

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072120\
 Data File : VW015897.D
 Acq On : 21 Jul 2020 19:19
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

Quant Time: Jul 22 06:28:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 22 06:22:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	431941	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	409106	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	194126	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	124120	20.36	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.44%
7) Chloroethane-d5	2.89	69	108146	21.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.40%
10) 1,1-Dichloroethene-d2	4.02	63	266371	21.62	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	86.48%
20) 2-Butanone-d5	7.08	46	93712	58.53	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	117.06%
24) Chloroform-d	7.65	84	277465	22.87	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.48%
26) 1,2-Dichloroethane-d4	8.31	65	157846	23.70	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.80%
29) Benzene-d6	8.27	84	538664	21.63	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	86.52%
33) 1,2-Dichloropropane-d6	9.27	67	163588	21.91	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	87.64%
37) Toluene-d8	10.32	98	483569	21.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	85.76%
38) trans-1,3-Dichloropropene-	10.58	79	70334	22.10	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.40%
39) 2-Hexanone-d5	10.93	63	70895	57.03	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	114.06%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	144613	25.20	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.80%
61) 1,2-Dichlorobenzene-d4	13.86	152	171256	22.62	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.48%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	84453	23.106	ug/L 96
3) Chloromethane	2.21	50	93524	21.157	ug/L 98
5) Vinyl chloride	2.37	62	160697	23.570	ug/L 99
6) Bromomethane	2.78	94	96294	23.674	ug/L 98
8) Chloroethane	2.93	64	98221	24.592	ug/L 99
9) Trichlorofluoromethane	3.26	101	110411	24.092	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	136966	24.449	ug/L 99
12) 1,1-Dichloroethene	4.04	96	133533	24.049	ug/L 97
13) Acetone	4.12	43	73768	54.865	ug/L 98
14) Carbon disulfide	4.38	76	407848	23.258	ug/L 100
15) Methyl Acetate	4.68	43	74472	29.376	ug/L 98
16) Methylene chloride	4.92	84	163297	23.072	ug/L 96
17) Methyl tert-butyl Ether	5.43	73	213094	27.140	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	144776	24.691	ug/L 97
19) 1,1-Dichloroethane	6.22	63	268146	24.817	ug/L 99
21) 2-Butanone	7.18	43	101228	60.885	ug/L 100
22) cis-1,2-Dichloroethene	7.17	96	154771	25.229	ug/L 96

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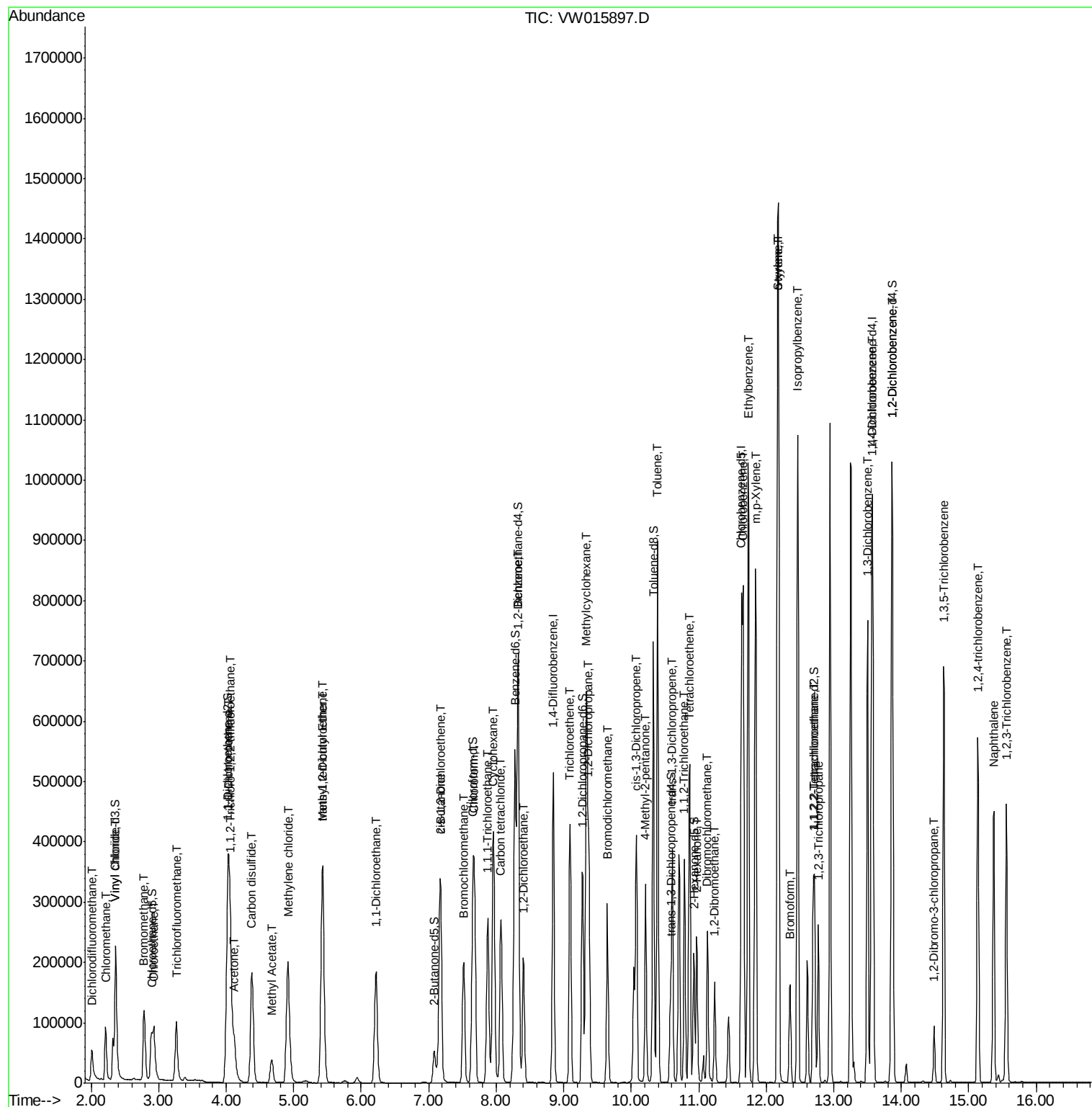
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	70487	26.203	ug/L	95
25) Chloroform	7.68	83	273214	25.513	ug/L	98
27) 1,2-Dichloroethane	8.40	62	191169	26.235	ug/L	98
30) Cyclohexane	7.96	56	237099	22.985	ug/L	99
31) 1,1,1-Trichloroethane	7.88	97	223012	23.346	ug/L	100
32) Carbon tetrachloride	8.07	117	201606	23.274	ug/L	99
34) Benzene	8.33	78	599938	24.145	ug/L	100
35) Trichloroethene	9.09	95	154244	23.466	ug/L	99
36) Methylcyclohexane	9.34	83	265544	23.544	ug/L	99
40) 1,2-Dichloropropane	9.37	63	152316	24.745	ug/L	100
41) Bromodichloromethane	9.65	83	195220	24.558	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	233946	24.954	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	209843	58.405	ug/L	100
44) Toluene	10.39	91	642828	24.667	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	207968	25.593	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	114997	25.980	ug/L	98
47) Tetrachloroethene	10.87	164	117491	23.029	ug/L	97
49) 2-Hexanone	10.97	43	149371	58.585	ug/L	99
50) Dibromochloromethane	11.13	129	129946	25.357	ug/L	98
51) 1,2-Dibromoethane	11.24	107	111117	26.241	ug/L #	96
52) Chlorobenzene	11.66	112	406929	24.368	ug/L	99
53) Ethylbenzene	11.73	91	723094	24.675	ug/L	97
54) m,p-Xylene	11.84	106	265692	24.234	ug/L	99
55) o-xylene	12.17	106	256957	24.890	ug/L	99
56) Styrene	12.18	104	451079	25.693	ug/L	99
57) Isopropylbenzene	12.46	105	696486	24.783	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	144715	27.842	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	109635	28.152	ug/L	100
62) Bromoform	12.35	173	73199	25.632	ug/L	97
63) 1,3-Dichlorobenzene	13.50	146	304759	24.529	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	300689	23.846	ug/L	94
65) 1,2-Dichlorobenzene	13.87	146	276522	24.503	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.49	75	24705	29.084	ug/L	92
67) 1,3,5-Trichlorobenzene	14.63	180	214624	24.568	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	179767	25.907	ug/L	98
69) Naphthalene	15.37	128	386033	29.530	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	161723	26.157	ug/L	97

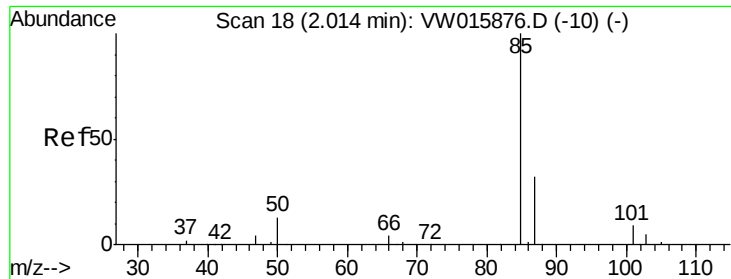
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 23.106 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW015897.D

Acq: 21 Jul 2020 19:19

Instrument :

MSVOA_W

ClientSampleId :

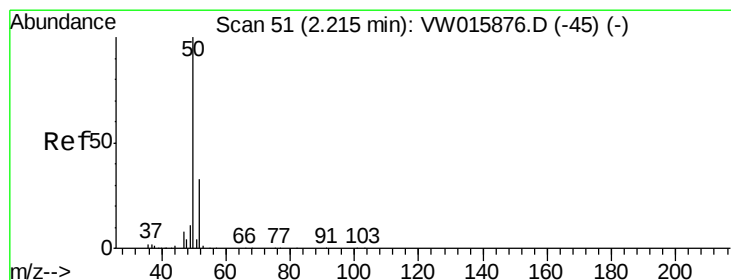
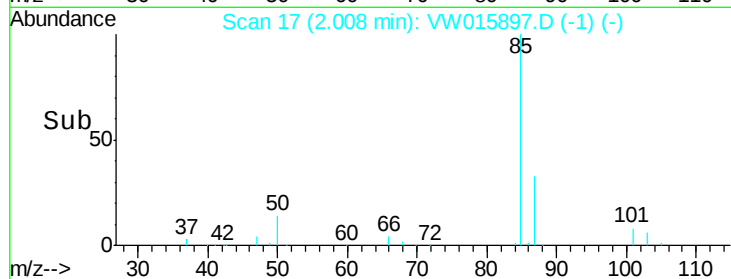
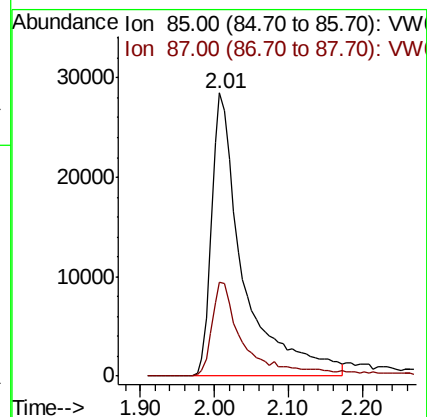
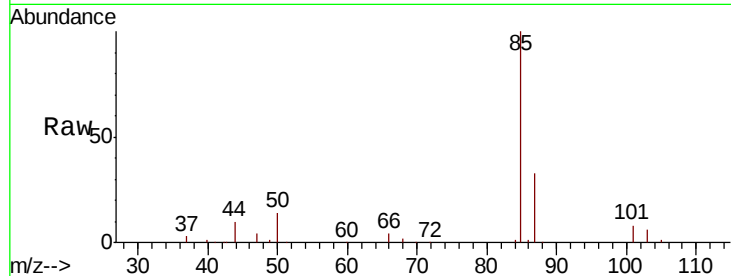
VSTD02529

Tot Ion: 85 Resp: 84453

Ion Ratio Lower Upper

85 100

87 27.8 21.0 39.0



#3

Chloromethane

Concen: 21.157 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015897.D

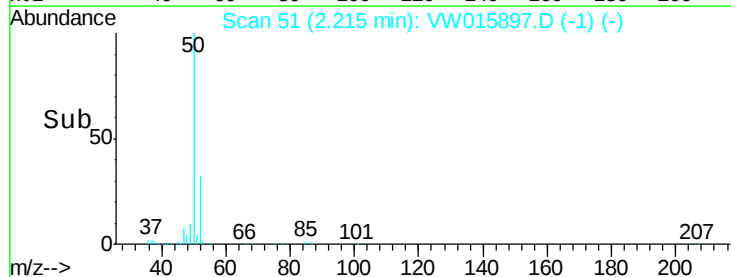
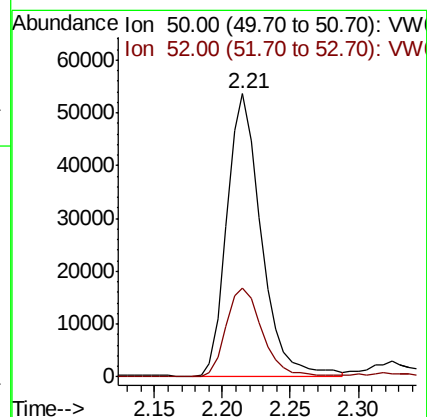
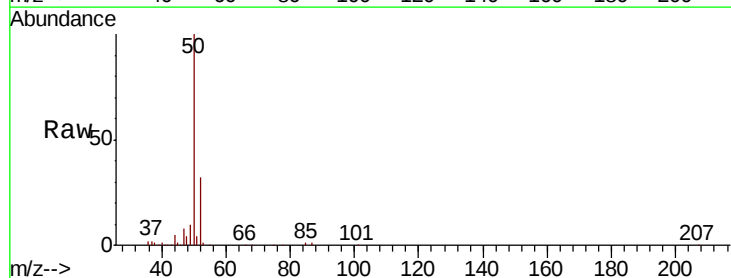
Acq: 21 Jul 2020 19:19

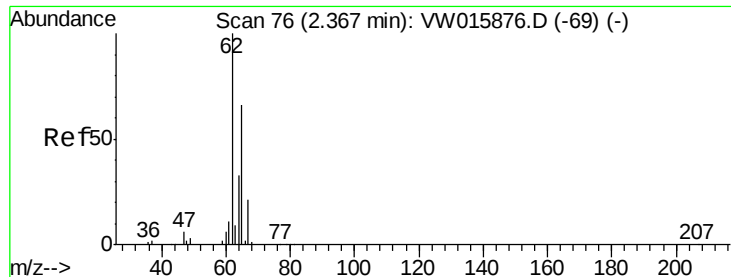
Tgt Ion: 50 Resp: 93524

Ion Ratio Lower Upper

50 100

52 31.6 22.8 42.4





#5

Vinyl chloride

Concen: 23.570 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW015897.D

Acq: 21 Jul 2020 19:19

Instrument :

MSVOA_W

ClientSampleId :

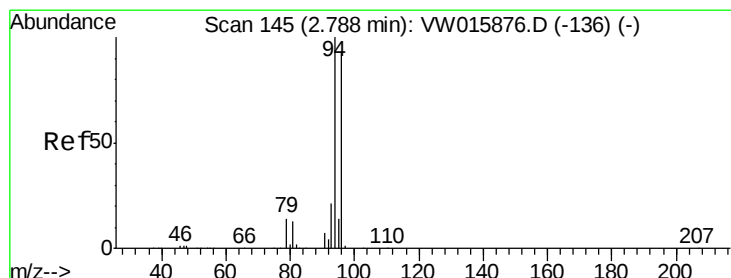
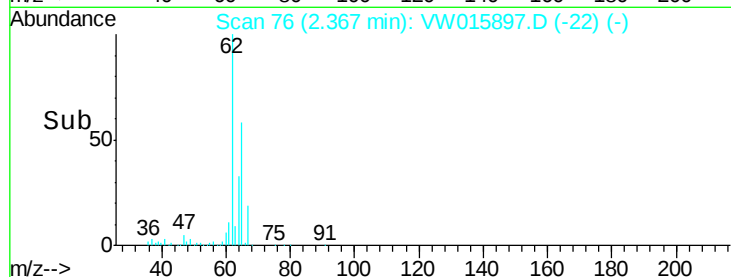
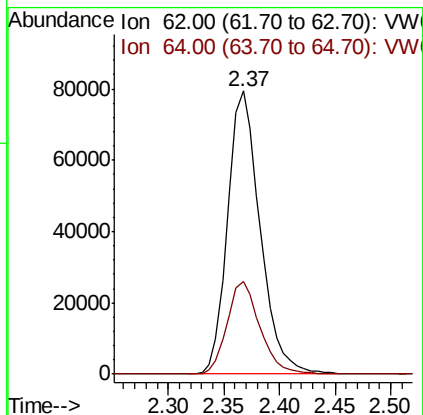
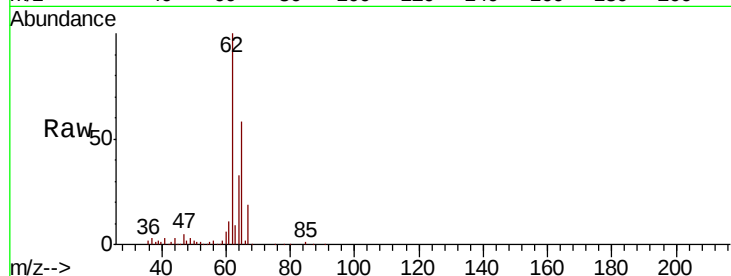
VSTD02529

Tot Ion: 62 Resp: 160697

Ion Ratio Lower Upper

62 100

64 32.8 23.2 43.0



#6

Bromomethane

Concen: 23.674 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW015897.D

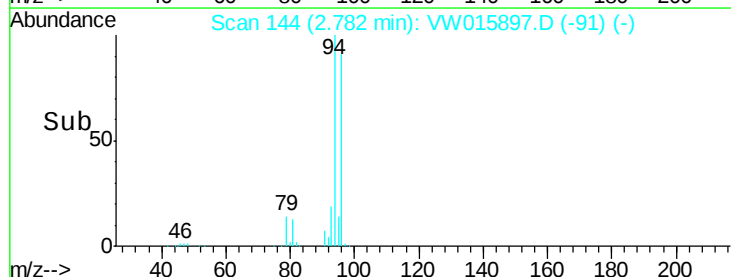
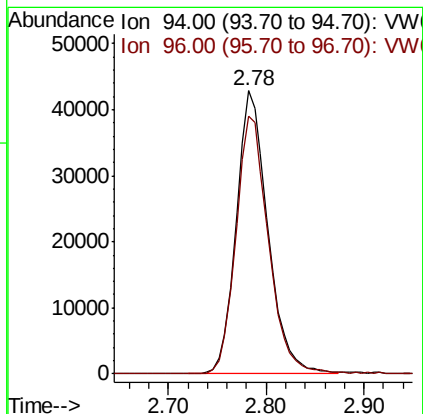
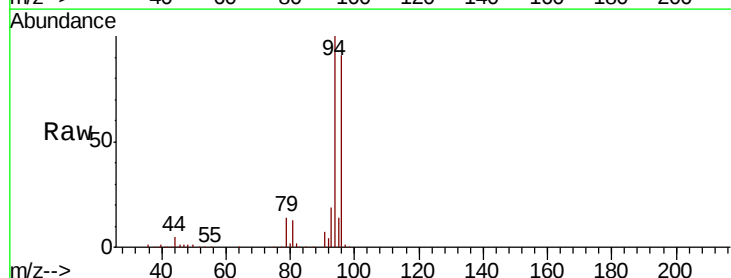
Acq: 21 Jul 2020 19:19

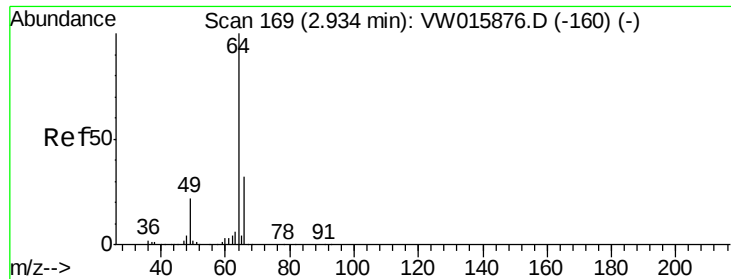
Tgt Ion: 94 Resp: 96294

Ion Ratio Lower Upper

94 100

96 93.2 9.5 180.1





#8

Chloroethane

Concen: 24.592 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW015897.D

Acq: 21 Jul 2020 19:19

Instrument :

MSVOA_W

ClientSampleId :

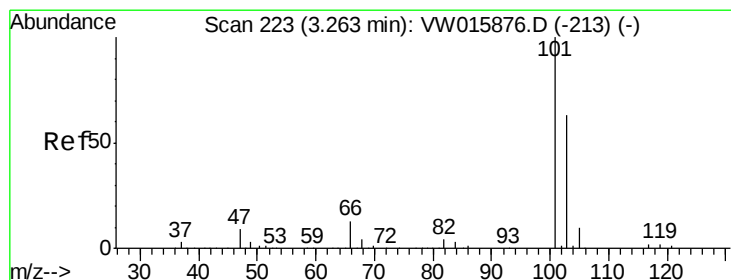
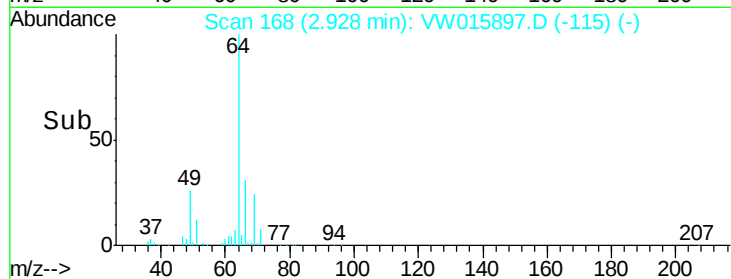
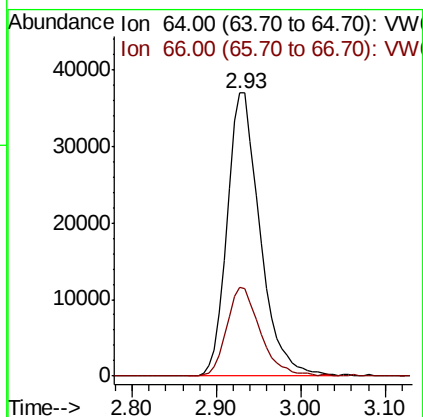
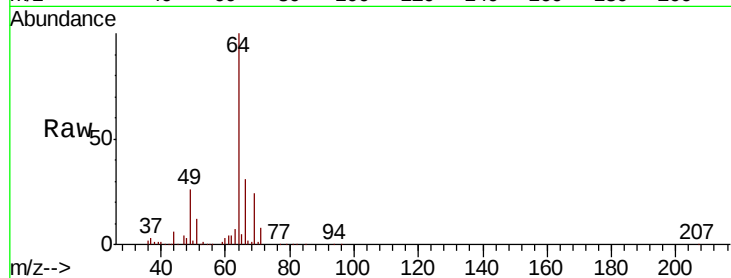
VSTD02529

Tot Ion: 64 Resp: 98221

Ion Ratio Lower Upper

64 100

66 31.4 21.8 40.4



#9

Trichlorofluoromethane

Concen: 24.092 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.00 min

Lab File: VW015897.D

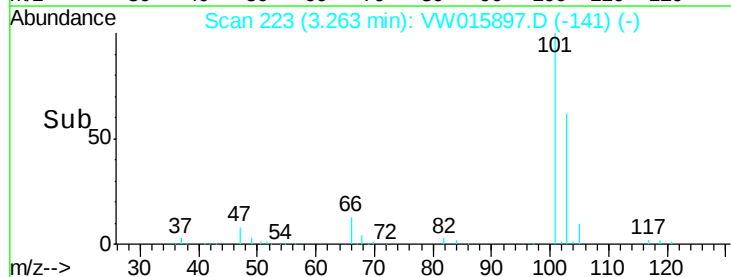
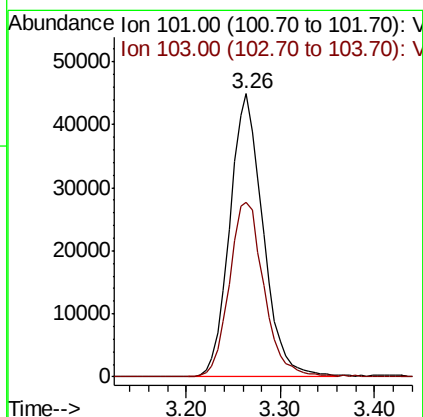
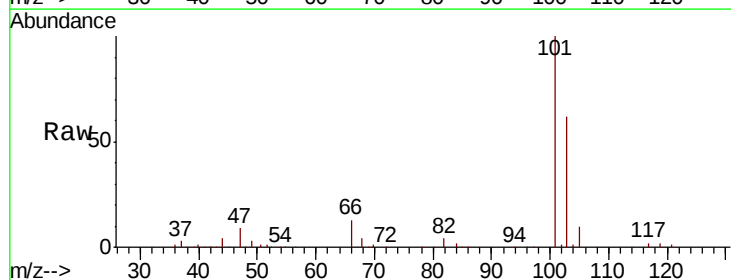
Acq: 21 Jul 2020 19:19

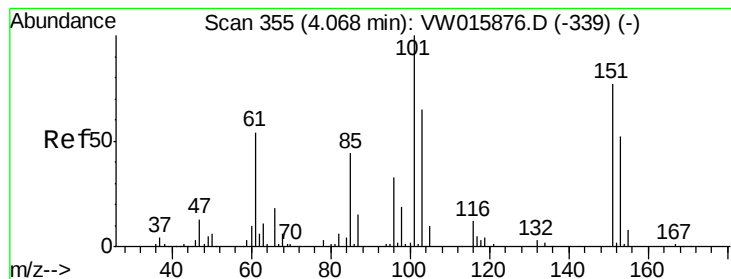
Tgt Ion: 101 Resp: 110411

Ion Ratio Lower Upper

101 100

103 64.2 45.8 85.2





#11

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

Concen: 24.449 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW015897.D

Acq: 21 Jul 2020 19:19

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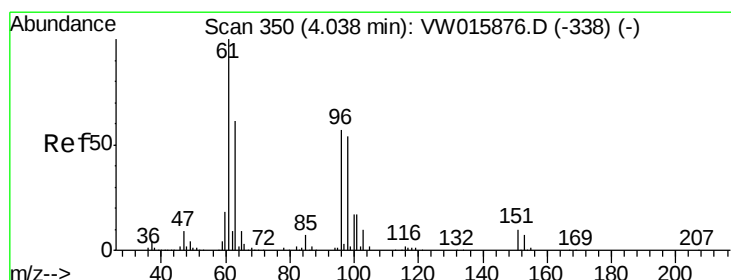
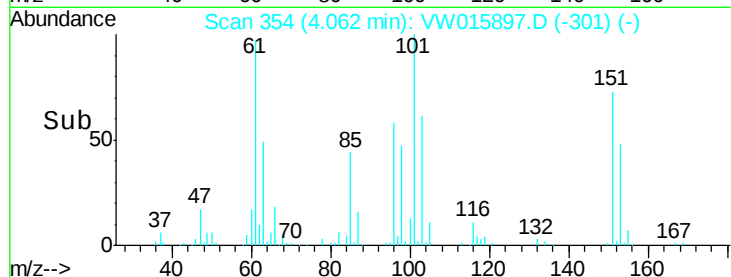
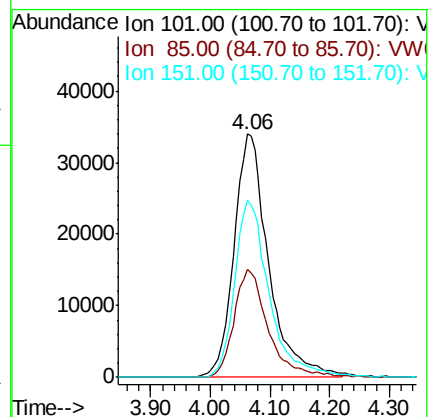
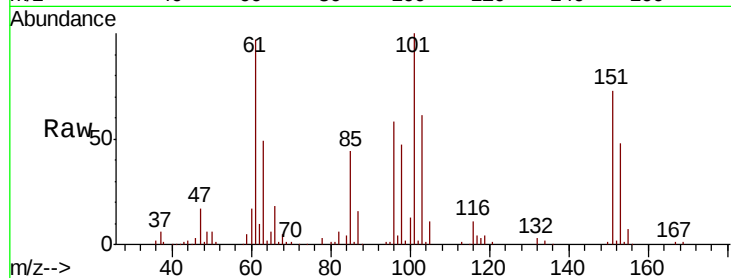
Tot Ion:101 Resp: 136966

Ion Ratio Lower Upper

101 100

85 43.6 35.5 53.3

151 73.1 58.4 87.6



#12

1,1-Dichloroethene

Concen: 24.049 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW015897.D

Acq: 21 Jul 2020 19:19

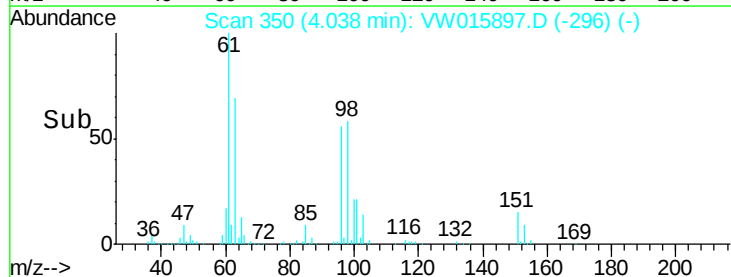
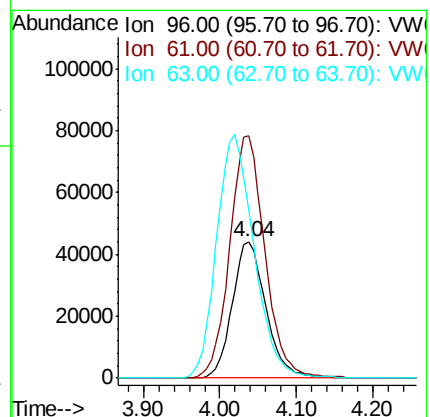
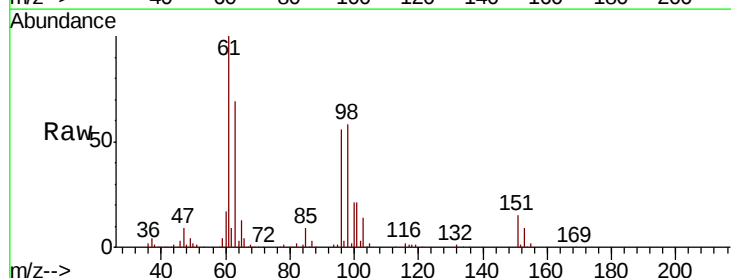
Tgt Ion: 96 Resp: 133533

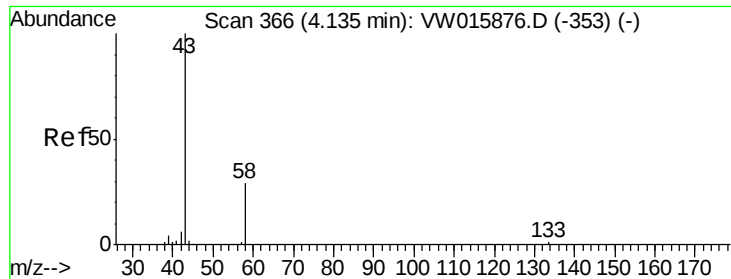
Ion Ratio Lower Upper

96 100

61 177.8 125.0 232.2

63 123.5 82.3 152.8





#13

Acetone

Concen: 54.865 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

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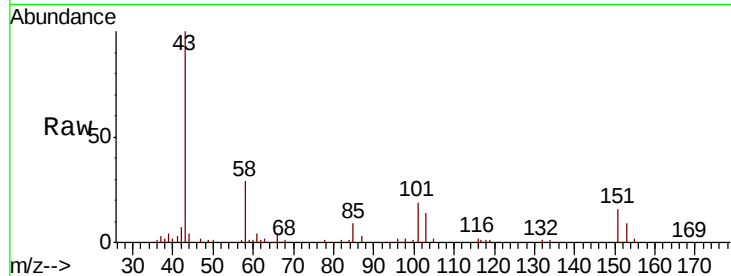
VSTD02529

Tot Ion: 43 Resp: 73768

Ion Ratio Lower Upper

43 100

58 30.4 0.0 58.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

30000

25000

20000

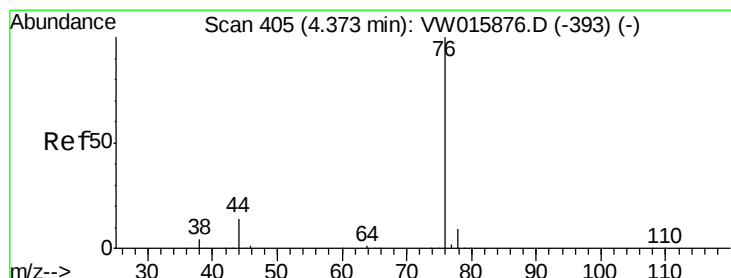
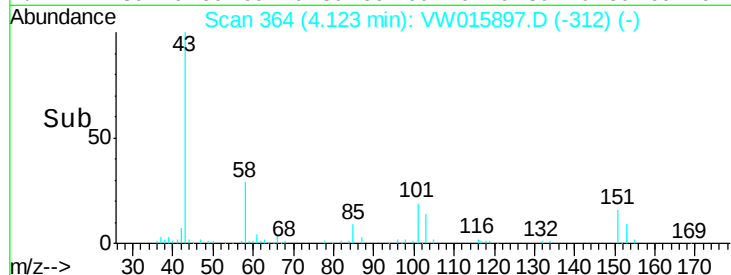
15000

10000

5000

0

Time-->



#14

Carbon disulfide

Concen: 23.258 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW015897.D

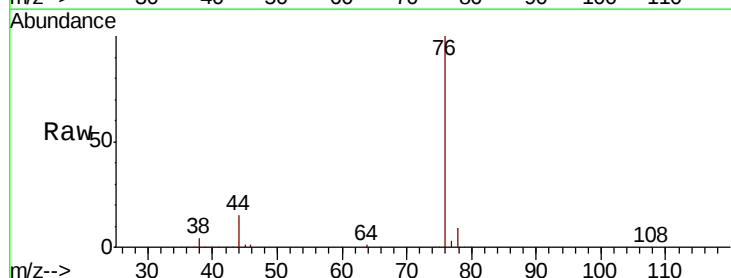
Acq: 21 Jul 2020 19:19

Tgt Ion: 76 Resp: 407848

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

4.38

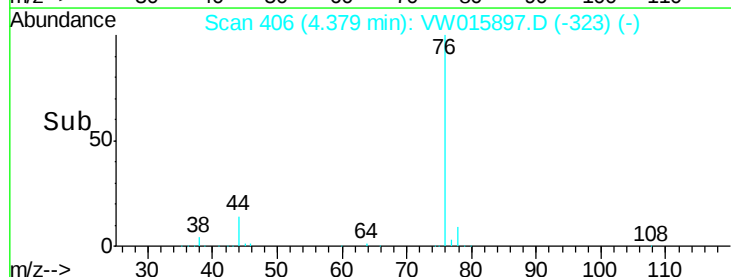
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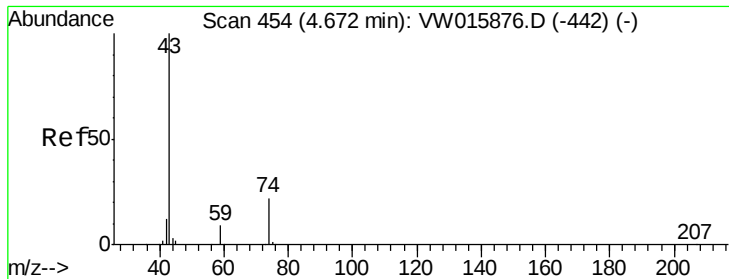
100000

50000

0

Time-->





#15

Methyl Acetate

Concen: 29.376 ug/L

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

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ClientSampled :

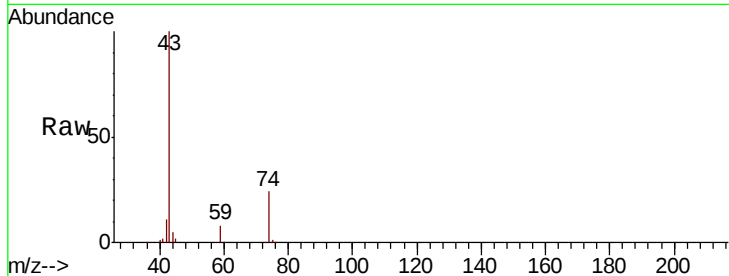
VSTD02529

Tot Ion: 43 Resp: 74472

Ion Ratio Lower Upper

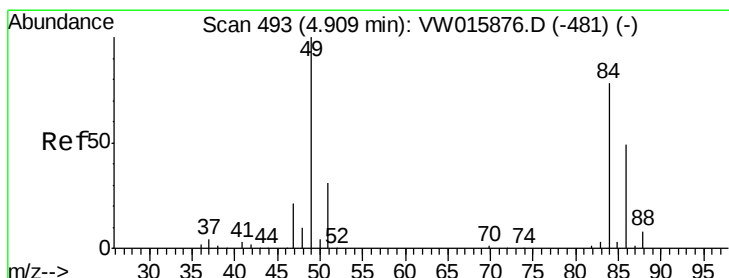
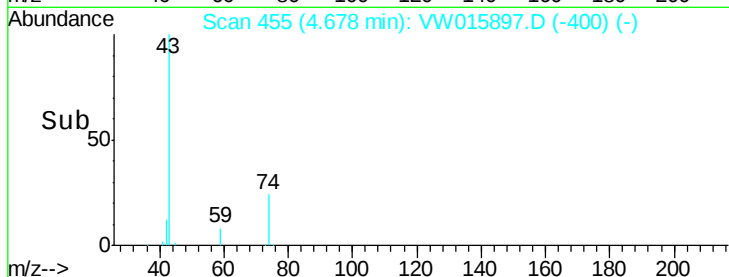
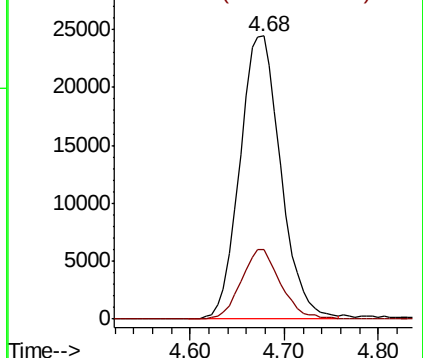
43 100

74 23.6 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 23.072 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW015897.D

Acq: 21 Jul 2020 19:19

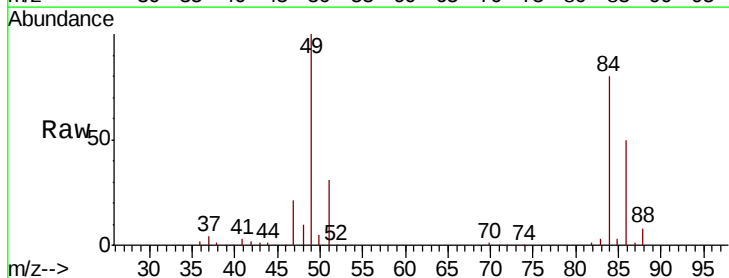
Tgt Ion: 84 Resp: 163297

Ion Ratio Lower Upper

84 100

49 125.6 91.1 169.1

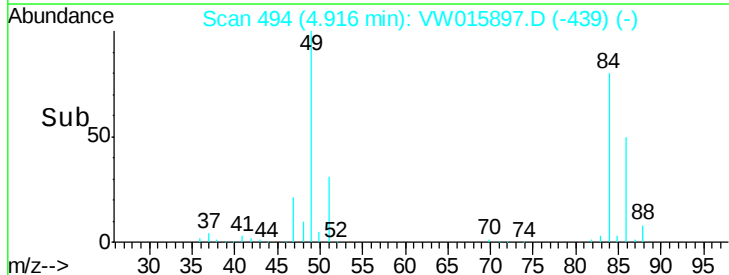
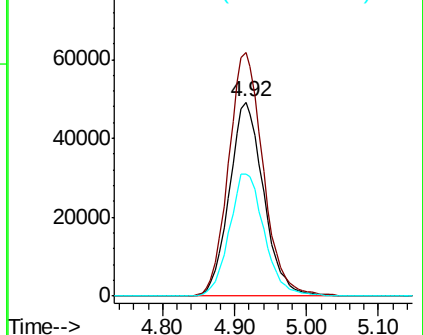
86 63.1 46.0 85.4

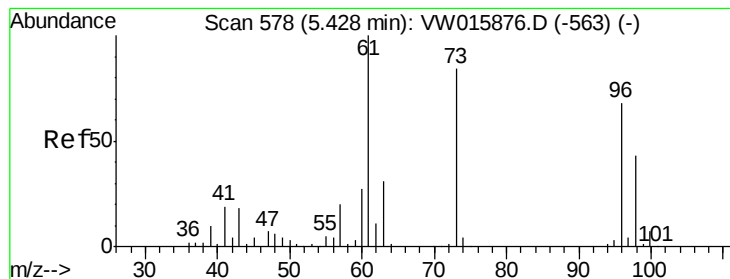


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW





#17

Methvl tert-butvl Ether

Concen: 27.140 ug/L

RT: 5.43 min Scan# 579

Delta R.T. 0.01 min

Lab File: VW015897.D

Acq: 21 Jul 2020 19:19

Instrument :

MSVOA_W

ClientSampleId :

VSTD02529

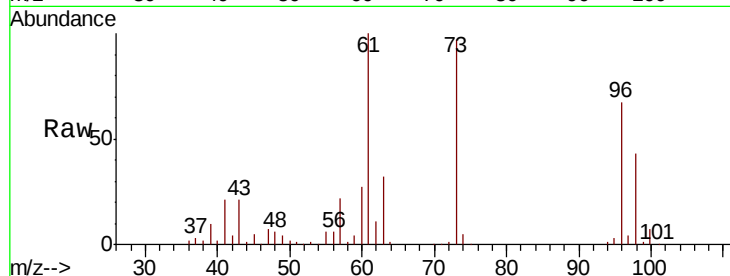
Tot Ion: 73 Resp: 213094

Ion Ratio Lower Upper

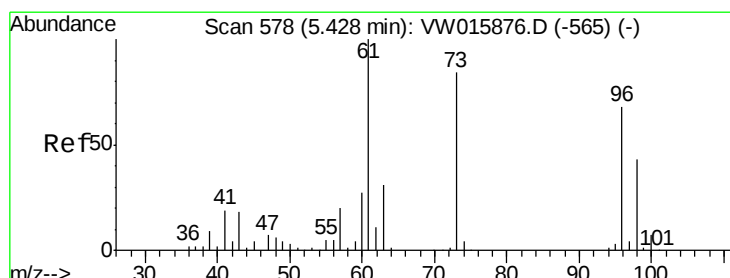
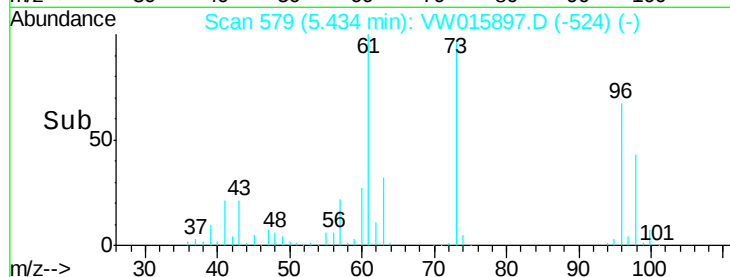
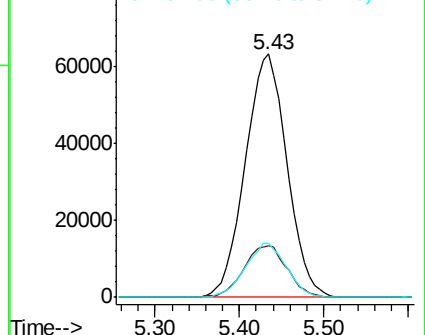
73 100

43 22.0 18.4 27.6

57 22.0 17.8 26.8



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



#18

trans-1,2-Dichloroethene

Concen: 24.691 ug/L

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW015897.D

Acq: 21 Jul 2020 19:19

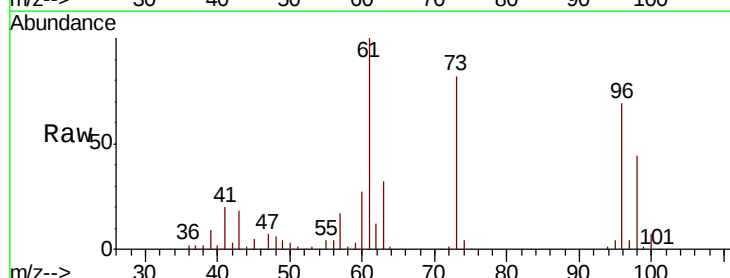
Tgt Ion: 96 Resp: 144776

Ion Ratio Lower Upper

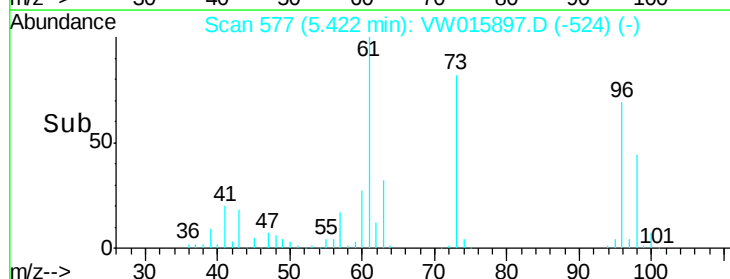
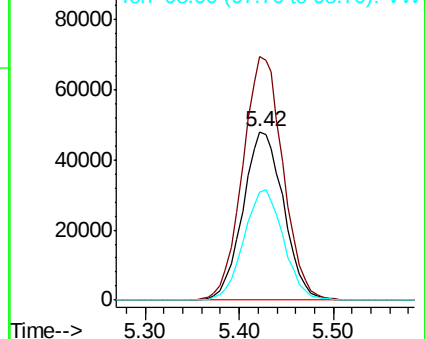
96 100

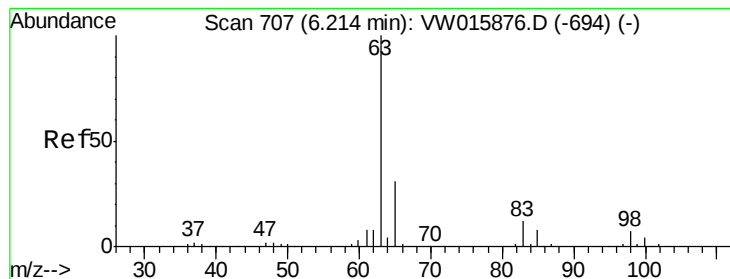
61 144.6 99.3 184.5

98 64.2 42.9 79.7



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





#19

1,1-Dichloroethane

Concen: 24.817 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW015897.D

Acq: 21 Jul 2020 19:19

Instrument :

MSVOA_W

ClientSampleId :

VSTD02529

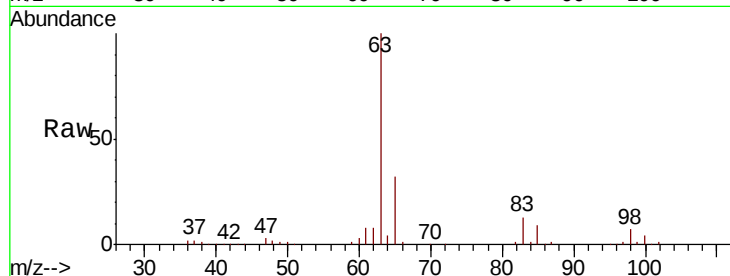
Tot Ion: 63 Resp: 268146

Ion Ratio Lower Upper

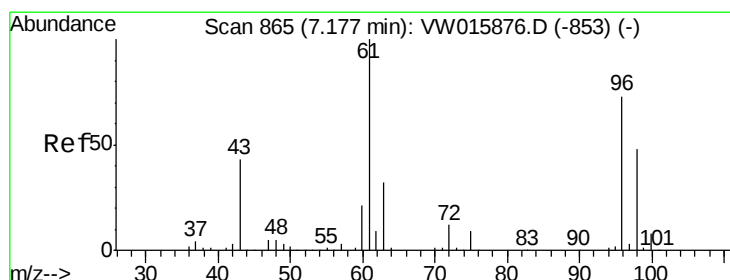
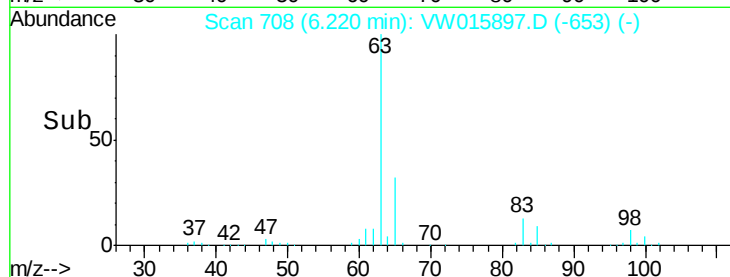
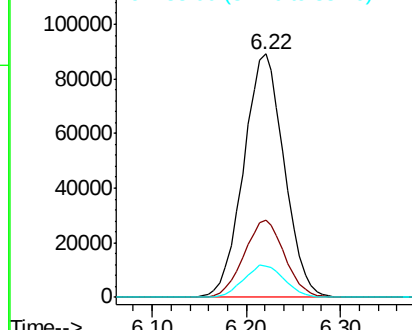
63 100

65 31.5 22.2 41.2

83 12.7 9.8 18.2



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



#21

2-Butanone

Concen: 60.885 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW015897.D

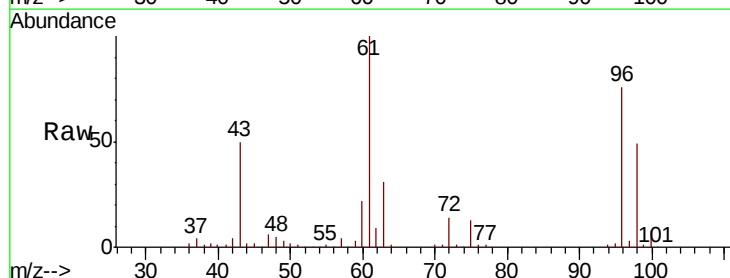
Acq: 21 Jul 2020 19:19

Tgt Ion: 43 Resp: 101228

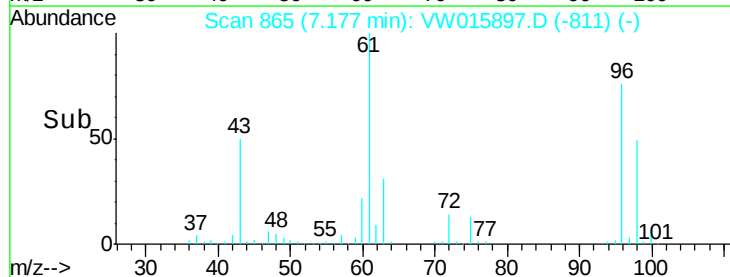
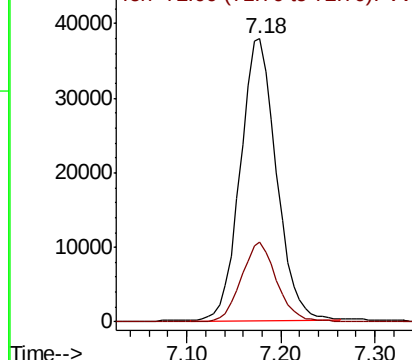
Ion Ratio Lower Upper

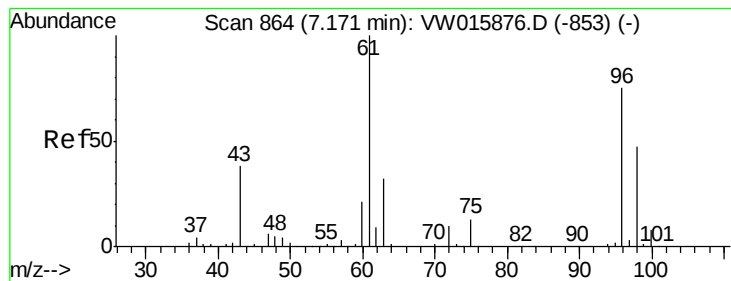
43 100

72 28.0 13.9 41.7



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



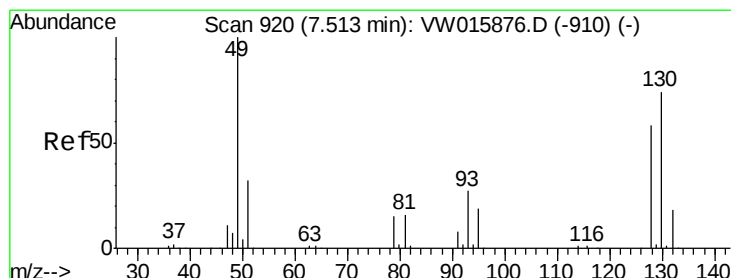
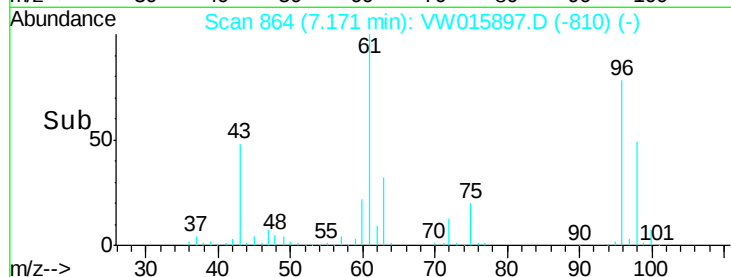
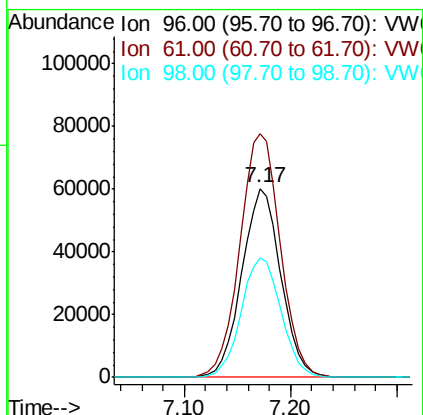
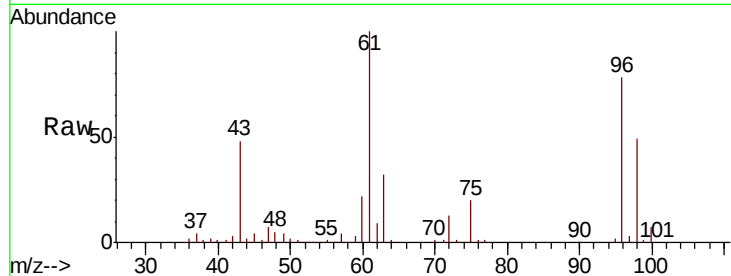


#22

cis-1,2-Dichloroethene
 Concen: 25.229 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW015897.D
 Acq: 21 Jul 2020 19:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

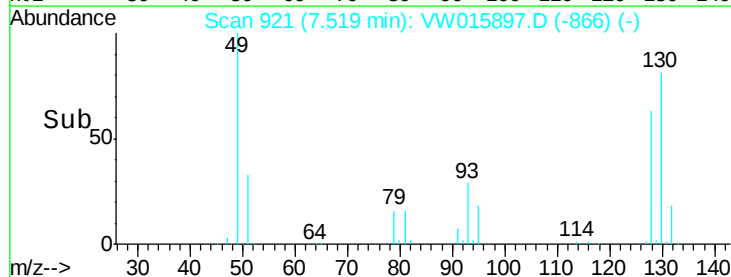
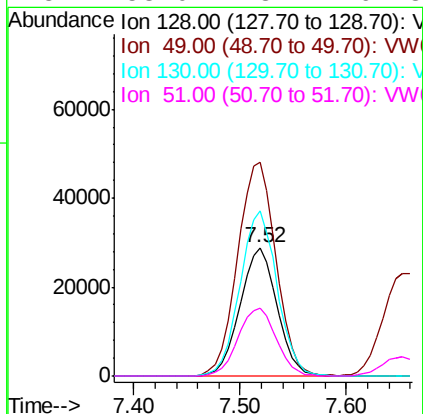
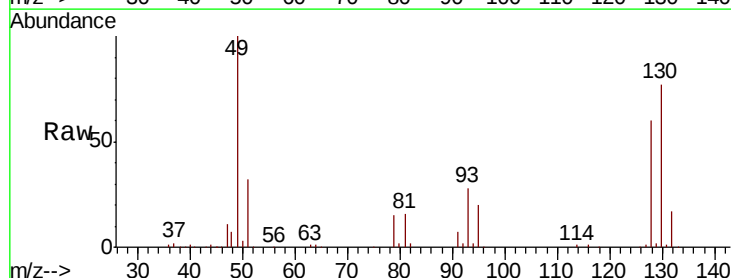
Tot Ion: 96 Resp: 154771
 Ion Ratio Lower Upper
 96 100
 61 129.0 94.6 175.8
 98 63.2 44.3 82.3

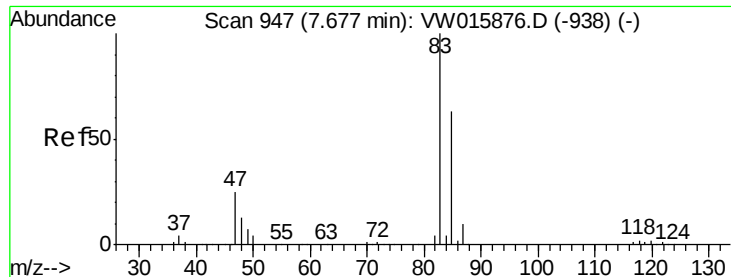


#23

Bromochloromethane
 Concen: 26.203 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. 0.01 min
 Lab File: VW015897.D
 Acq: 21 Jul 2020 19:19

Tgt Ion: 128 Resp: 70487
 Ion Ratio Lower Upper
 128 100
 49 166.6 122.4 227.2
 130 128.6 93.9 174.5
 51 53.0 43.2 64.8

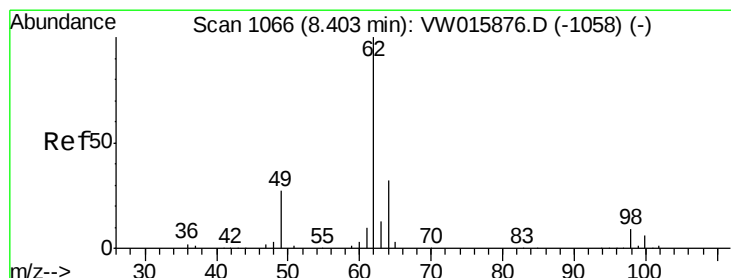
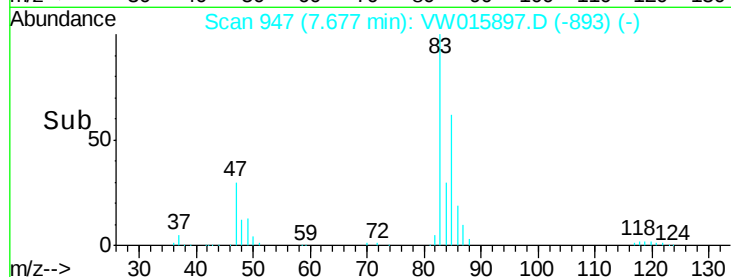
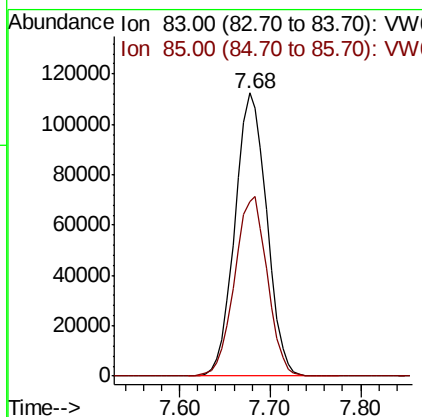
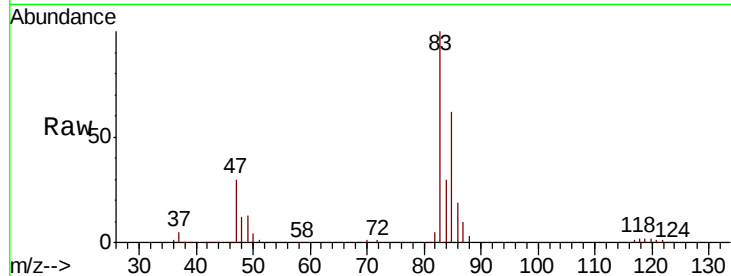




#25
Chloroform
Concen: 25.513 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW015897.D
Acq: 21 Jul 2020 19:19

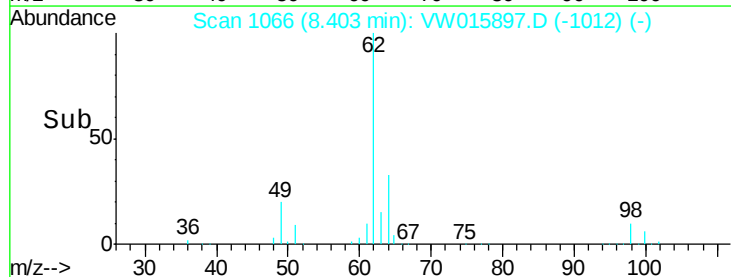
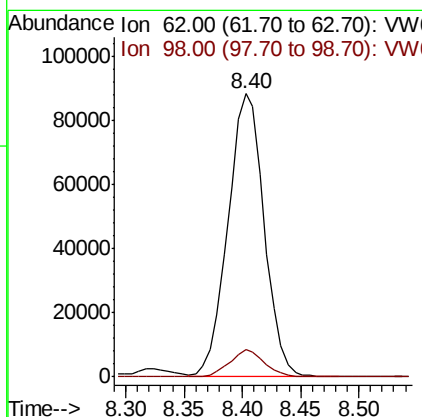
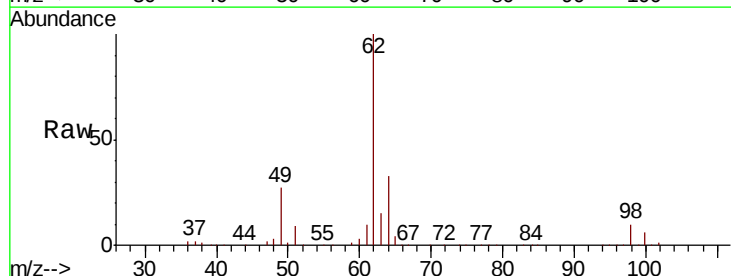
Instrument :
MSVOA_W
ClientSampleId :
VSTD02529

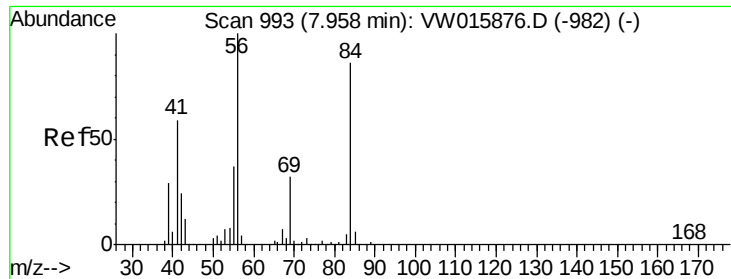
Tot Ion: 83 Resp: 273214
Ion Ratio Lower Upper
83 100
85 65.3 46.5 86.5



#27
1,2-Dichloroethane
Concen: 26.235 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW015897.D
Acq: 21 Jul 2020 19:19

Tgt Ion: 62 Resp: 191169
Ion Ratio Lower Upper
62 100
98 9.7 7.0 10.6

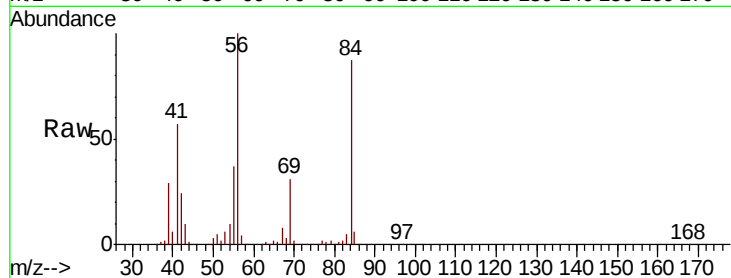




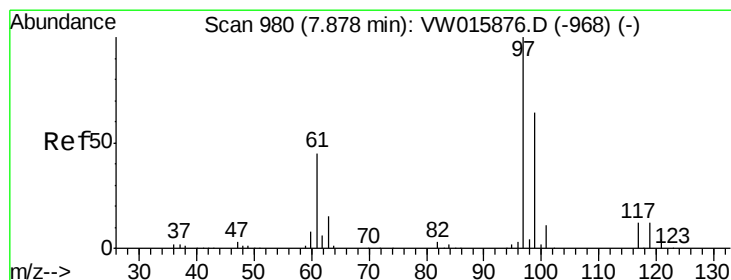
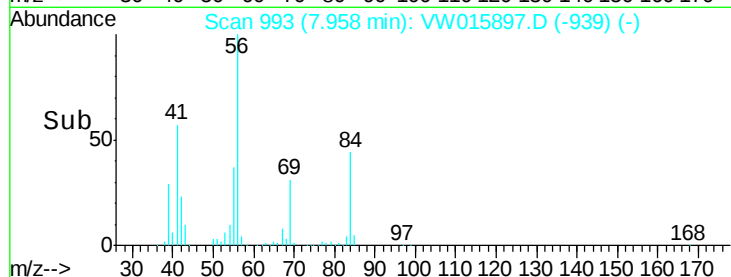
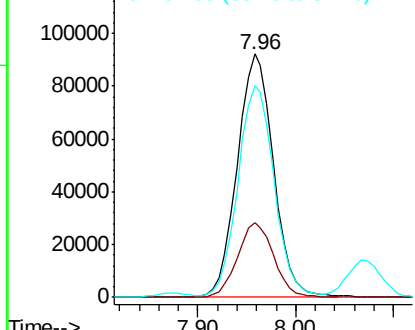
#30
Cyclohexane
Concen: 22.985 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW015897.D
Acq: 21 Jul 2020 19:19

Instrument :
MSVOA_W
ClientSampleId :
VSTD02529

Tot Ion: 56 Resp: 237099
Ion Ratio Lower Upper
56 100
69 30.8 24.4 36.6
84 87.7 69.3 103.9

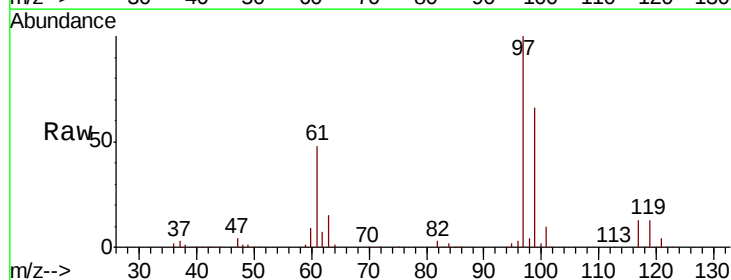


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

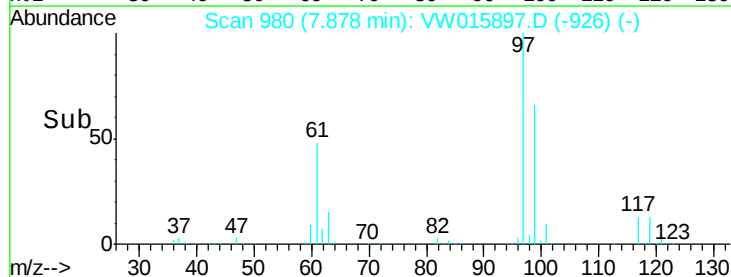
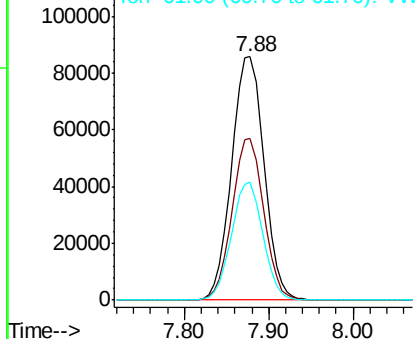


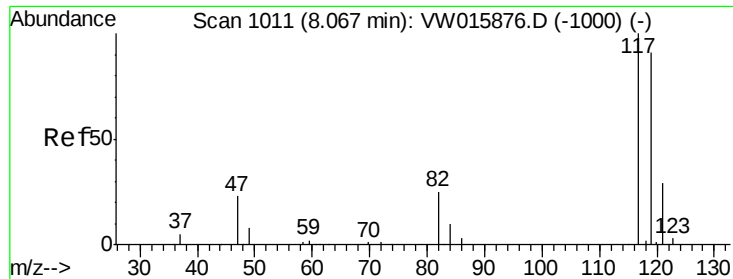
#31
1,1,1-Trichloroethane
Concen: 23.346 ug/L
RT: 7.88 min Scan# 980
Delta R.T. 0.00 min
Lab File: VW015897.D
Acq: 21 Jul 2020 19:19

Tgt Ion: 97 Resp: 223012
Ion Ratio Lower Upper
97 100
99 64.7 51.9 77.9
61 47.0 37.6 56.4



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: 23.274 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW015897.D

Acq: 21 Jul 2020 19:19

Instrument :

MSVOA_W

ClientSampleId :

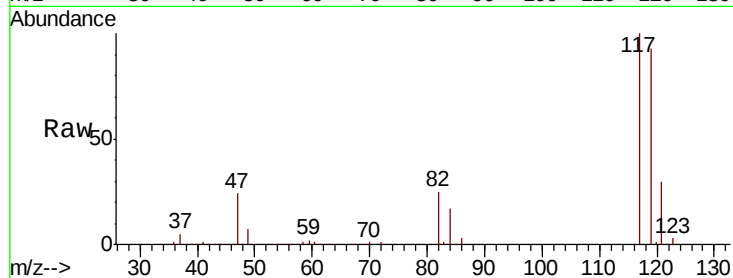
VSTD02529

Tot Ion:117 Resp: 201606

Ion Ratio Lower Upper

117 100

119 96.1 76.4 114.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

100000

80000

60000

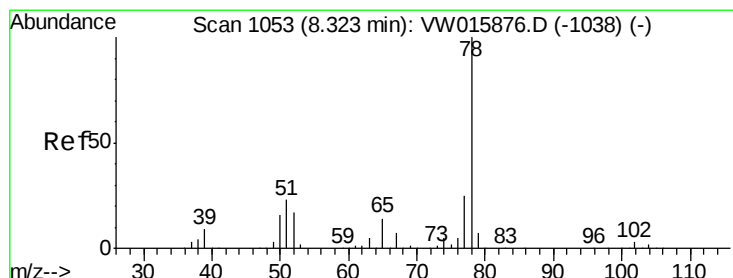
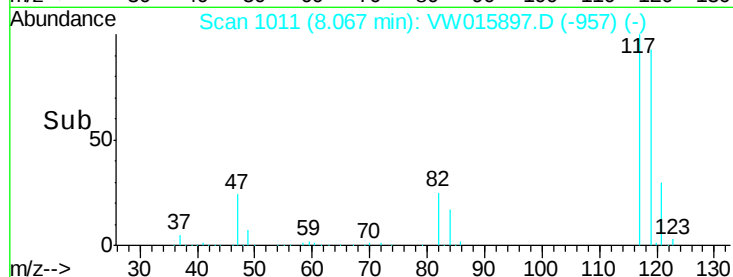
40000

20000

0

Time-->

8.00 8.10 8.20



#34

Benzene

Concen: 24.145 ug/L

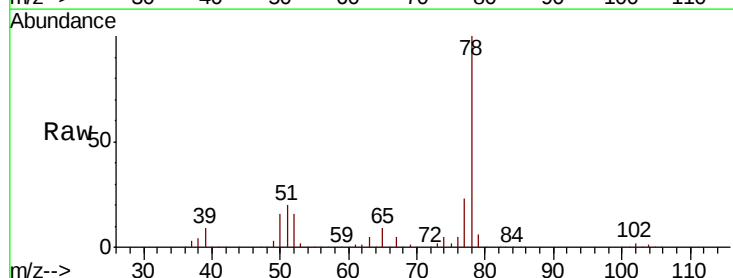
RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VW015897.D

Acq: 21 Jul 2020 19:19

Tgt Ion: 78 Resp: 599938



Abundance Ion 78.00 (77.70 to 78.70): VW

8.33

300000

250000

200000

150000

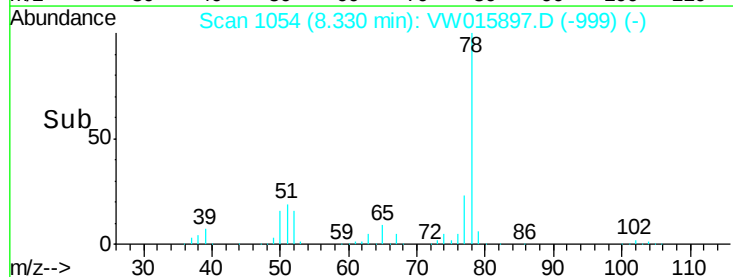
100000

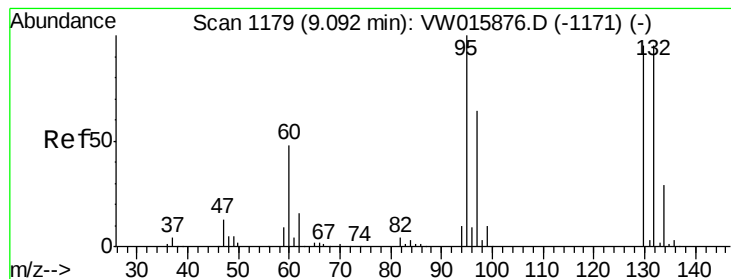
50000

0

Time-->

8.20 8.30 8.40





#35

Trichloroethene

Concen: 23.466 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW015897.D

Acq: 21 Jul 2020 19:19

Instrument :

MSVOA_W

ClientSampleId :

VSTD02529

Tot Ion: 95 Resp: 154244

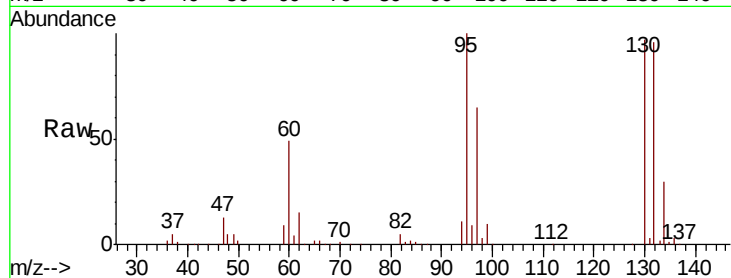
Ion Ratio Lower Upper

95 100

97 63.8 44.4 82.4

132 95.8 65.1 120.9

130 97.9 68.6 127.4

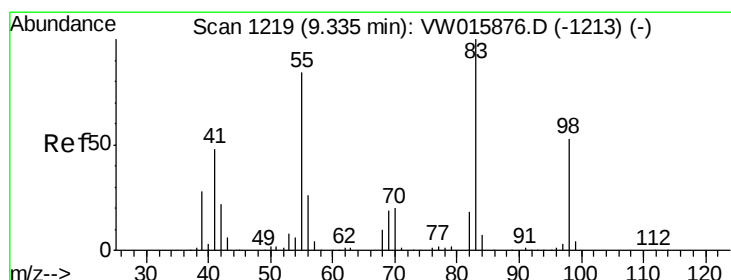
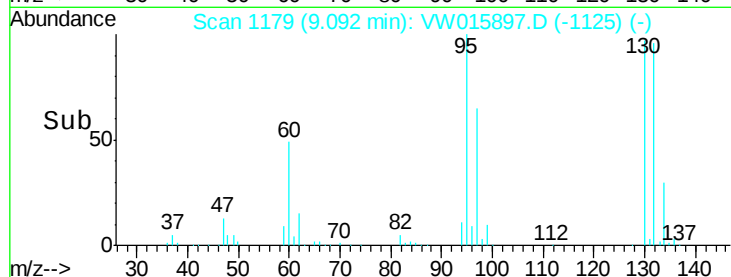
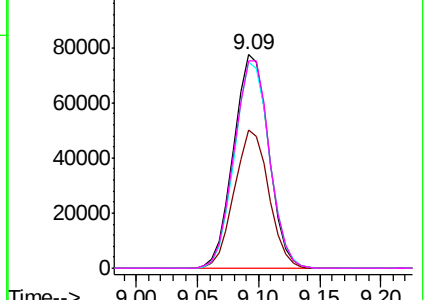


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 23.544 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW015897.D

Acq: 21 Jul 2020 19:19

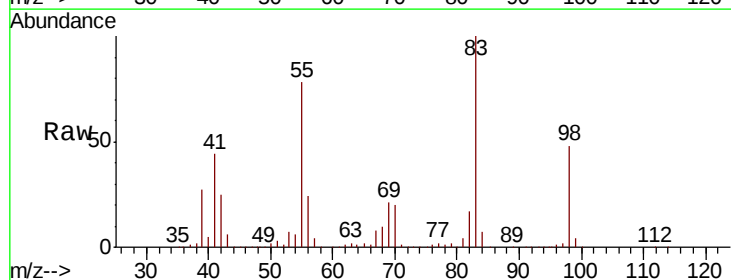
Tgt Ion: 83 Resp: 265544

Ion Ratio Lower Upper

83 100

55 77.9 63.5 95.3

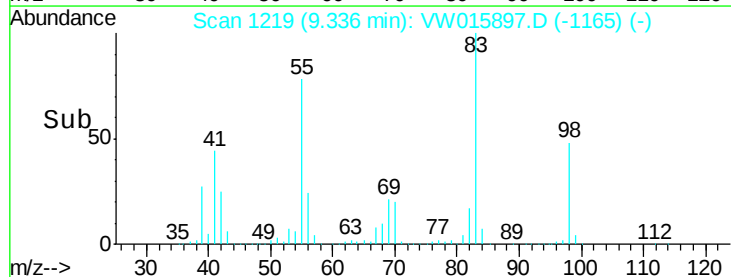
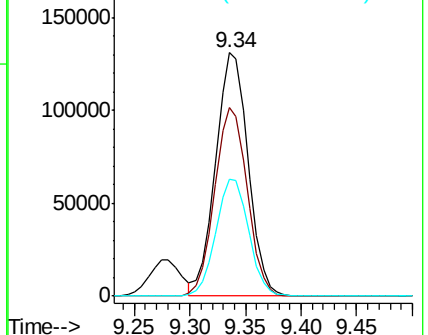
98 48.2 39.0 58.4

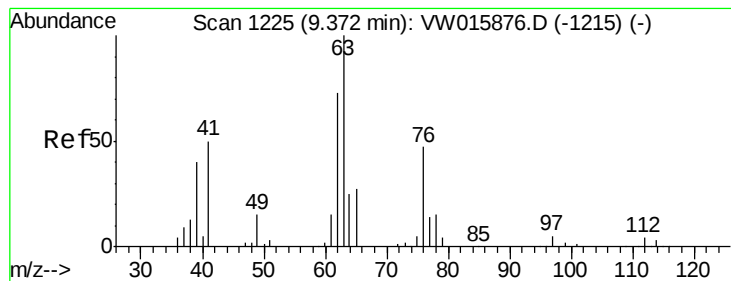


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 24.745 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW015897.D

Acq: 21 Jul 2020 19:19

Instrument :

MSVOA_W

ClientSampleId :

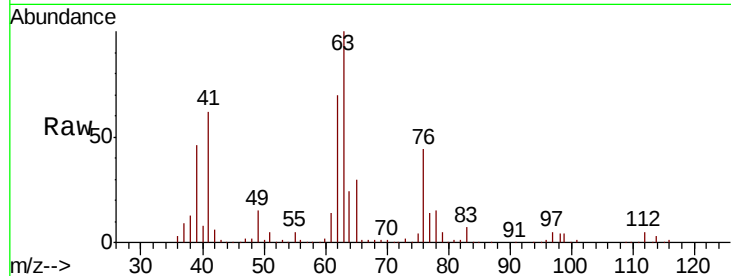
VSTD02529

Tot Ion: 63 Resp: 152316

Ion Ratio Lower Upper

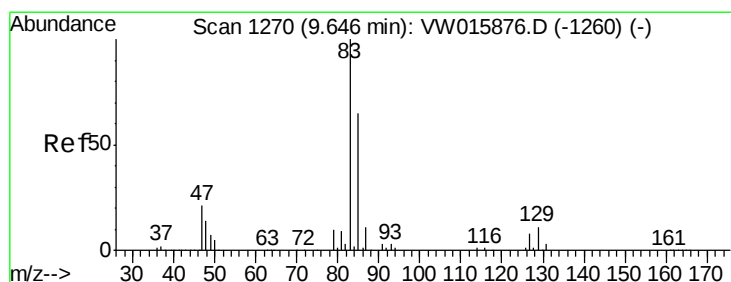
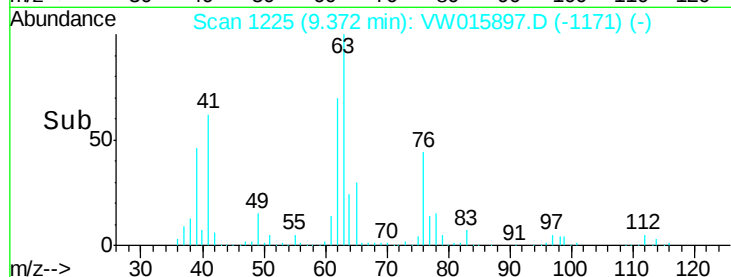
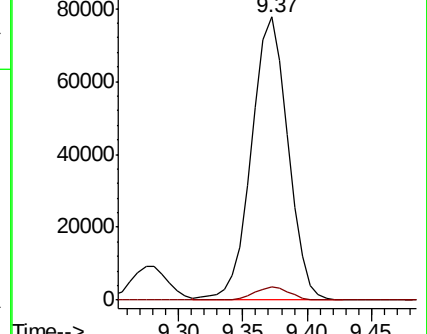
63 100

112 4.7 3.7 5.5



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 24.558 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW015897.D

Acq: 21 Jul 2020 19:19

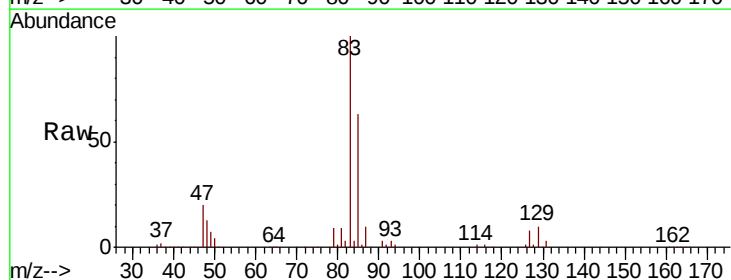
Tgt Ion: 83 Resp: 195220

Ion Ratio Lower Upper

83 100

85 63.4 43.7 81.1

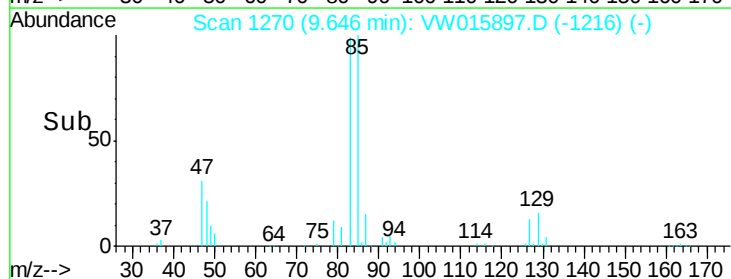
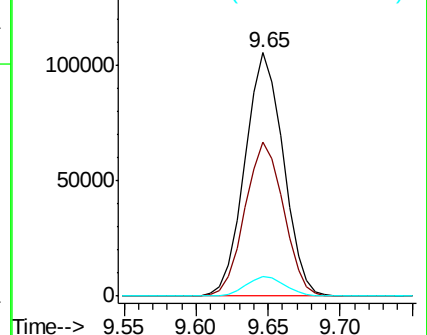
127 8.0 6.5 9.7

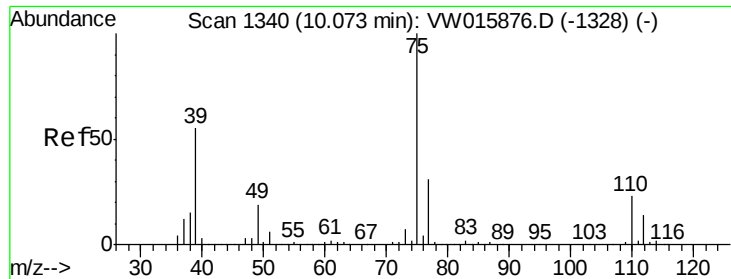


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V

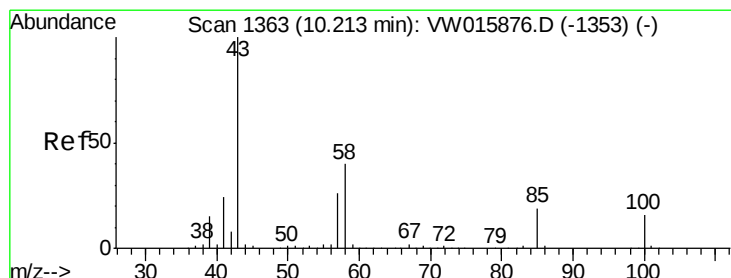
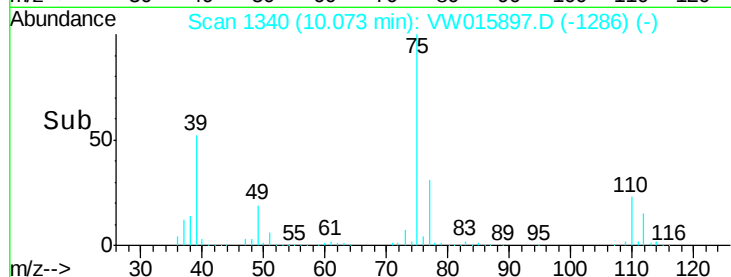
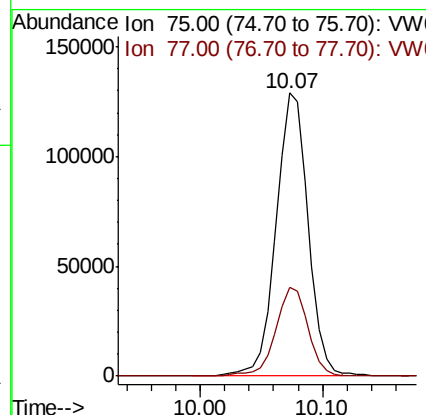
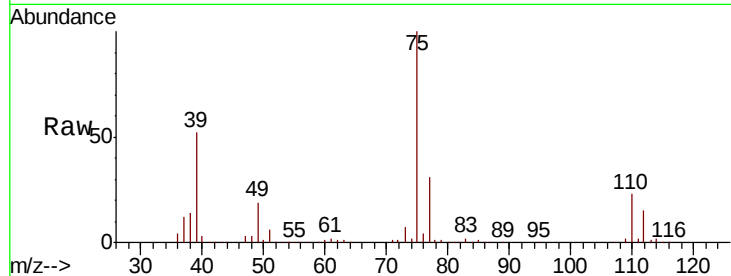




#42
 cis-1,3-Dichloropropene
 Concen: 24.954 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW015897.D
 Acq: 21 Jul 2020 19:19

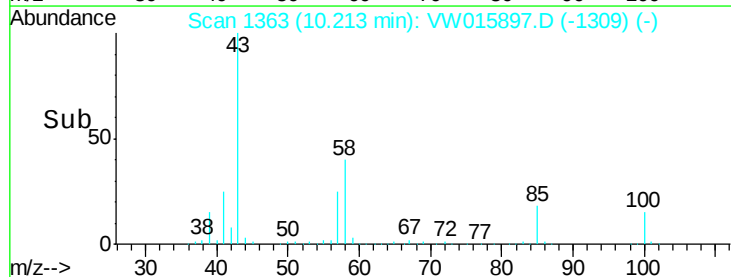
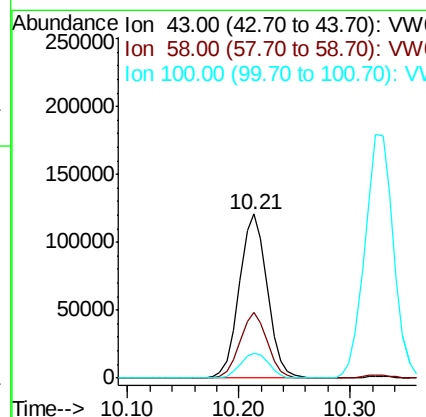
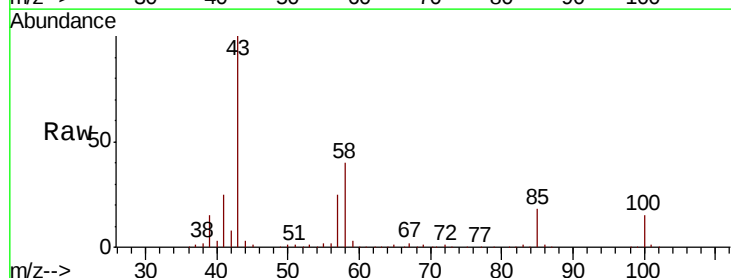
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02529

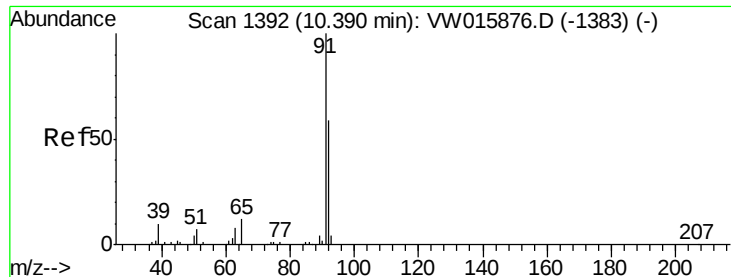
Tot Ion: 75 Resp: 233946
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.2 41.2



#43
 4-Methyl-2-pentanone
 Concen: 58.405 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW015897.D
 Acq: 21 Jul 2020 19:19

Tgt Ion: 43 Resp: 209843
 Ion Ratio Lower Upper
 43 100
 58 38.9 31.0 46.4
 100 15.9 12.6 19.0





#44

Toluene

Concen: 24.667 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW015897.D

Acq: 21 Jul 2020 19:19

Instrument :

MSVOA_W

ClientSampleId :

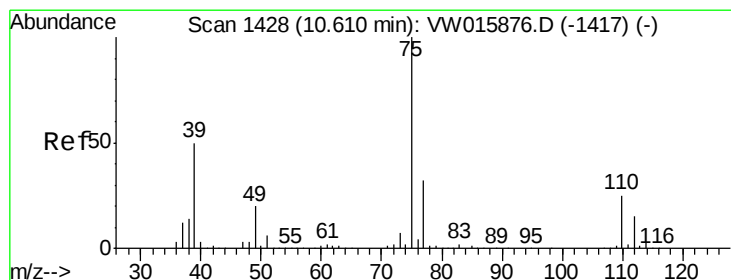
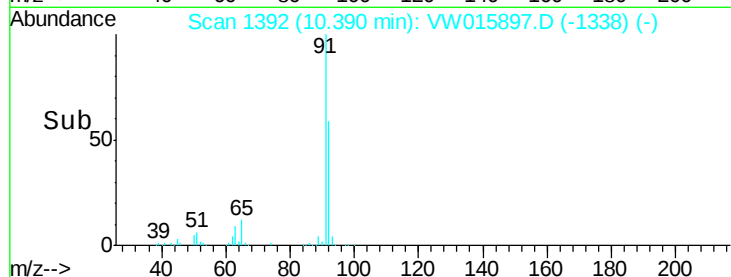
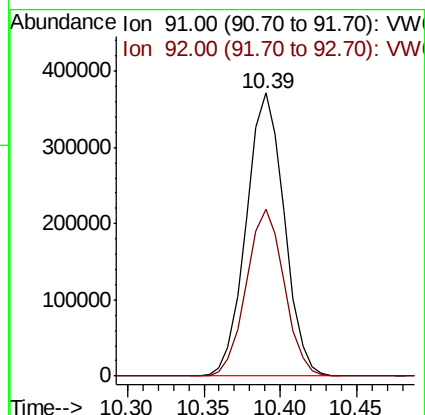
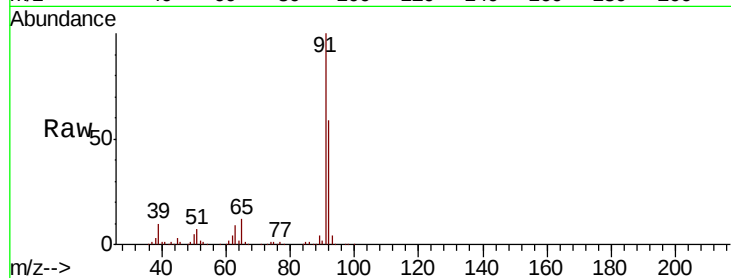
VSTD02529

Tot Ion: 91 Resp: 642828

Ion Ratio Lower Upper

91 100

92 59.0 41.2 76.4



#45

trans-1,3-Dichloropropene

Concen: 25.593 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW015897.D

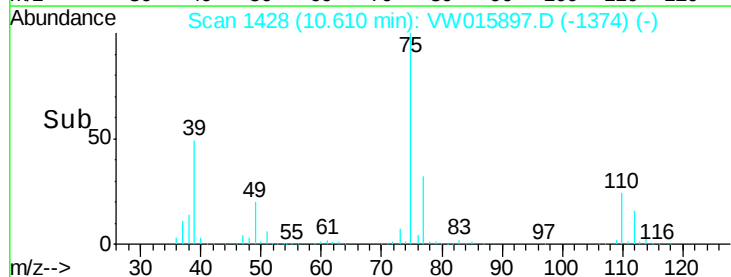
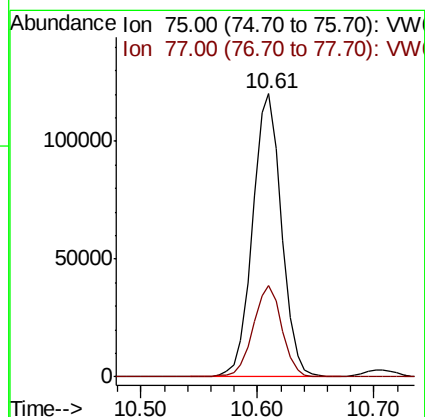
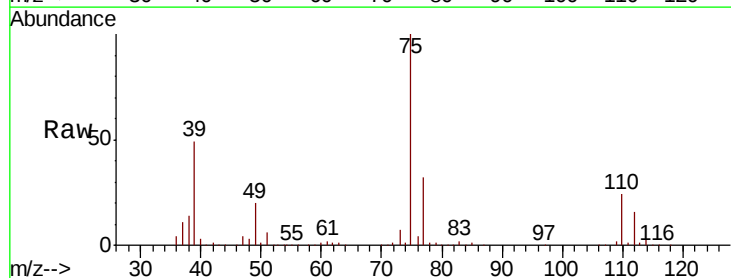
Acq: 21 Jul 2020 19:19

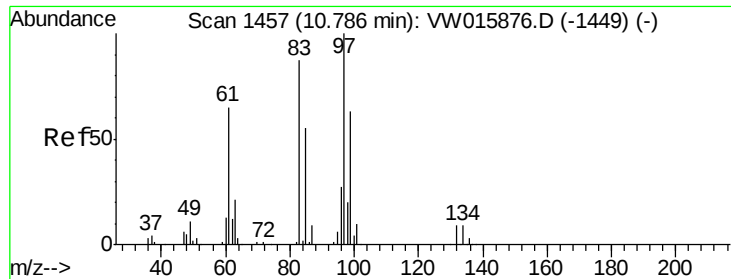
Tgt Ion: 75 Resp: 207968

Ion Ratio Lower Upper

75 100

77 32.4 22.5 41.9





#46

1,1,2-Trichloroethane

Concen: 25.980 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW015897.D

Acq: 21 Jul 2020 19:19

Instrument :

MSVOA_W

ClientSampleId :

VSTD02529

Tot Ion: 97 Resp: 114997

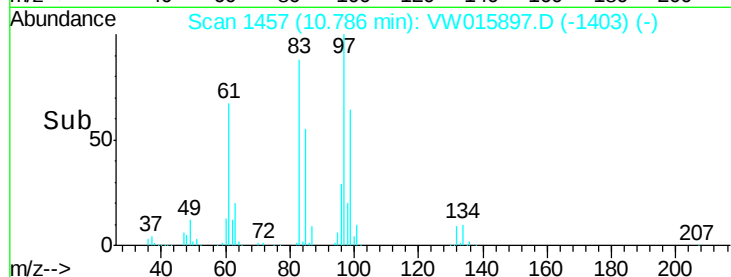
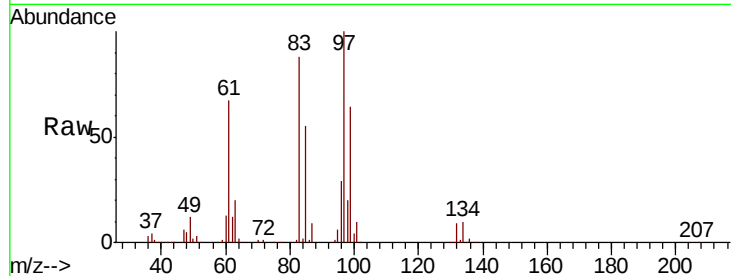
Ion	Ratio	Lower	Upper
97	100		
83	88.5	60.6	112.6
85	55.3	38.9	72.2
99	64.1	43.1	80.1

97 100

83 88.5 60.6 112.6

85 55.3 38.9 72.2

99 64.1 43.1 80.1



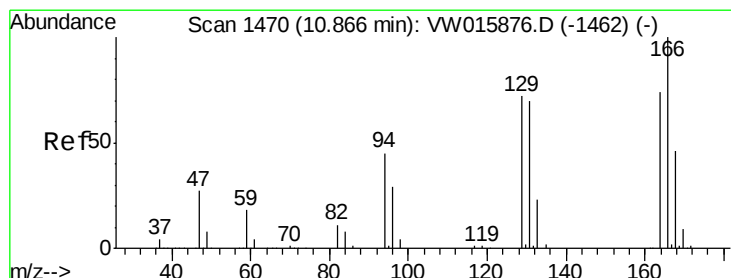
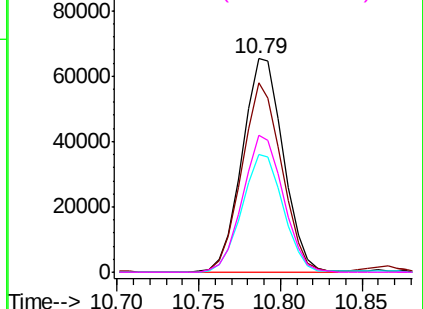
Abundance

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: 23.029 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW015897.D

Acq: 21 Jul 2020 19:19

Tgt Ion: 164 Resp: 117491

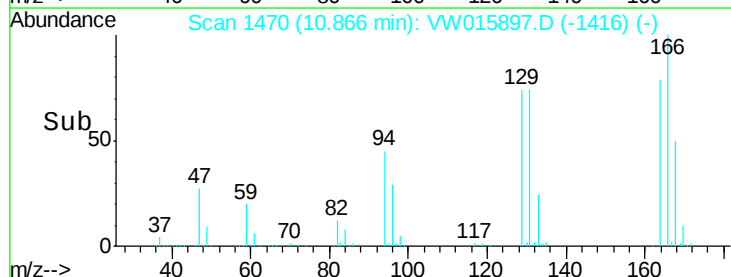
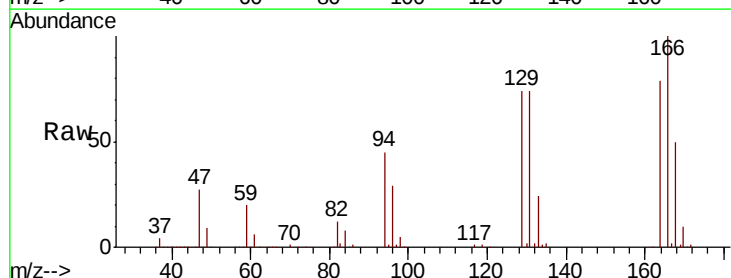
Ion	Ratio	Lower	Upper
164	100		
129	94.5	70.0	130.0
131	93.5	67.3	124.9
166	127.1	88.5	164.3

164 100

129 94.5 70.0 130.0

131 93.5 67.3 124.9

166 127.1 88.5 164.3



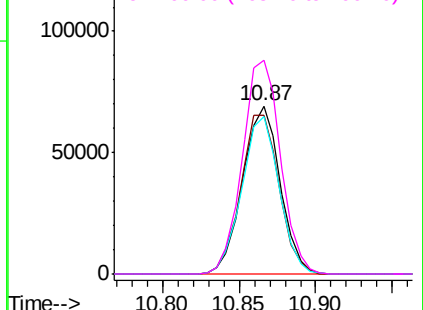
Abundance

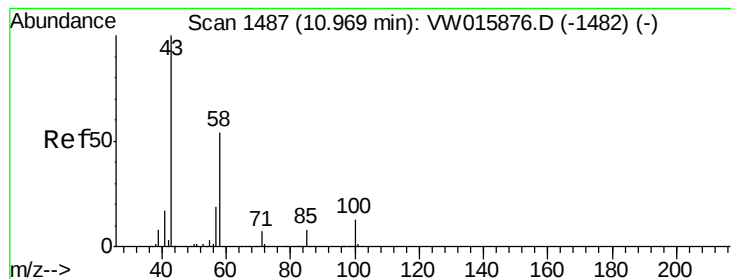
Ion 164.00 (163.70 to 164.70): V

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: 58.585 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW015897.D

Acq: 21 Jul 2020 19:19

Instrument :

MSVOA_W

ClientSampleId :

VSTD02529

Tot Ion: 43 Resp: 149371

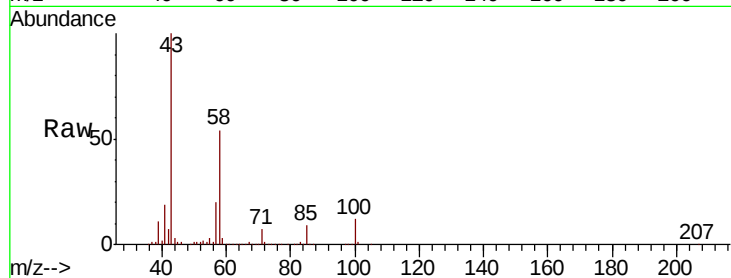
Ion Ratio Lower Upper

43 100

58 54.2 42.4 63.6

57 19.8 15.6 23.4

100 12.4 9.8 14.6

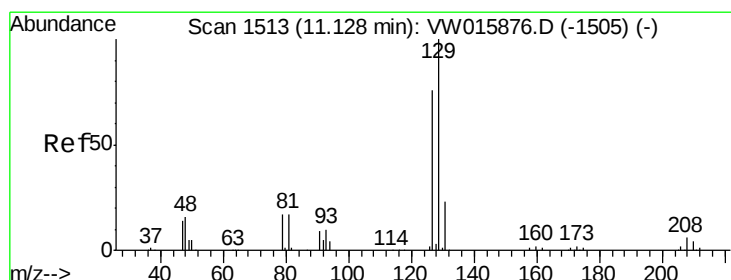
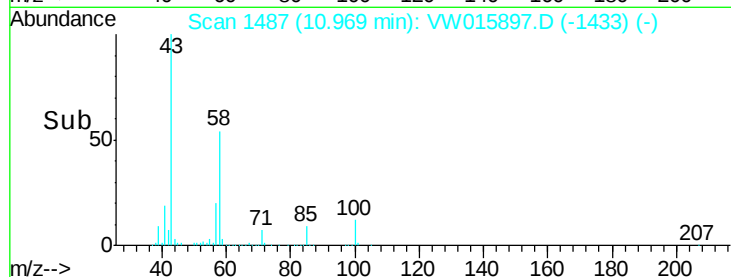
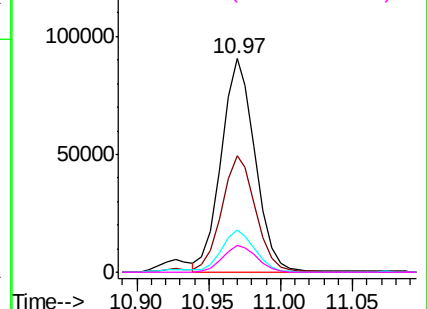


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 25.357 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW015897.D

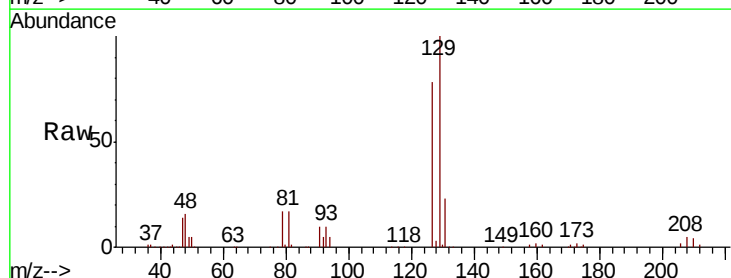
Acq: 21 Jul 2020 19:19

Tgt Ion: 129 Resp: 129946

Ion Ratio Lower Upper

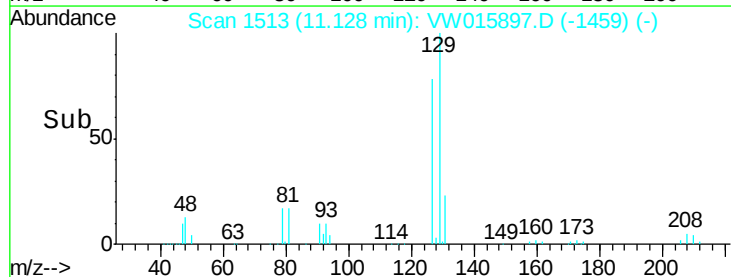
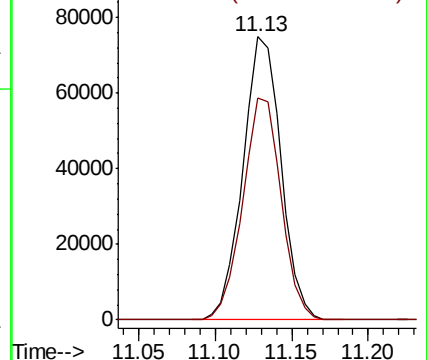
129 100

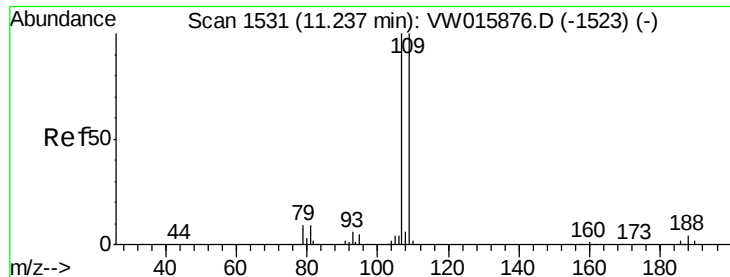
127 78.2 53.8 100.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

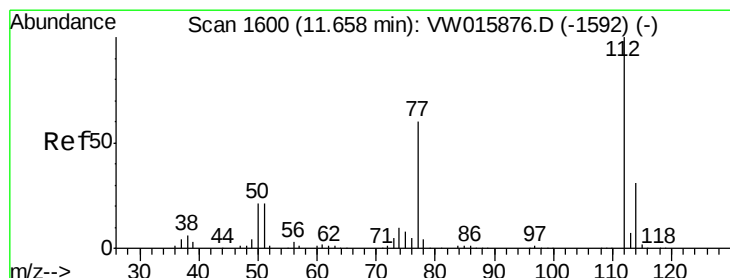
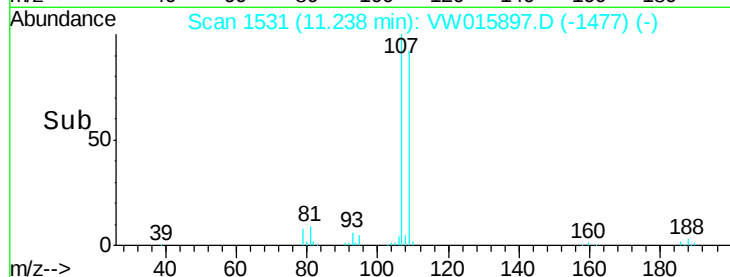
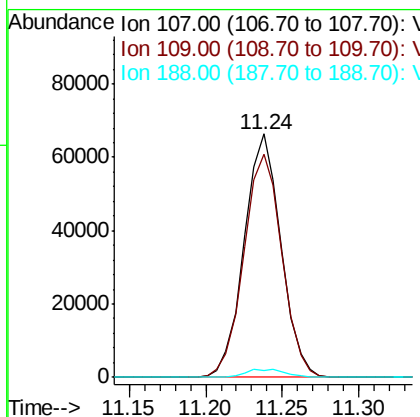
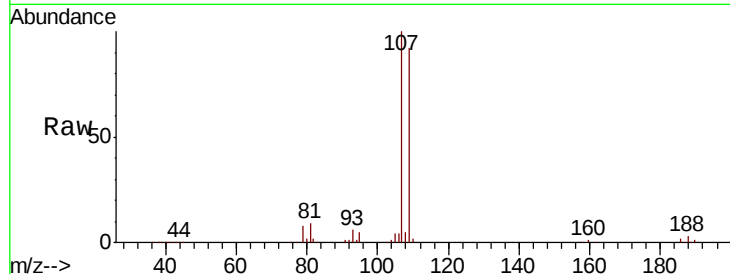




#51
 1,2-Dibromoethane
 Concen: 26.241 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW015897.D
 Acq: 21 Jul 2020 19:19

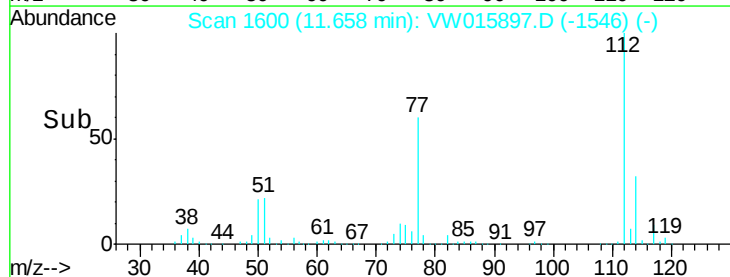
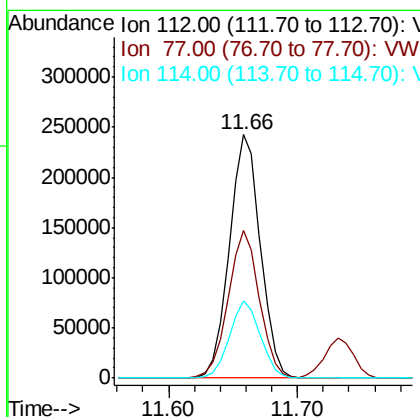
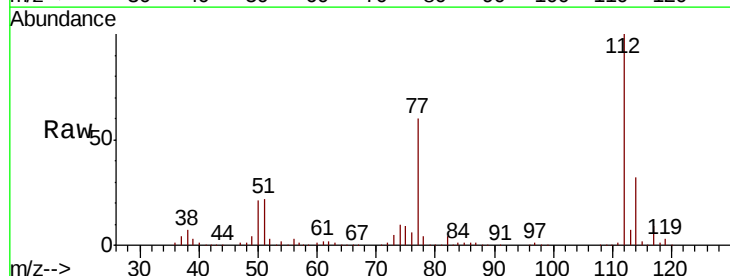
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

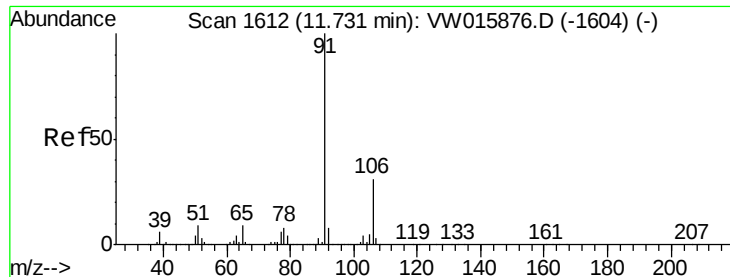
Tot Ion:107 Resp: 111117
 Ion Ratio Lower Upper
 107 100
 109 91.8 66.9 124.3
 188 3.1 3.2 4.8#



#52
 Chlorobenzene
 Concen: 24.368 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW015897.D
 Acq: 21 Jul 2020 19:19

Tgt Ion:112 Resp: 406929
 Ion Ratio Lower Upper
 112 100
 77 60.4 47.8 71.6
 114 31.6 22.1 41.1

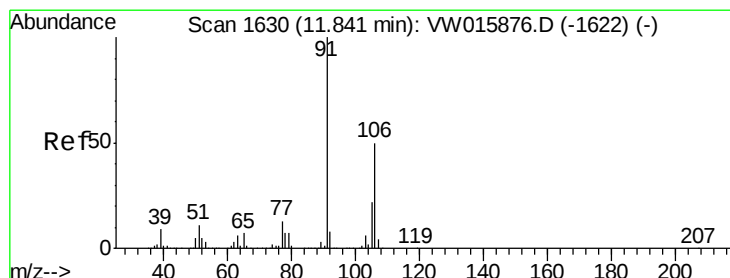
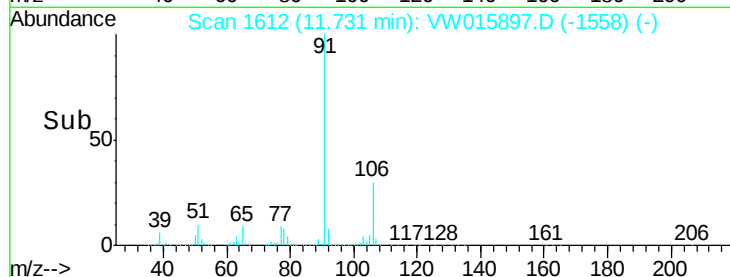
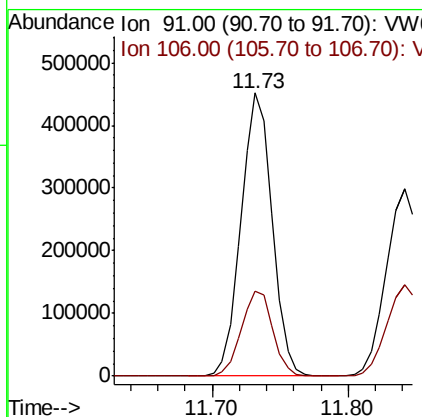
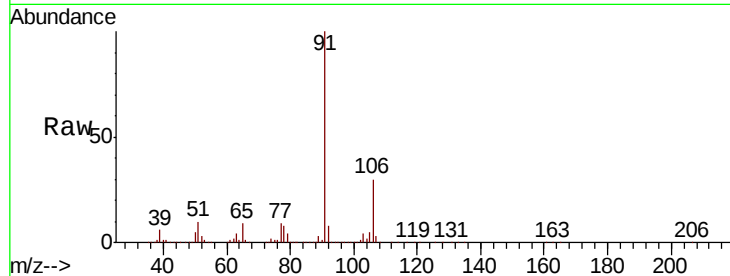




#53
Ethylbenzene
Concen: 24.675 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015897.D
Acq: 21 Jul 2020 19:19

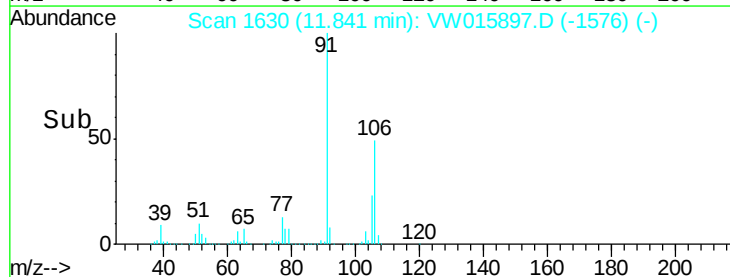
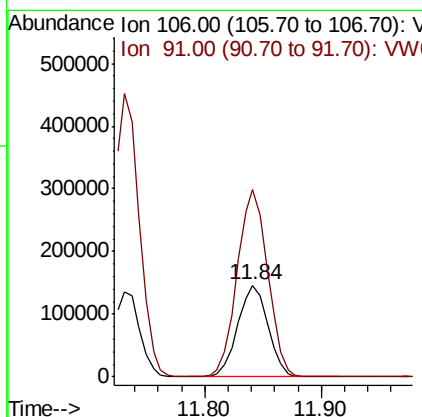
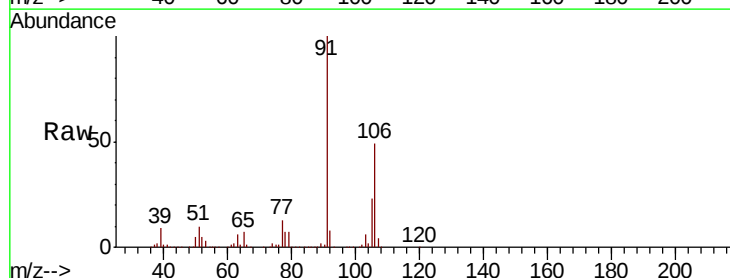
Instrument :
MSVOA_W
ClientSampleId :
VSTD02529

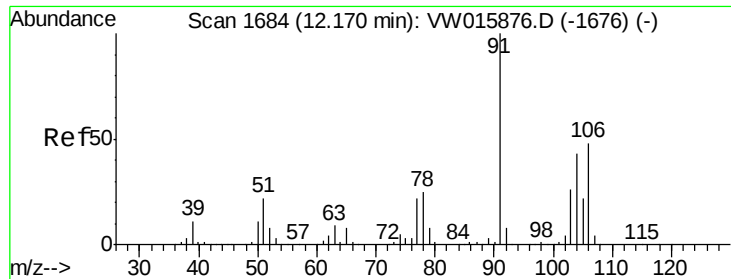
Tot Ion: 91 Resp: 723094
Ion Ratio Lower Upper
91 100
106 30.2 22.4 41.6



#54
m,p-Xylene
Concen: 24.234 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW015897.D
Acq: 21 Jul 2020 19:19

Tgt Ion: 106 Resp: 265692
Ion Ratio Lower Upper
106 100
91 204.1 144.1 267.5

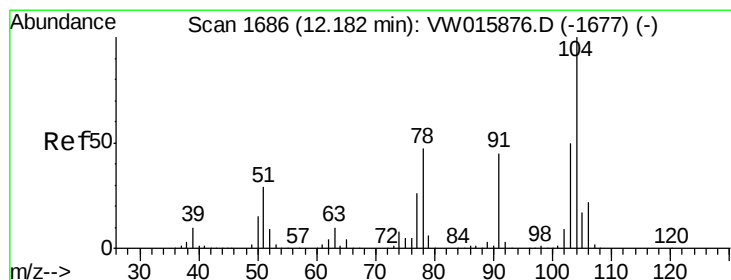
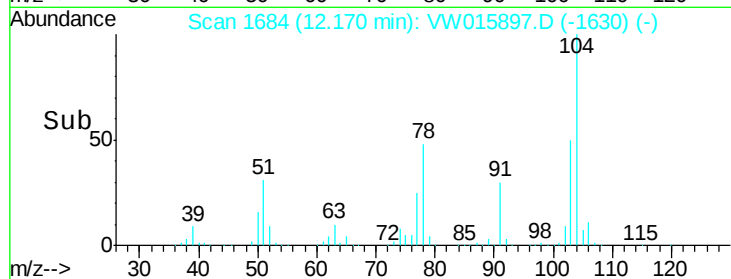
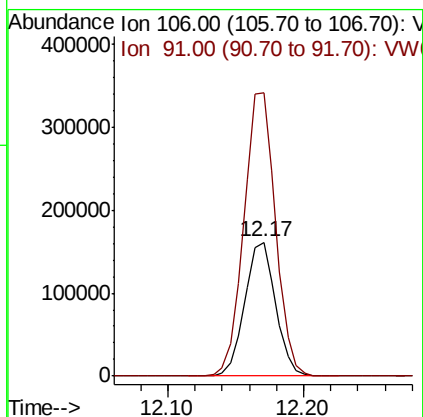
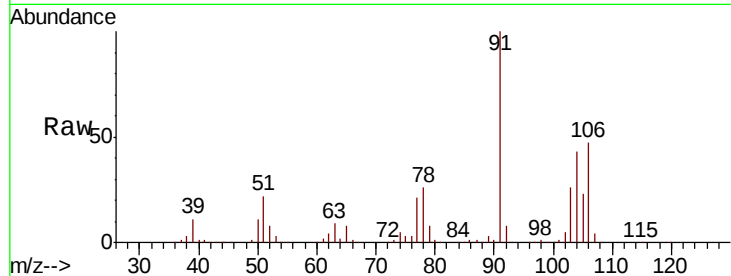




#55
o-xylene
Concen: 24.890 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW015897.D
Acq: 21 Jul 2020 19:19

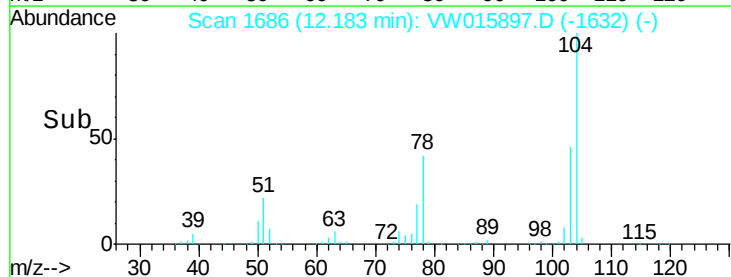
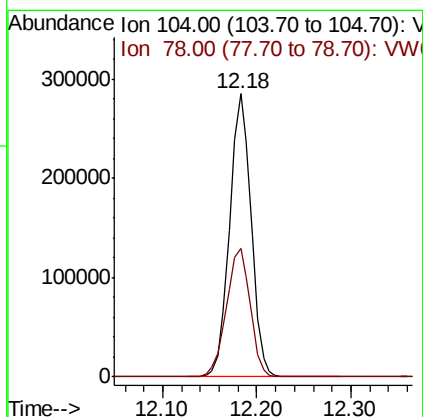
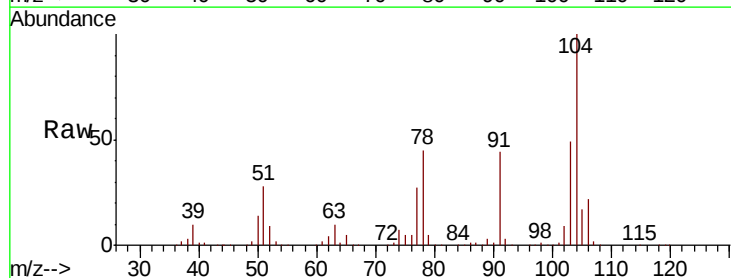
Instrument :
MSVOA_W
ClientSampled :
VSTD02529

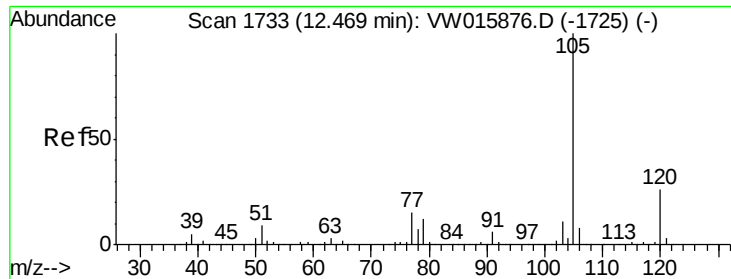
Tot Ion:106 Resp: 256957
Ion Ratio Lower Upper
106 100
91 211.0 146.8 272.6



#56
Styrene
Concen: 25.693 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015897.D
Acq: 21 Jul 2020 19:19

Tgt Ion:104 Resp: 451079
Ion Ratio Lower Upper
104 100
78 45.3 32.0 59.4





#57

Isopropylbenzene

Concen: 24.783 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW015897.D

Acq: 21 Jul 2020 19:19

Instrument :

MSVOA_W

ClientSampleId :

VSTD02529

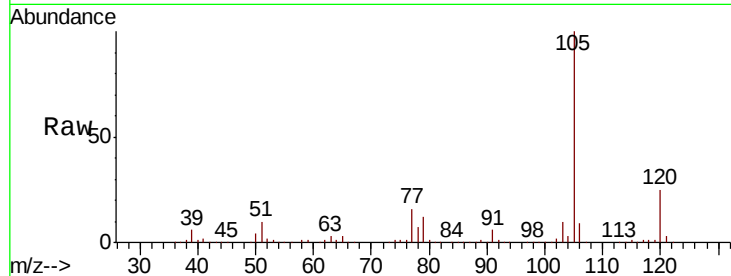
Tot Ion:105 Resp: 696486

Ion Ratio Lower Upper

105 100

120 26.2 20.4 30.6

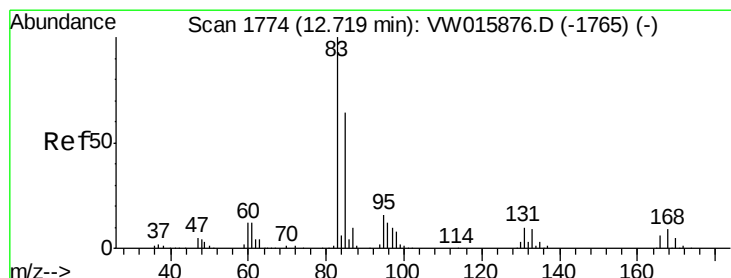
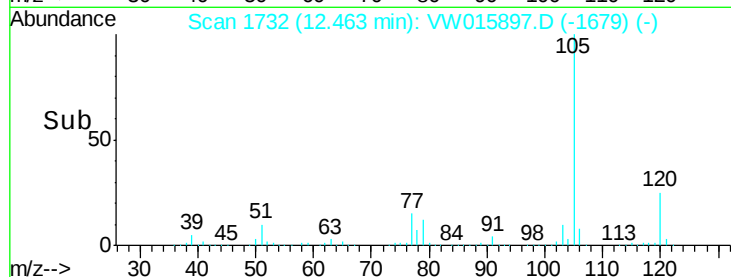
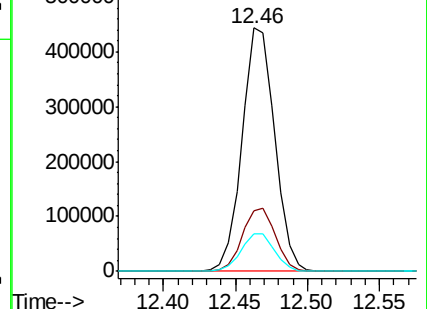
77 15.9 12.9 19.3



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: 27.842 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW015897.D

Acq: 21 Jul 2020 19:19

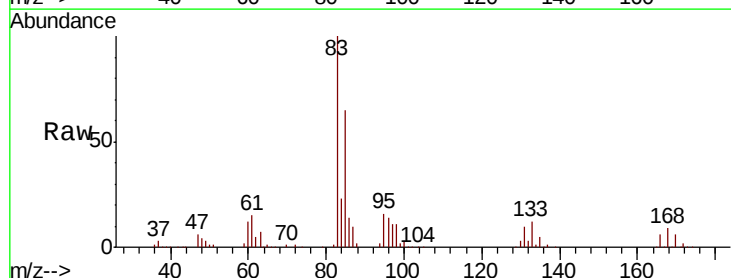
Tgt Ion: 83 Resp: 144715

Ion Ratio Lower Upper

83 100

85 64.6 45.1 83.7

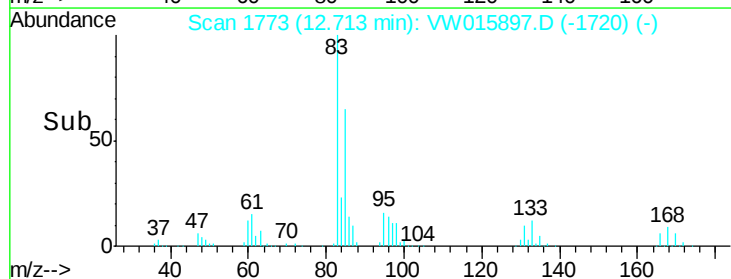
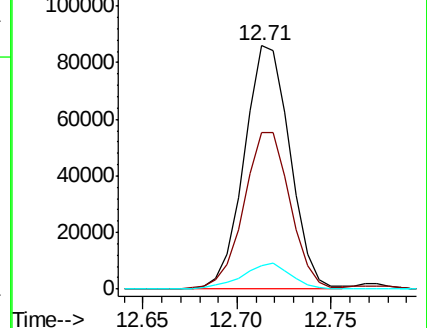
131 9.7 8.2 12.4

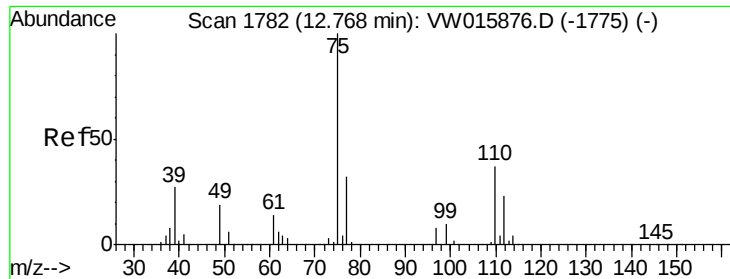


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 28.152 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW015897.D

Acq: 21 Jul 2020 19:19

Instrument :

MSVOA_W

ClientSampleId :

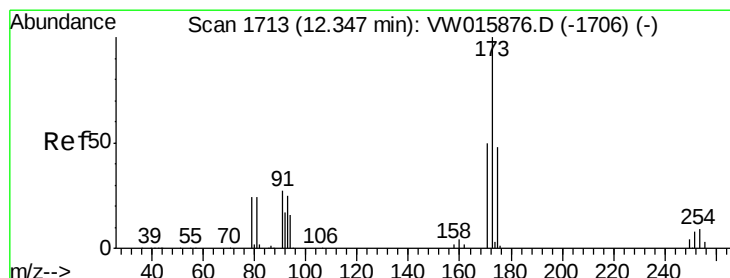
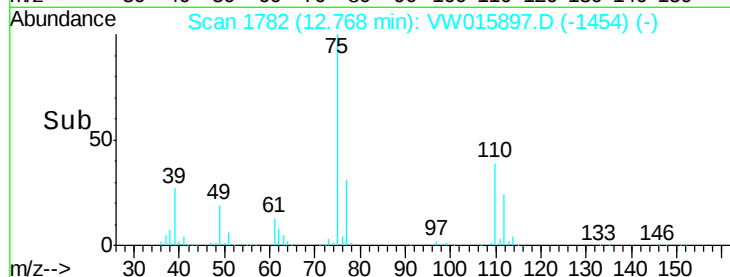
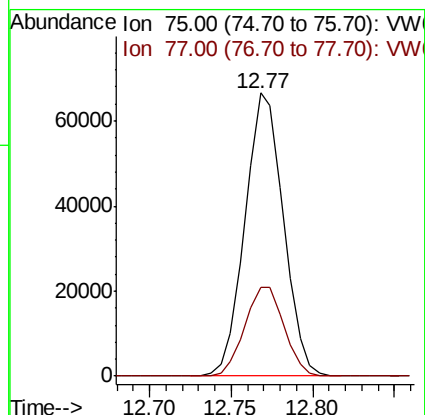
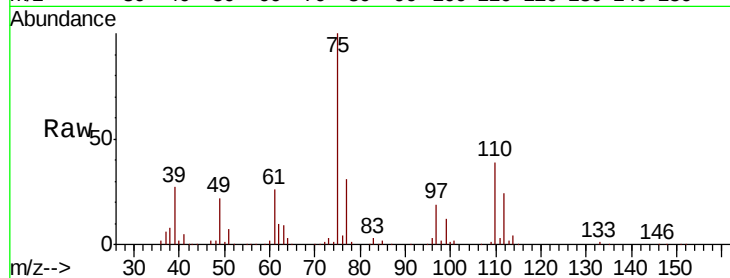
VSTD02529

Tot Ion: 75 Resp: 109635

Ion Ratio Lower Upper

75 100

77 32.3 26.0 39.0



#62

Bromoform

Concen: 25.632 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW015897.D

Acq: 21 Jul 2020 19:19

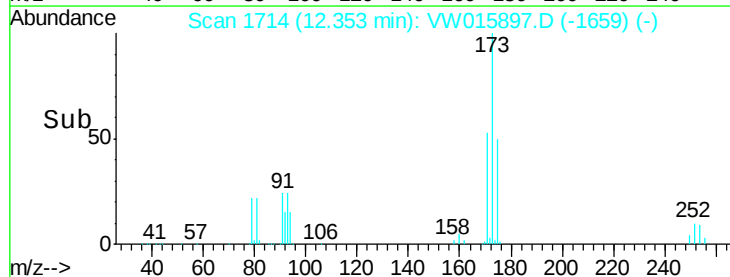
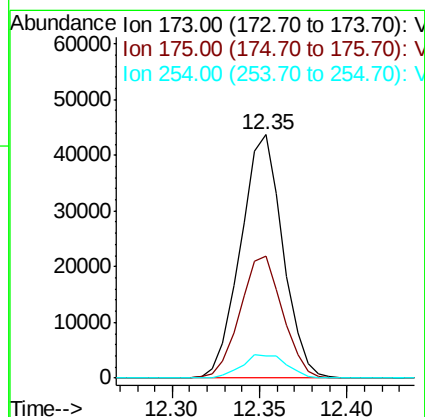
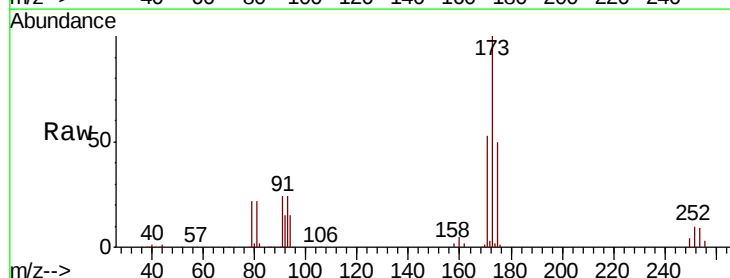
Tgt Ion: 173 Resp: 73199

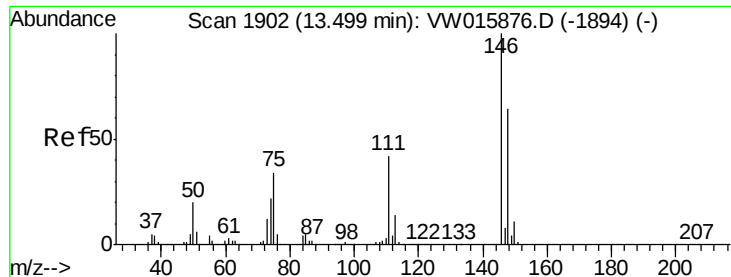
Ion Ratio Lower Upper

173 100

175 50.6 38.7 58.1

254 10.2 7.9 11.9

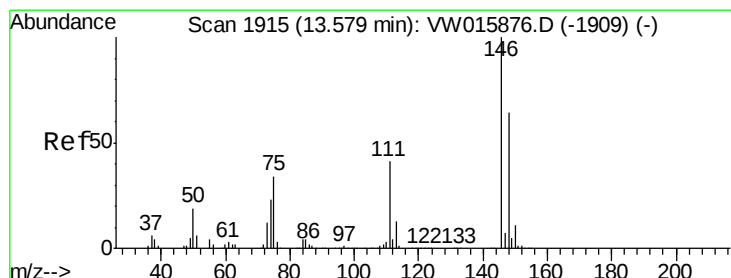
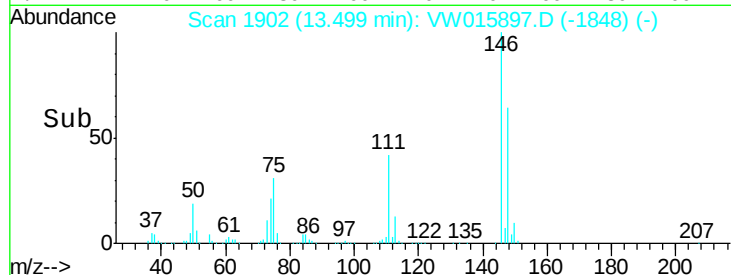
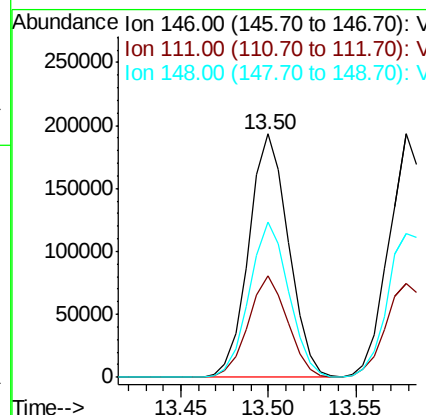
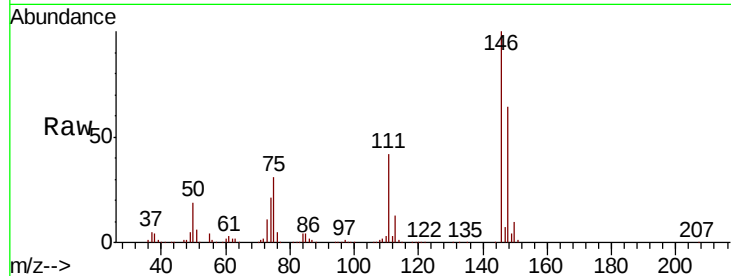




#63
 1,3-Dichlorobenzene
 Concen: 24.529 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015897.D
 Acq: 21 Jul 2020 19:19

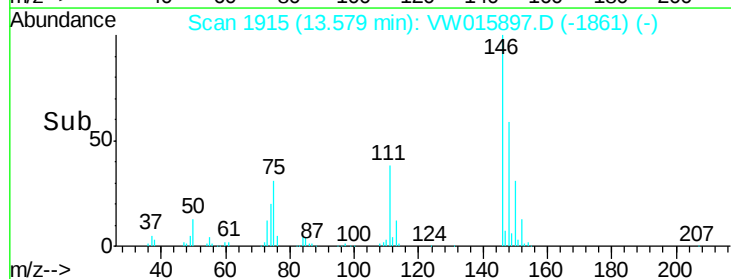
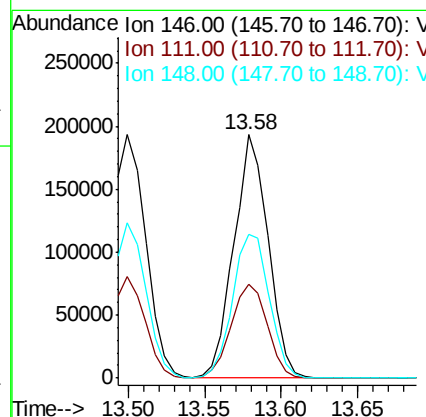
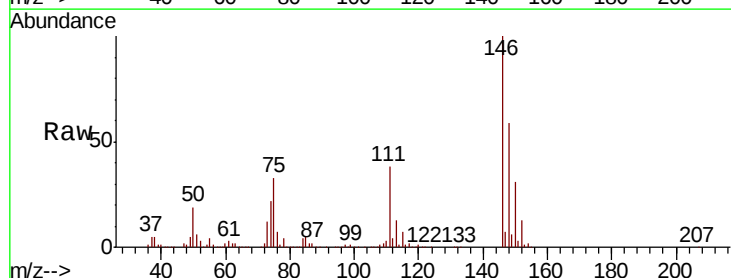
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

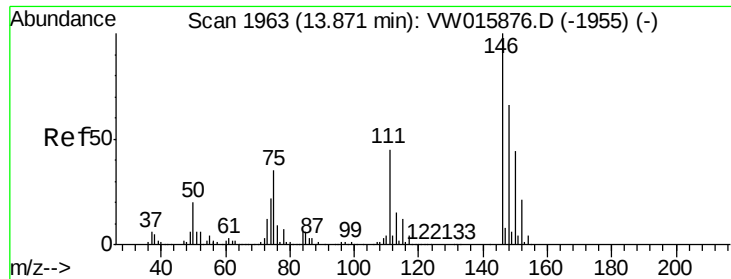
Tot Ion:146 Resp: 304759
 Ion Ratio Lower Upper
 146 100
 111 41.6 27.9 51.7
 148 63.6 43.2 80.2



#64
 1,4-Dichlorobenzene
 Concen: 23.846 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015897.D
 Acq: 21 Jul 2020 19:19

Tgt Ion:146 Resp: 300689
 Ion Ratio Lower Upper
 146 100
 111 38.5 29.3 54.3
 148 58.9 44.5 82.7

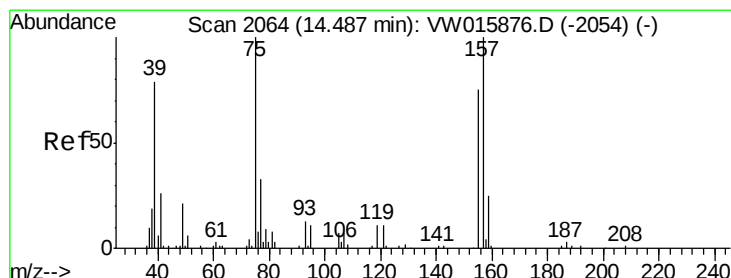
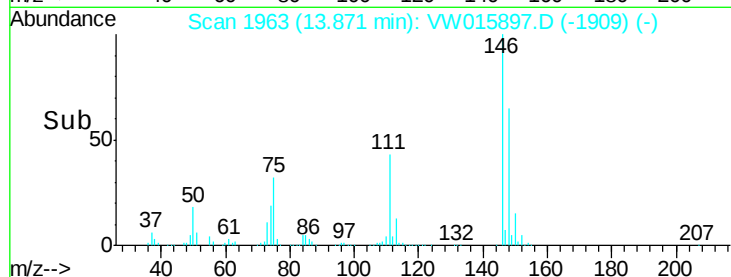
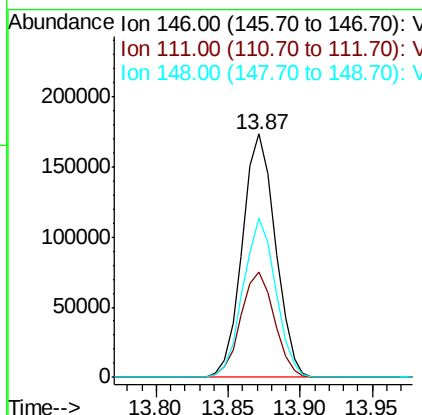
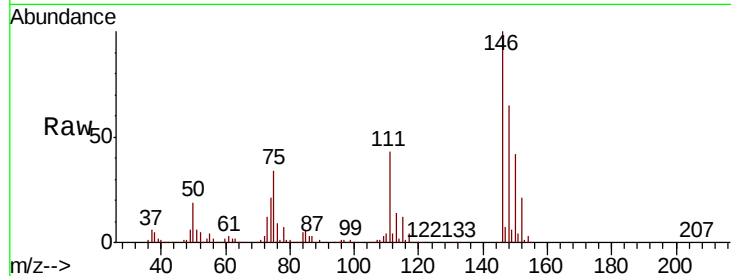




#65
 1,2-Dichlorobenzene
 Concen: 24.503 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW015897.D
 Acq: 21 Jul 2020 19:19

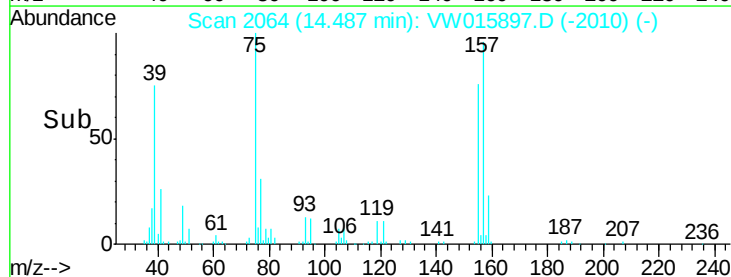
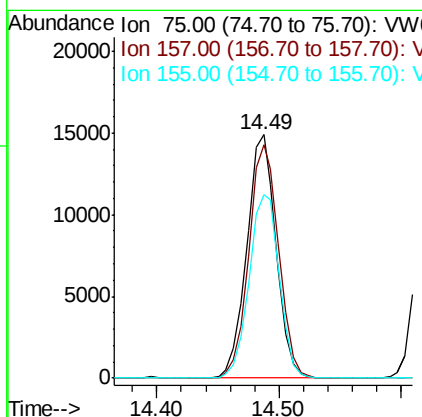
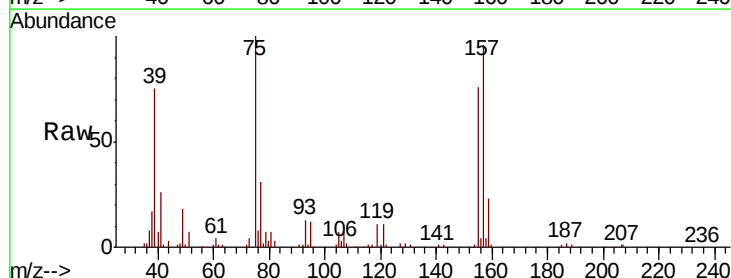
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

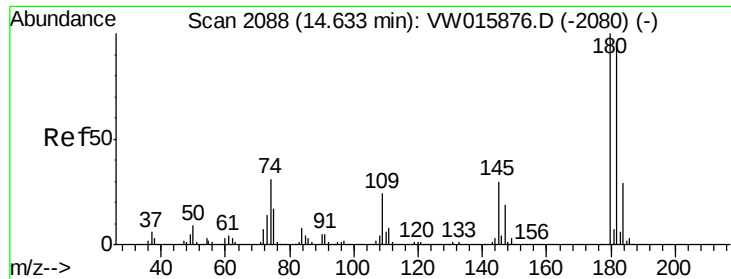
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	32.9	49.3
148	65.4	48.8	73.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 29.084 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW015897.D
 Acq: 21 Jul 2020 19:19

Tgt Ion	Ratio	Lower	Upper
75	100		
157	96.0	83.0	124.4
155	75.6	66.9	100.3

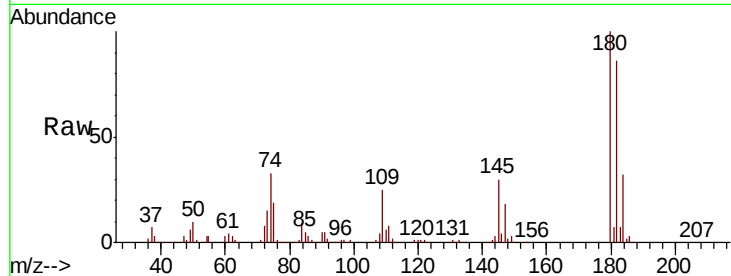




#67
 1,3,5-Trichlorobenzene
 Concen: 24.568 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.01 min
 Lab File: VW015897.D
 Acq: 21 Jul 2020 19:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.8	75.4	113.0
184	31.6	24.6	37.0
145	30.1	24.1	36.1



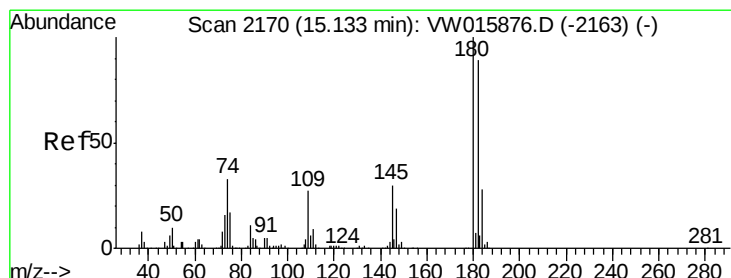
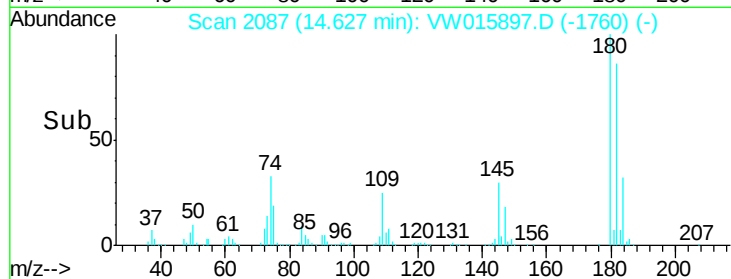
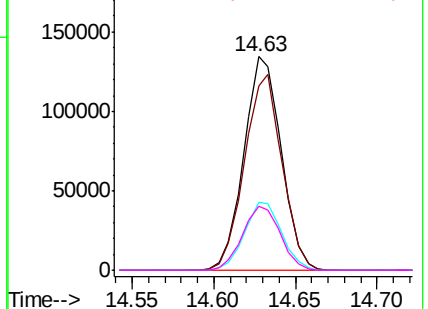
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

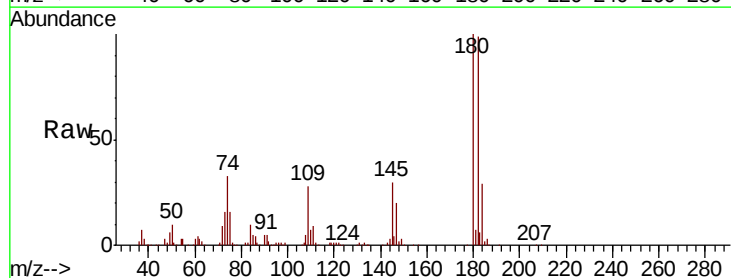
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 25.907 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015897.D
 Acq: 21 Jul 2020 19:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.8	76.0	114.0
145	30.4	24.3	36.5

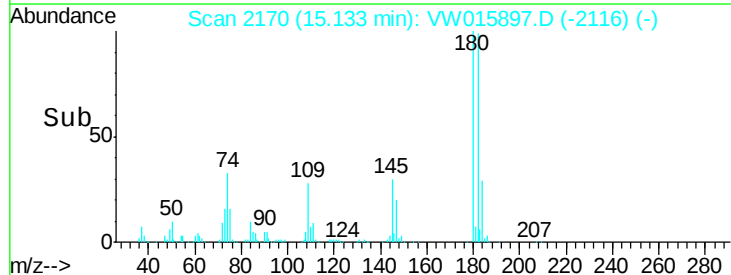
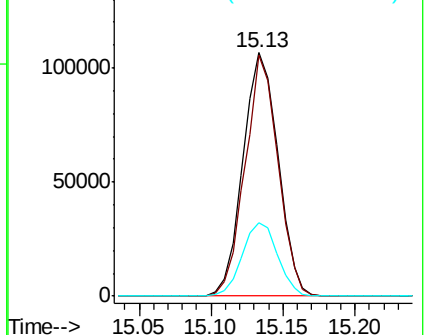


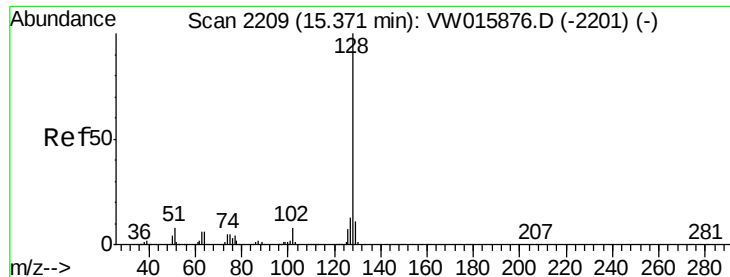
Abundance

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: 29.530 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW015897.D

Acq: 21 Jul 2020 19:19

Instrument :

MSVOA_W

ClientSampleId :

VSTD02529

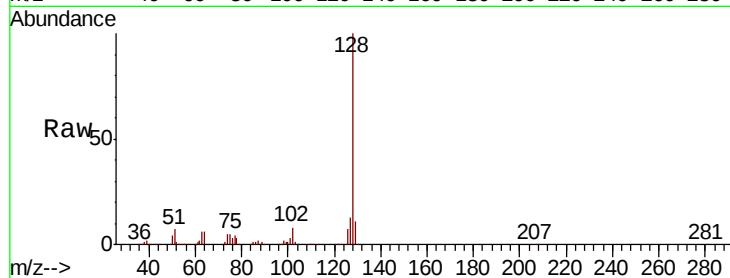
Tot Ion:128 Resp: 386033

Ion Ratio Lower Upper

128 100

129 10.8 8.6 12.8

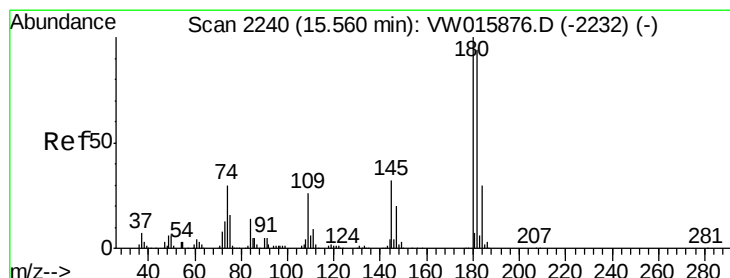
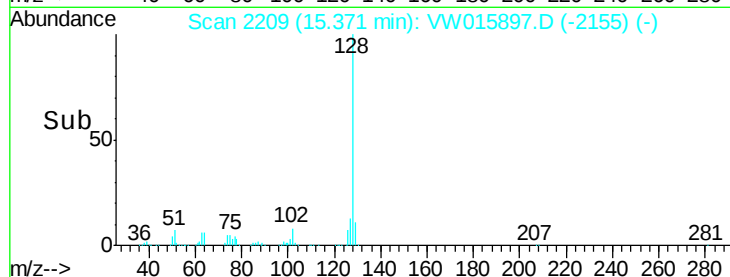
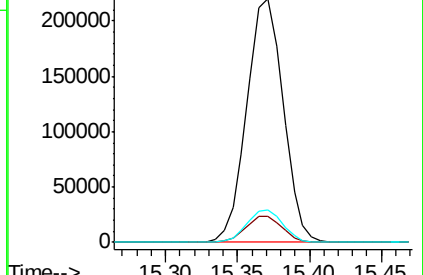
127 13.3 10.5 15.7



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: 26.157 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW015897.D

Acq: 21 Jul 2020 19:19

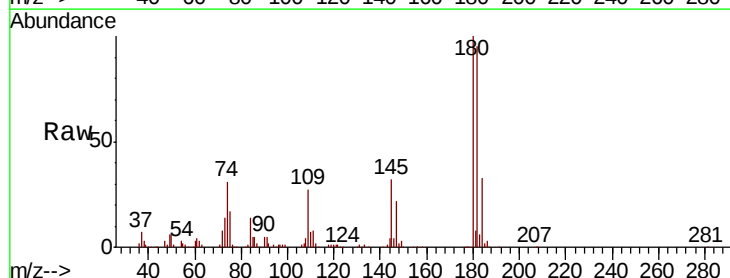
Tgt Ion:180 Resp: 161723

Ion Ratio Lower Upper

180 100

182 95.9 74.0 111.0

145 33.4 25.9 38.9



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

