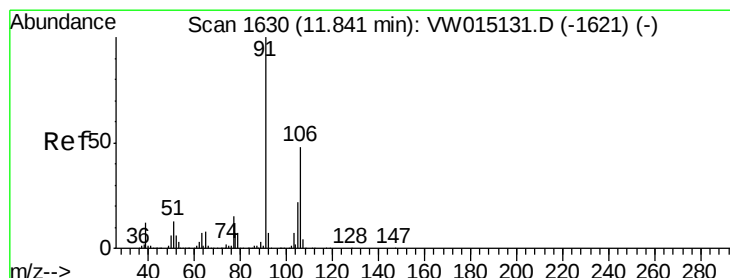
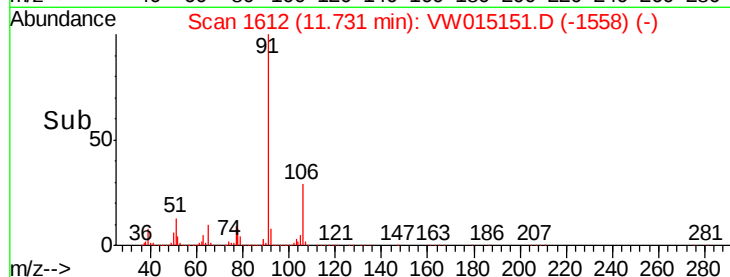
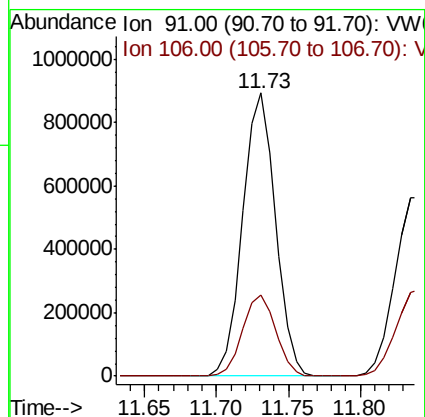
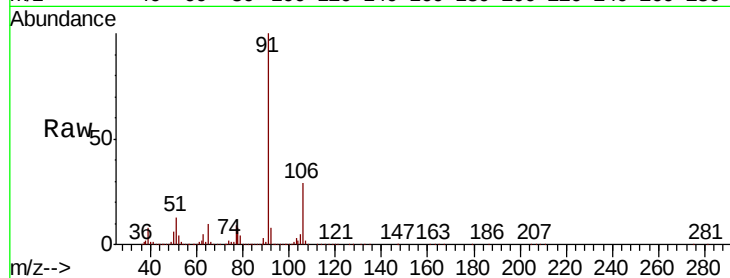
VSTD02519

Tot Ion: 91 Resp: 1408966

Ion Ratio Lower Upper

91 100

106 28.9 20.6 38.2



#54

m,p-Xylene

Concen: 26.378 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW015151.D

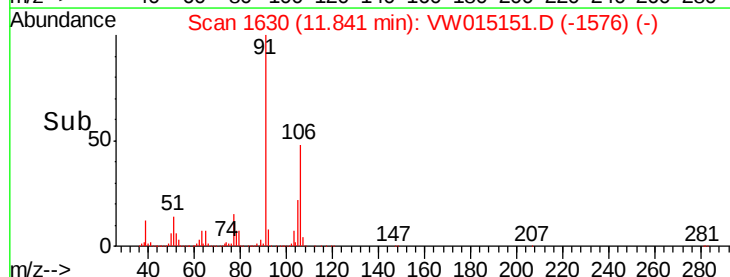
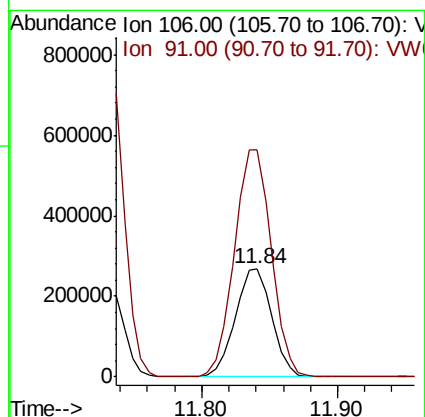
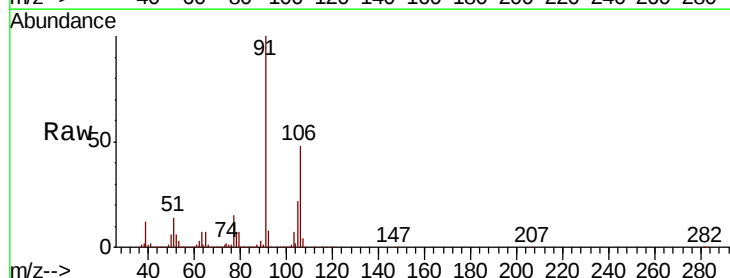
Acq: 03 Apr 2020 09:55

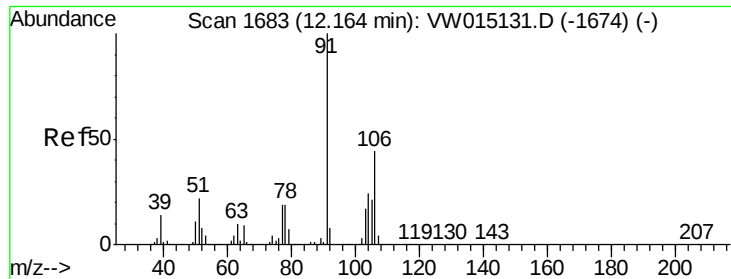
Tgt Ion: 106 Resp: 501515

Ion Ratio Lower Upper

106 100

91 209.9 147.3 273.6





#55

o-xylene

Concen: 26.280 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW015151.D

Acq: 03 Apr 2020 09:55

Instrument :

MSVOA_W

ClientSampleId :

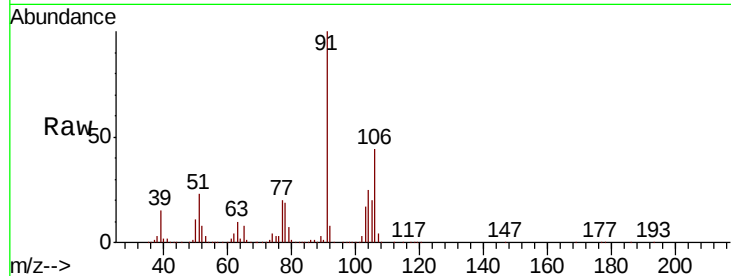
VSTD02519

Tot Ion:106 Resp: 468414

Ion Ratio Lower Upper

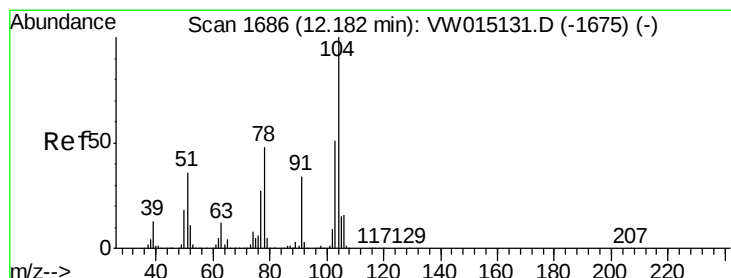
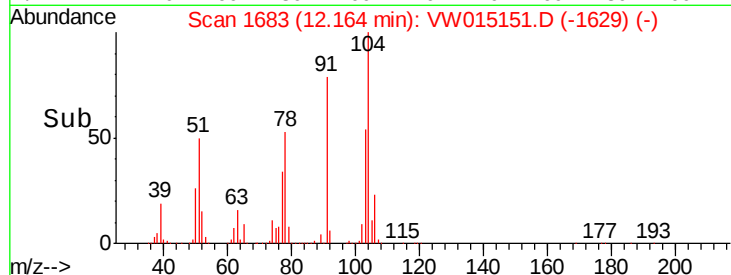
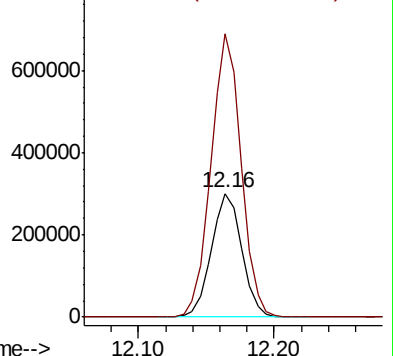
106 100

91 229.1 158.6 294.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 26.603 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW015151.D

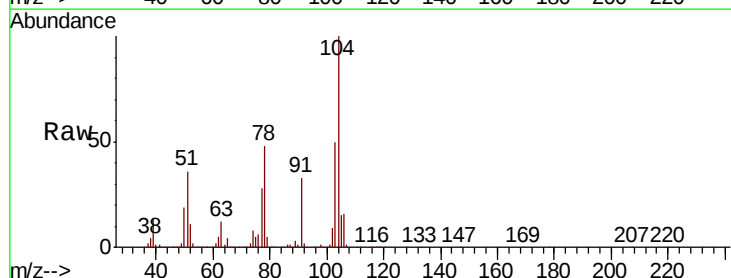
Acq: 03 Apr 2020 09:55

Tgt Ion:104 Resp: 807017

Ion Ratio Lower Upper

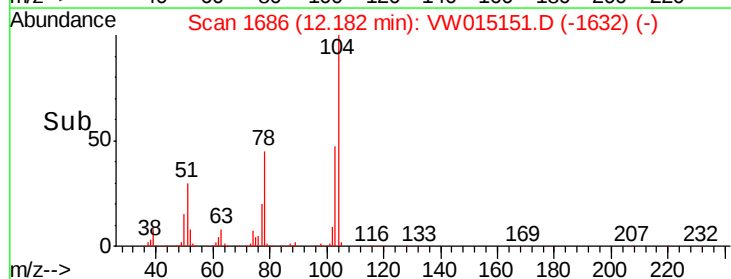
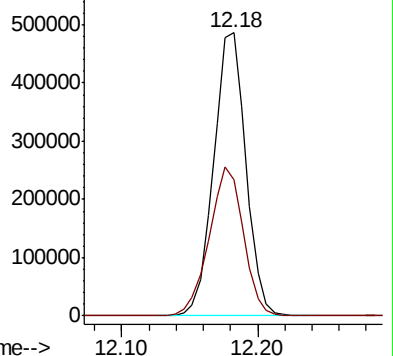
104 100

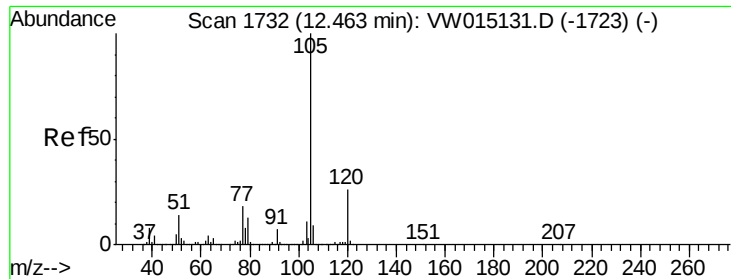
78 47.9 33.9 63.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 27.058 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW015151.D

Acq: 03 Apr 2020 09:55

Instrument :

MSVOA_W

ClientSampleId :

VSTD02519

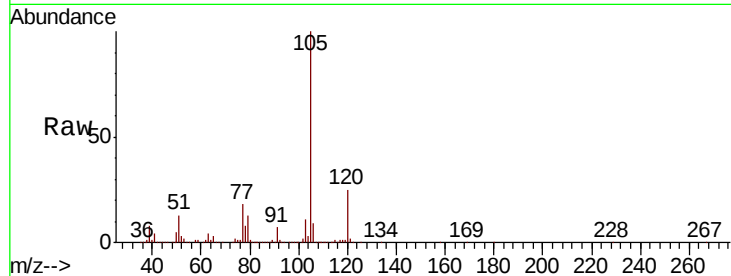
Tot Ion:105 Resp: 1328783

Ion Ratio Lower Upper

105 100

120 25.3 20.0 30.0

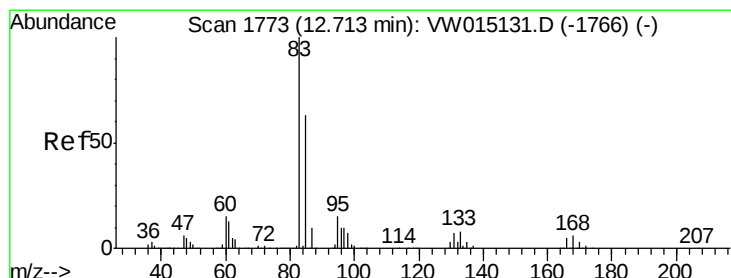
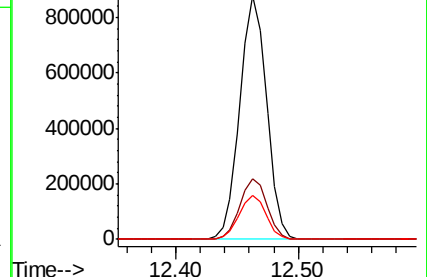
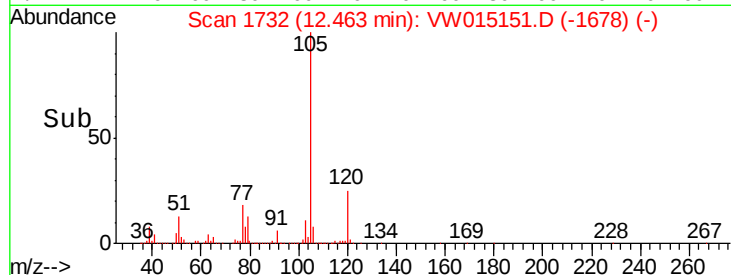
77 18.0 14.5 21.7



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: 23.815 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW015151.D

Acq: 03 Apr 2020 09:55

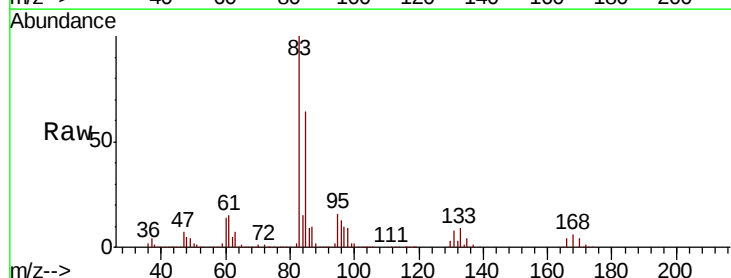
Tgt Ion: 83 Resp: 245349

Ion Ratio Lower Upper

83 100

85 63.9 44.1 81.9

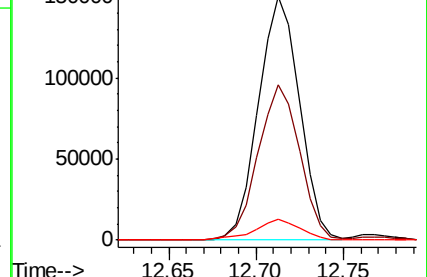
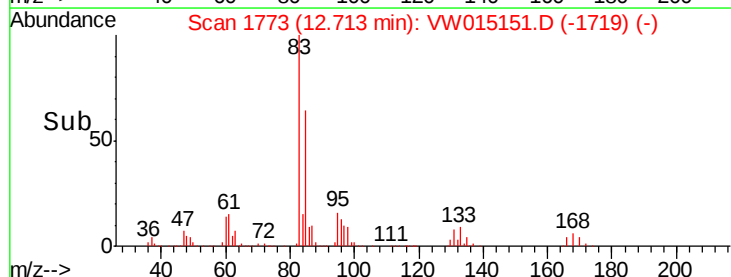
131 8.4 5.9 8.9

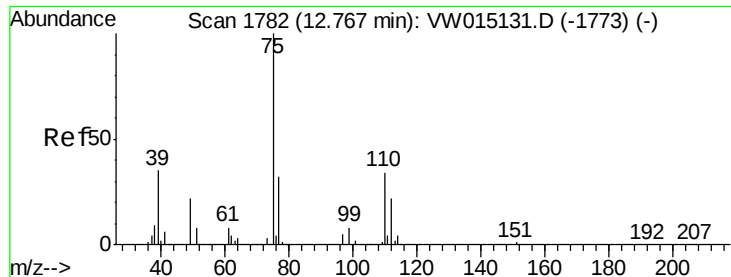


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 23.407 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW015151.D

Acq: 03 Apr 2020 09:55

Instrument :

MSVOA_W

ClientSampleId :

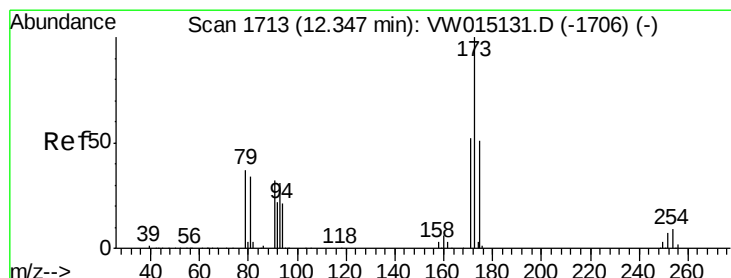
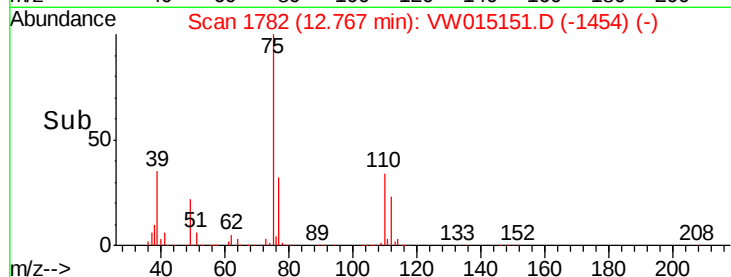
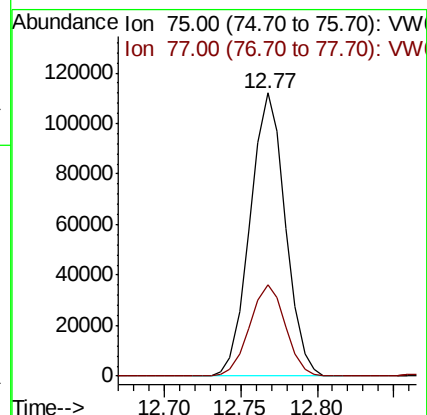
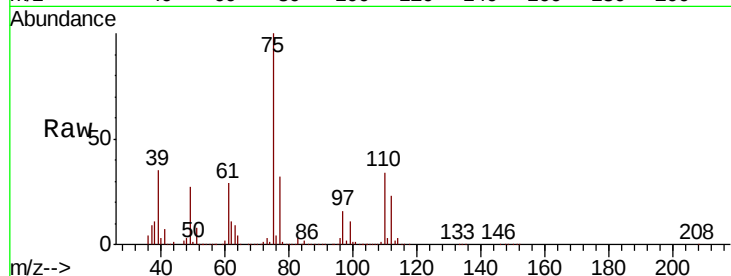
VSTD02519

Tot Ion: 75 Resp: 180376

Ion Ratio Lower Upper

75 100

77 32.4 25.8 38.6



#62

Bromoform

Concen: 23.129 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW015151.D

Acq: 03 Apr 2020 09:55

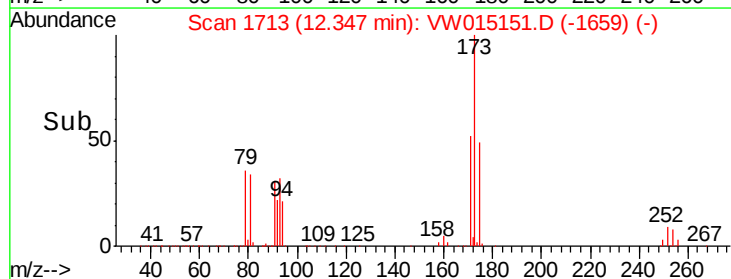
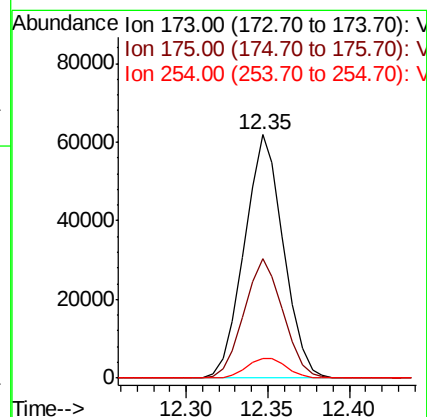
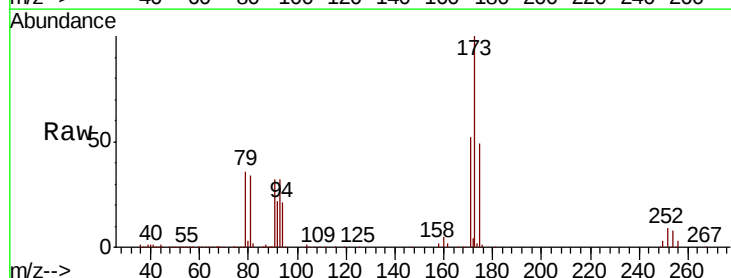
Tgt Ion:173 Resp: 102765

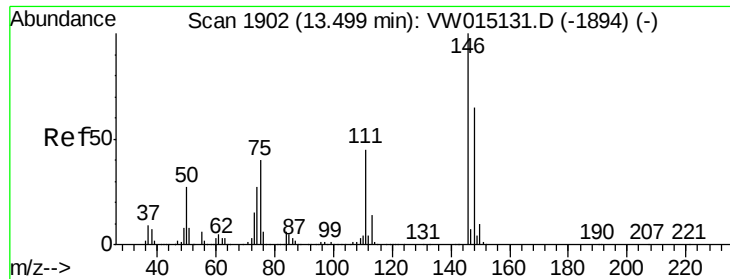
Ion Ratio Lower Upper

173 100

175 49.0 38.0 57.0

254 8.3 6.5 9.7

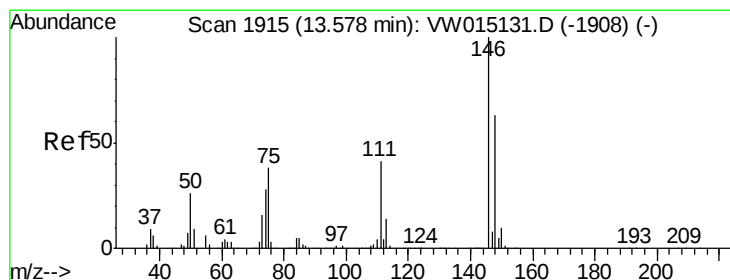
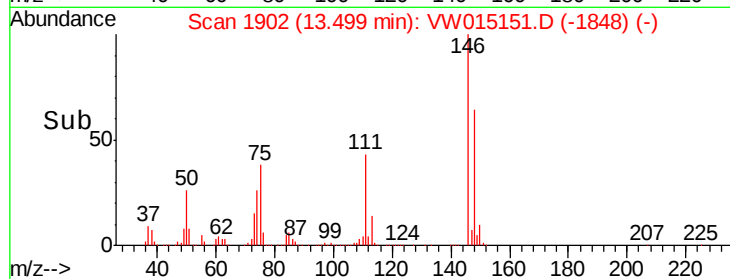
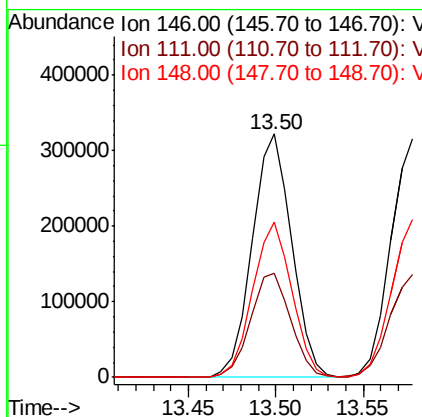
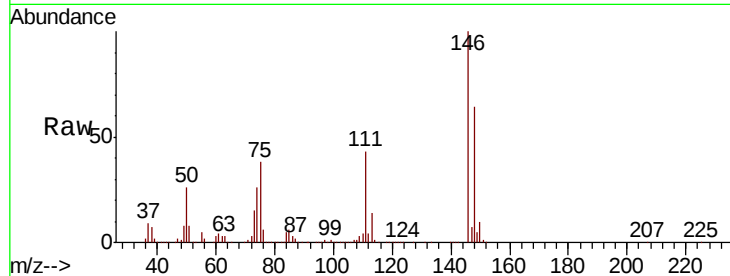




#63
 1,3-Dichlorobenzene
 Concen: 25.171 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW015151.D
 Acq: 03 Apr 2020 09:55

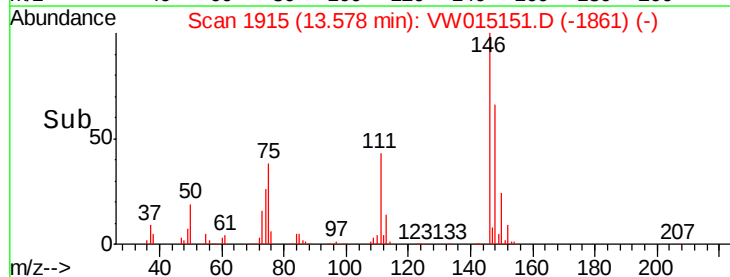
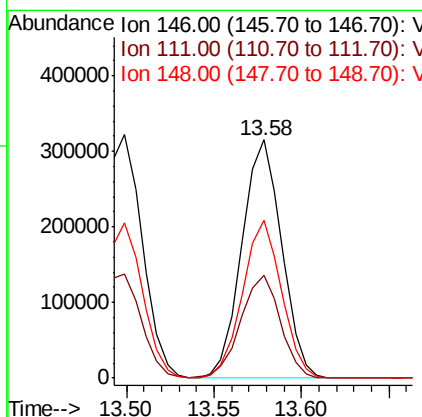
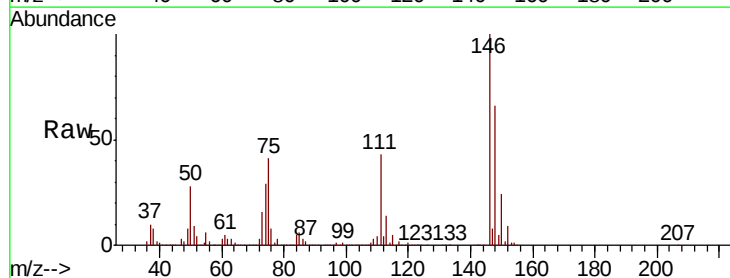
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02519

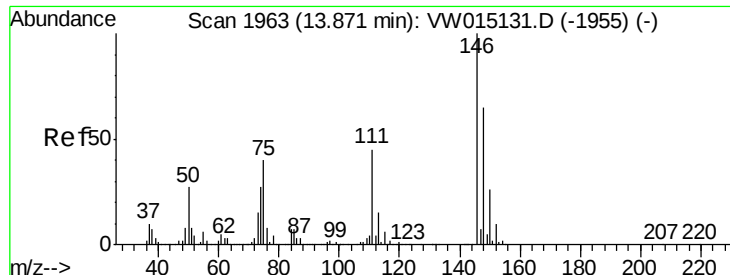
Tot Ion:146 Resp: 504185
 Ion Ratio Lower Upper
 146 100
 111 42.8 31.9 59.2
 148 63.7 45.2 84.0



#64
 1,4-Dichlorobenzene
 Concen: 24.410 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW015151.D
 Acq: 03 Apr 2020 09:55

Tgt Ion:146 Resp: 500245
 Ion Ratio Lower Upper
 146 100
 111 43.4 28.8 53.4
 148 66.4 44.0 81.6

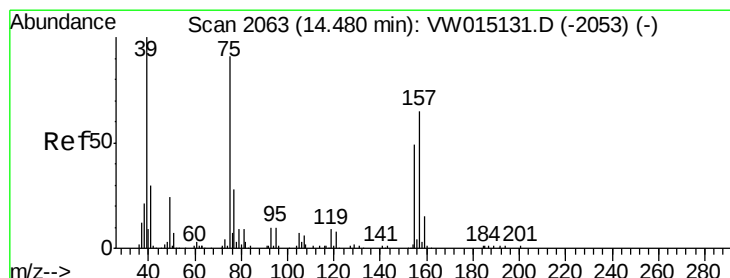
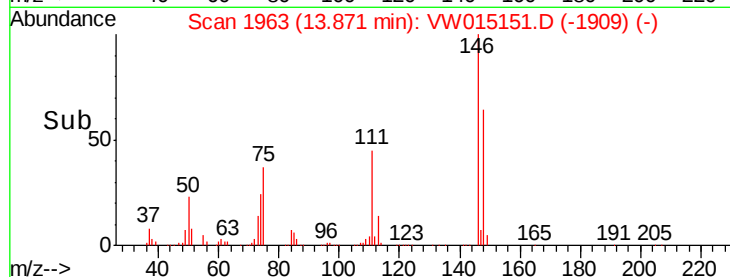
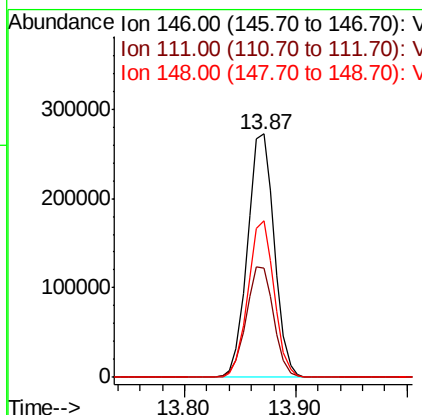
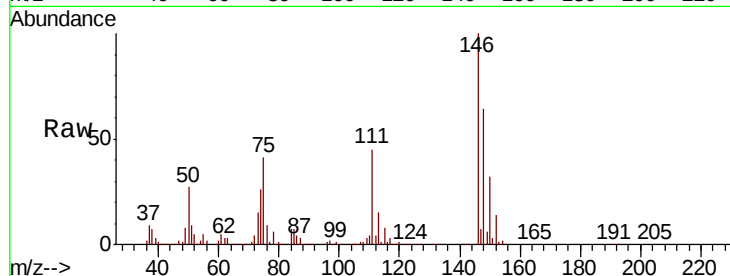




#65
 1,2-Dichlorobenzene
 Concen: 24.959 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW015151.D
 Acq: 03 Apr 2020 09:55

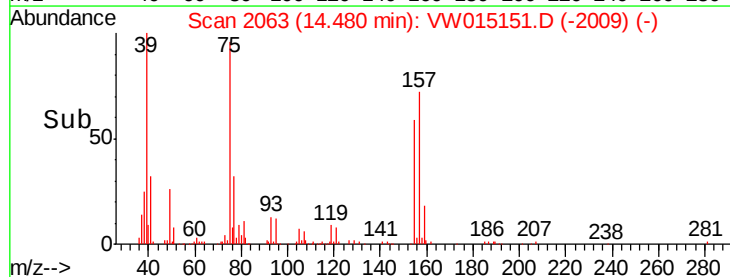
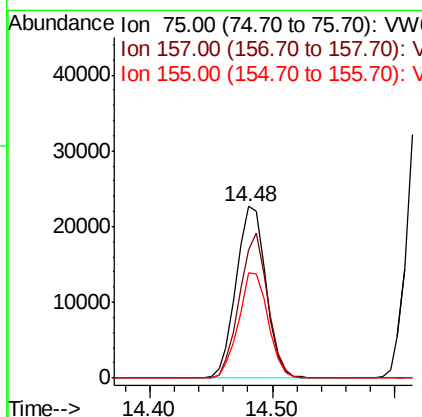
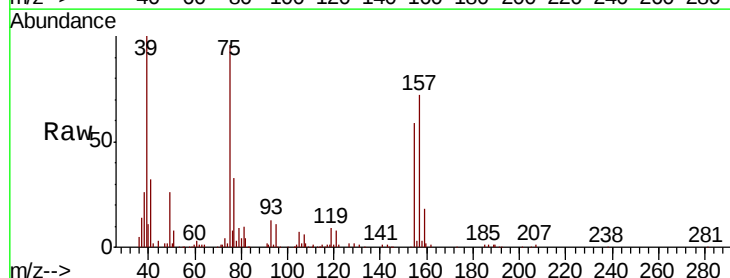
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02519

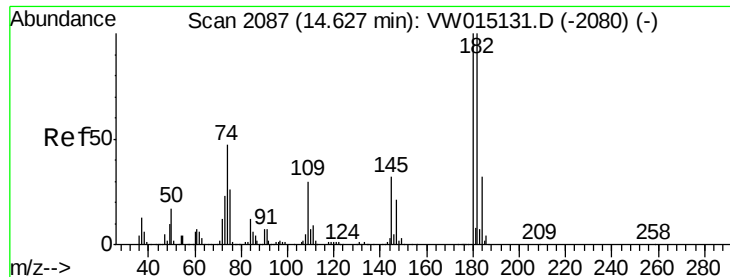
Tot Ion	Ratio	Lower	Upper
146	100		
111	45.0	35.8	53.8
148	64.4	52.3	78.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 22.053 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW015151.D
 Acq: 03 Apr 2020 09:55

Tgt Ion	Ratio	Lower	Upper
75	100		
157	74.9	57.3	85.9
155	61.3	43.2	64.8

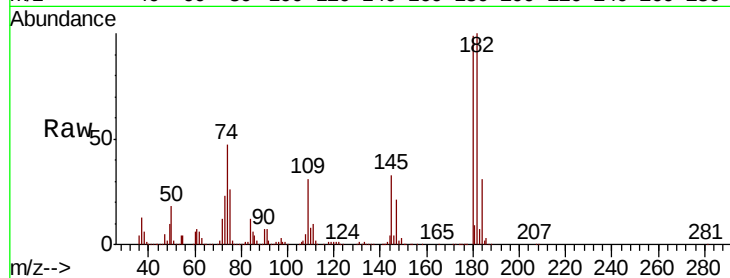




#67
 1,3,5-Trichlorobenzene
 Concen: 26.003 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW015151.D
 Acq: 03 Apr 2020 09:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02519

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	77.0	115.6
184	30.5	24.0	36.0
145	32.1	25.4	38.2



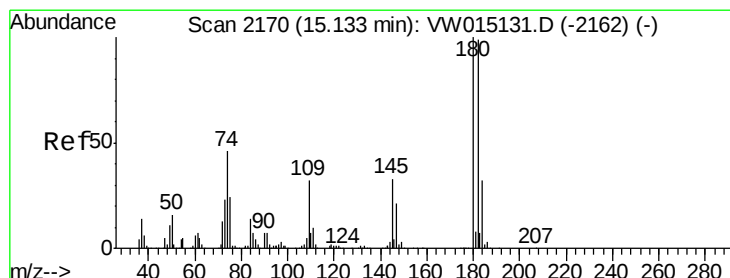
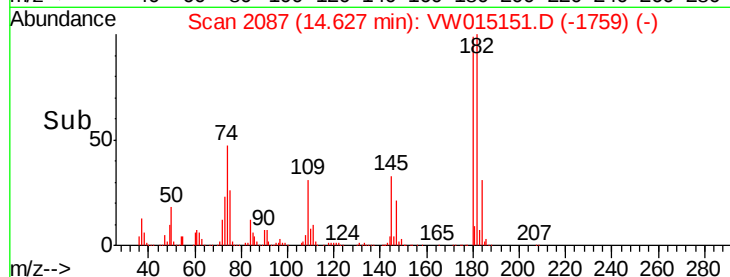
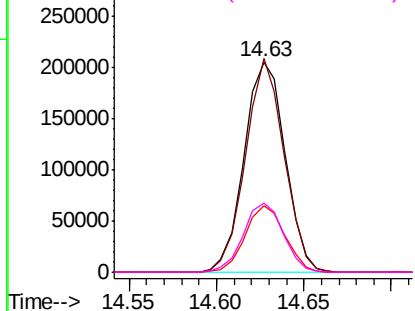
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

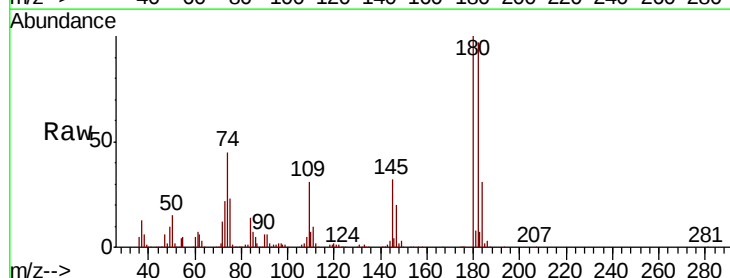
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 27.778 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW015151.D
 Acq: 03 Apr 2020 09:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	75.8	113.6
145	31.7	25.8	38.6

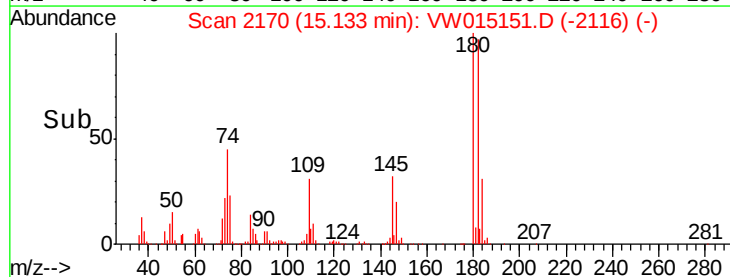
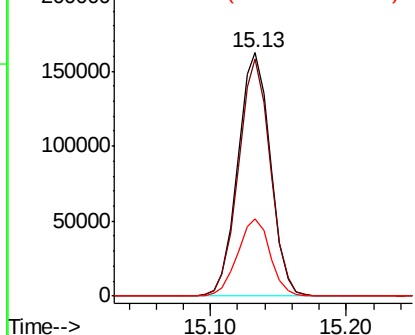


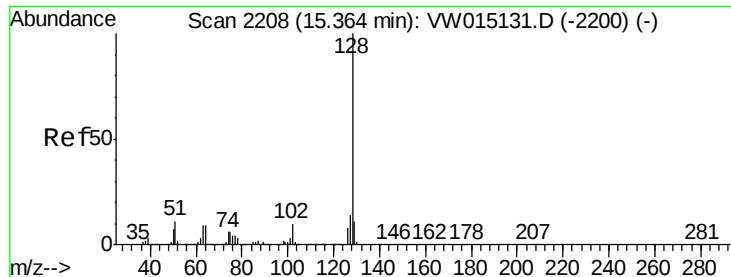
Abundance

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: 27.711 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW015151.D

Acq: 03 Apr 2020 09:55

Instrument :

MSVOA_W

ClientSampleId :

VSTD02519

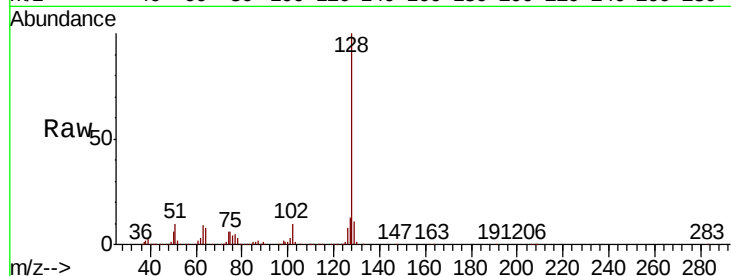
Tot Ion:128 Resp: 523671

Ion Ratio Lower Upper

128 100

129 10.7 8.9 13.3

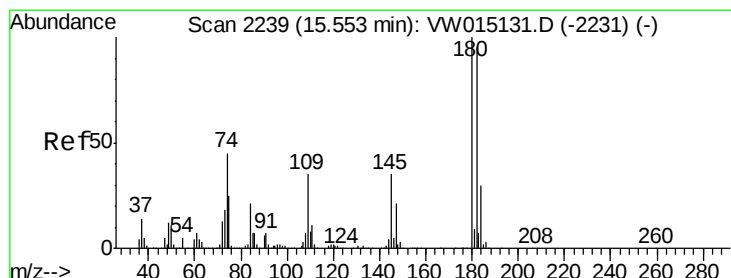
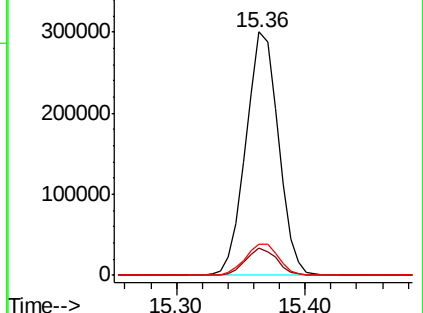
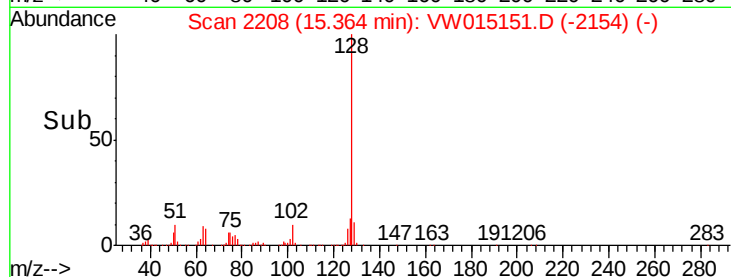
127 13.3 11.0 16.4



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: 26.785 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW015151.D

Acq: 03 Apr 2020 09:55

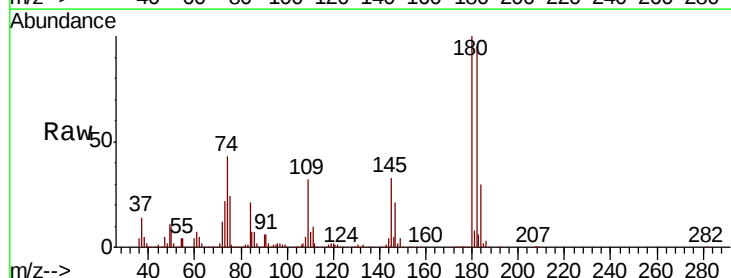
Tgt Ion:180 Resp: 241920

Ion Ratio Lower Upper

180 100

182 96.1 75.9 113.9

145 34.2 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

