

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101420\
 Data File : VW016896.D
 Acq On : 13 Oct 2020 14:49
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

Quant Time: Oct 14 08:42:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100720S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 14 08:34:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	535329	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	479375	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	253023	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	132195	25.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.12%
7) Chloroethane-d5	2.89	69	112833	25.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.88%
10) 1,1-Dichloroethene-d2	4.03	63	284967	25.41	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	101.64%
20) 2-Butanone-d5	7.08	46	70238	58.72	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	117.44%
24) Chloroform-d	7.65	84	307605	27.23	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	108.92%
26) 1,2-Dichloroethane-d4	8.30	65	147714	27.07	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	108.28%
29) Benzene-d6	8.27	84	581470	26.71	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	106.84%
33) 1,2-Dichloropropane-d6	9.27	67	161655	27.63	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	110.52%
37) Toluene-d8	10.32	98	554063	26.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	107.88%
38) trans-1,3-Dichloropropene-	10.58	79	73899	28.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	114.56%
39) 2-Hexanone-d5	10.93	63	59707	65.99	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	131.98%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	139837	29.59	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	118.36%
61) 1,2-Dichlorobenzene-d4	13.85	152	215458	26.85	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	107.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	164793	25.755	ug/L 97
3) Chloromethane	2.21	50	130350	23.111	ug/L 95
5) Vinyl chloride	2.37	62	209314	28.586	ug/L 99
6) Bromomethane	2.78	94	141892	26.359	ug/L 100
8) Chloroethane	2.93	64	124142	27.469	ug/L 100
9) Trichlorofluoromethane	3.26	101	132128	23.354	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	203176	28.190	ug/L 99
12) 1,1-Dichloroethene	4.04	96	190384	27.507	ug/L 99
13) Acetone	4.13	43	50223	55.482	ug/L 98
14) Carbon disulfide	4.39	76	535680	26.991	ug/L 100
15) Methyl Acetate	4.68	43	63065	29.159	ug/L 100
16) Methylene chloride	4.92	84	195509	26.463	ug/L 99
17) Methyl tert-butyl Ether	5.43	73	212622	27.452	ug/L # 88
18) trans-1,2-Dichloroethene	5.43	96	196357	27.156	ug/L 95
19) 1,1-Dichloroethane	6.21	63	308783	27.731	ug/L 100
21) 2-Butanone	7.17	43	81204	53.438	ug/L 98
22) cis-1,2-Dichloroethene	7.16	96	206241	27.954	ug/L 98

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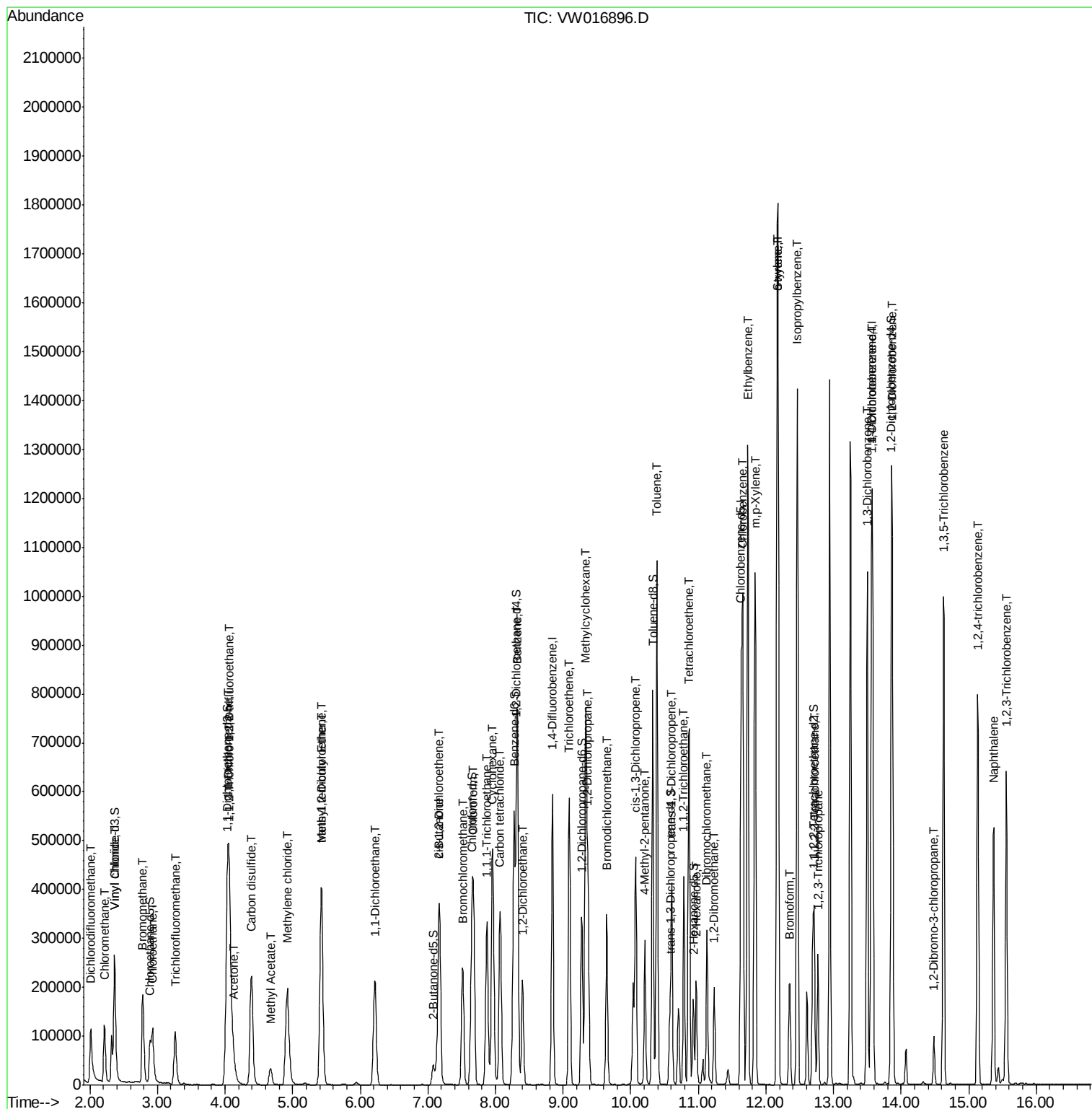
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	95908	27.682	ug/L	96
25) Chloroform	7.68	83	333730	27.754	ug/L	100
27) 1,2-Dichloroethane	8.40	62	202419	28.140	ug/L	100
30) Cyclohexane	7.96	56	278521	28.017	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	285328	27.989	ug/L	100
32) Carbon tetrachloride	8.07	117	280685	28.215	ug/L	99
34) Benzene	8.32	78	728227	28.288	ug/L	100
35) Trichloroethene	9.09	95	203950	28.008	ug/L	99
36) Methylcyclohexane	9.34	83	346540	28.304	ug/L	100
40) 1,2-Dichloropropane	9.37	63	164874	28.323	ug/L	100
41) Bromodichloromethane	9.65	83	236388	28.906	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	270596	29.156	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	180555	61.610	ug/L	100
44) Toluene	10.39	91	806454	28.239	ug/L	96
45) trans-1,3-Dichloropropene	10.61	75	236490	30.281	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	139975	29.580	ug/L	97
47) Tetrachloroethene	10.87	164	187368	27.754	ug/L	95
49) 2-Hexanone	10.97	43	121893	63.015	ug/L	98
50) Dibromochloromethane	11.13	129	173696	29.526	ug/L	99
51) 1,2-Dibromoethane	11.24	107	134179	28.854	ug/L	98
52) Chlorobenzene	11.66	112	540619	28.208	ug/L	97
53) Ethylbenzene	11.73	91	910995	28.436	ug/L	98
54) m,p-Xylene	11.84	106	358715	28.790	ug/L	99
55) o-xylene	12.17	106	341303	28.670	ug/L	99
56) Styrene	12.18	104	582571	29.656	ug/L	98
57) Isopropylbenzene	12.46	105	937169	28.749	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	154385	29.521	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	113125	29.860	ug/L	99
62) Bromoform	12.35	173	100532	28.245	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	440382	27.348	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	437664	27.177	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	392227	27.204	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.48	75	23925	27.356	ug/L	93
67) 1,3,5-Trichlorobenzene	14.63	180	331489	27.694	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	272017	27.668	ug/L	98
69) Naphthalene	15.37	128	488685	30.017	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	243264	28.795	ug/L	100

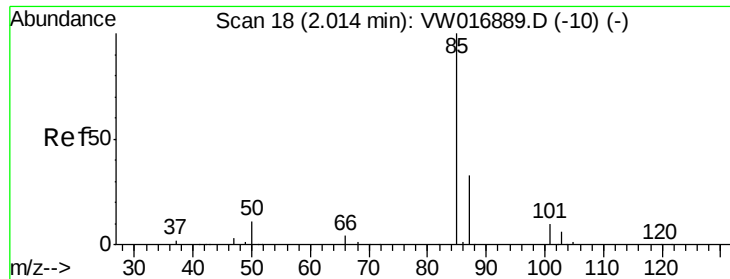
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 25.755 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW016896.D

Acq: 13 Oct 2020 14:49

Instrument :

MSVOA_W

ClientSampleId :

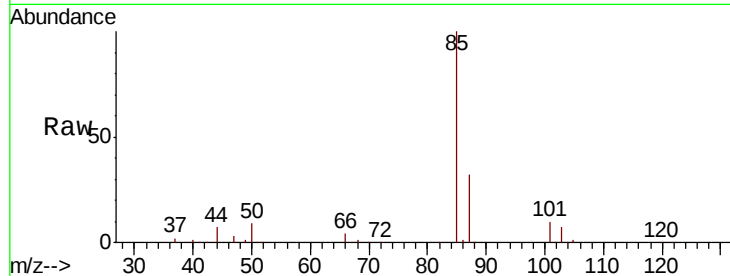
VSTD02508

Tot Ion: 85 Resp: 164793

Ion Ratio Lower Upper

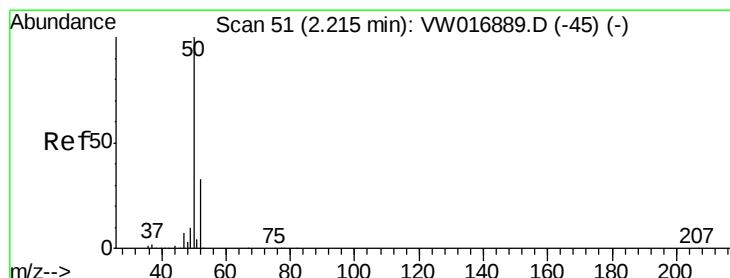
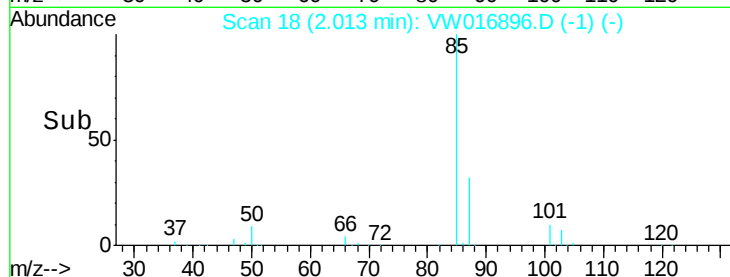
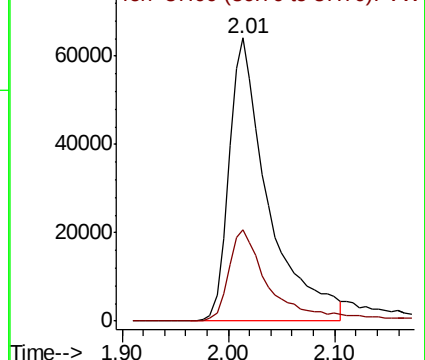
85 100

87 30.8 20.4 37.8



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 23.111 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW016896.D

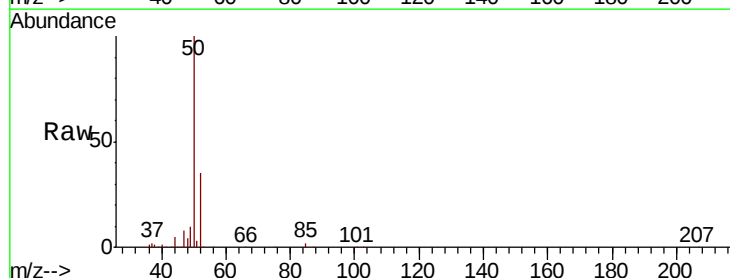
Acq: 13 Oct 2020 14:49

Tgt Ion: 50 Resp: 130350

Ion Ratio Lower Upper

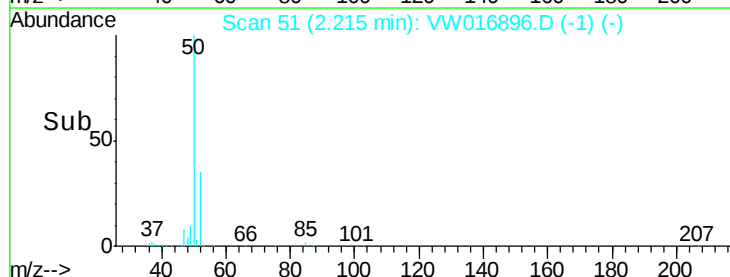
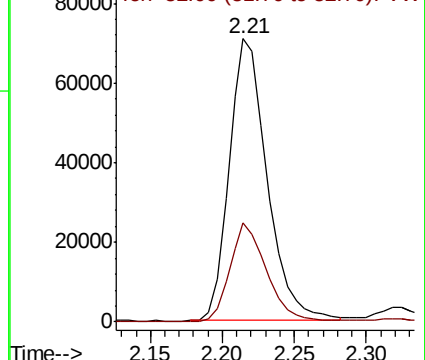
50 100

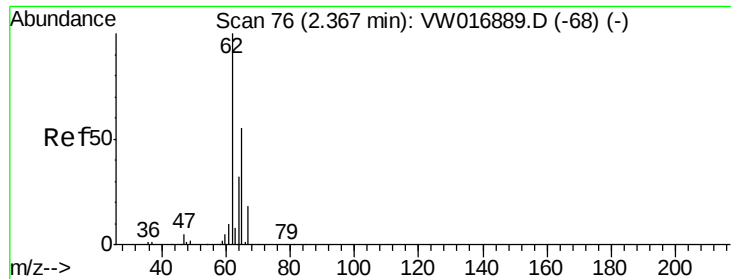
52 35.1 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 28.586 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW016896.D

Acq: 13 Oct 2020 14:49

Instrument :

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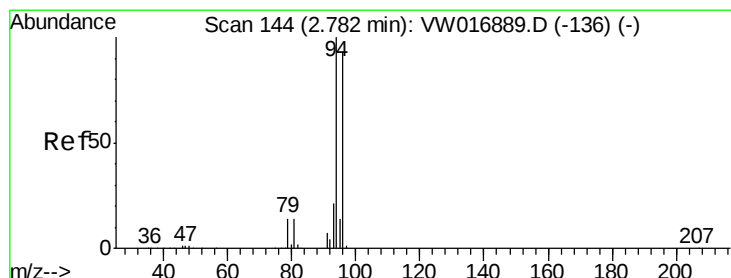
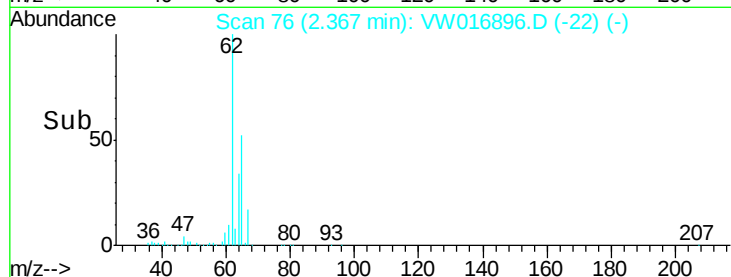
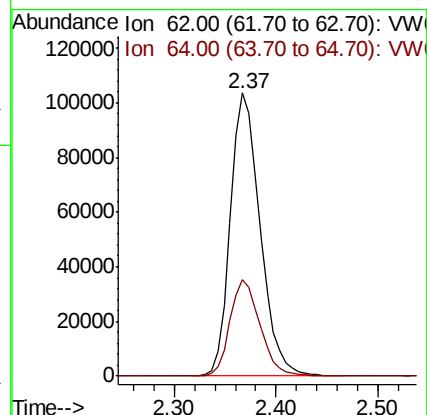
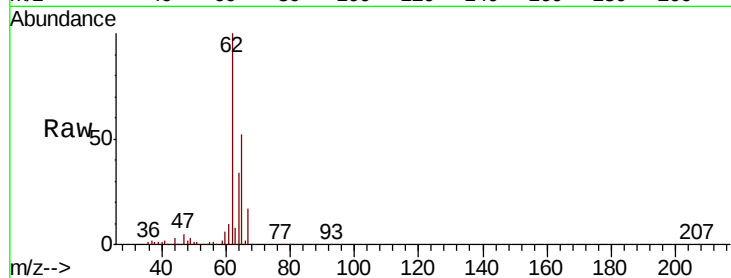
VSTD02508

Tot Ion: 62 Resp: 209314

Ion Ratio Lower Upper

62 100

64 34.2 23.5 43.7



#6

Bromomethane

Concen: 26.359 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW016896.D

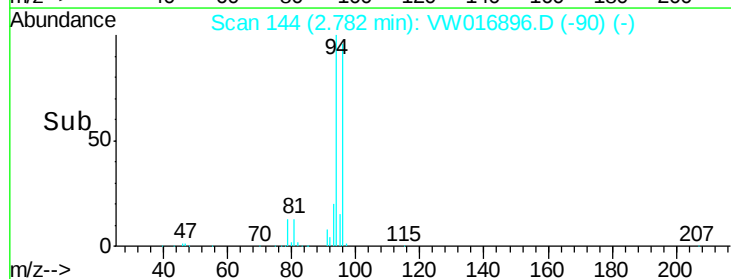
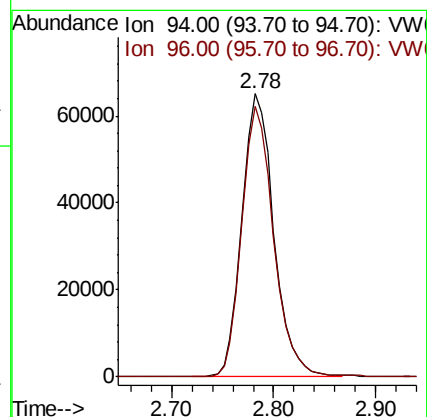
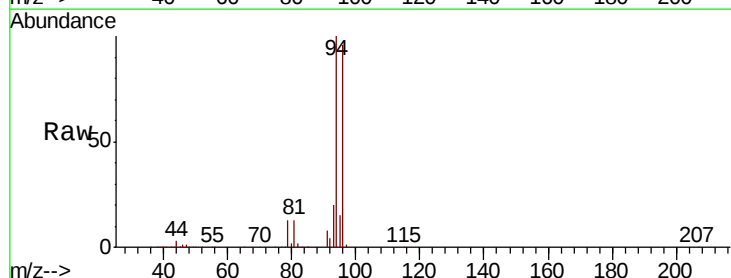
Acq: 13 Oct 2020 14:49

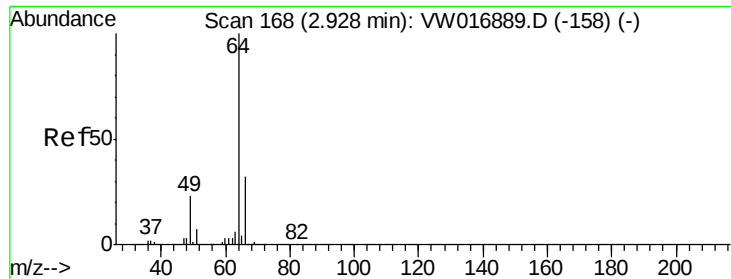
Tgt Ion: 94 Resp: 141892

Ion Ratio Lower Upper

94 100

96 95.4 9.5 180.7

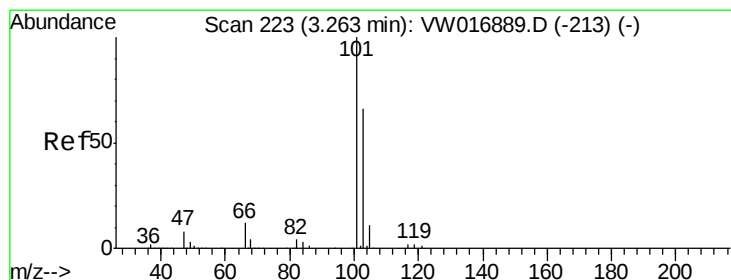
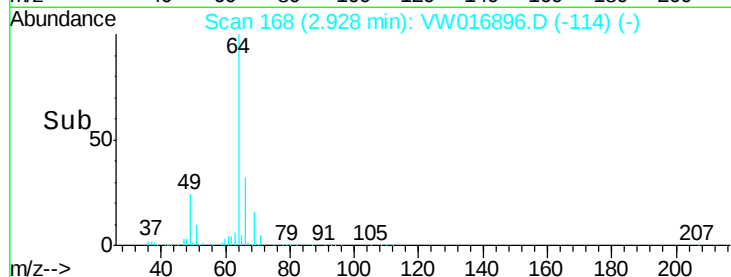
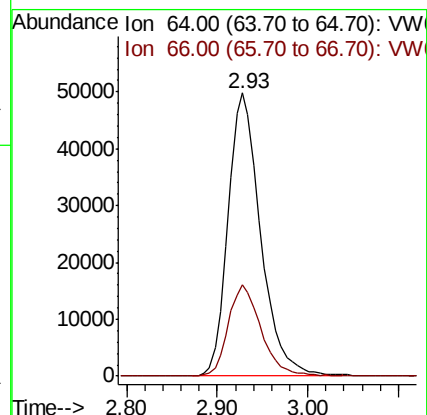
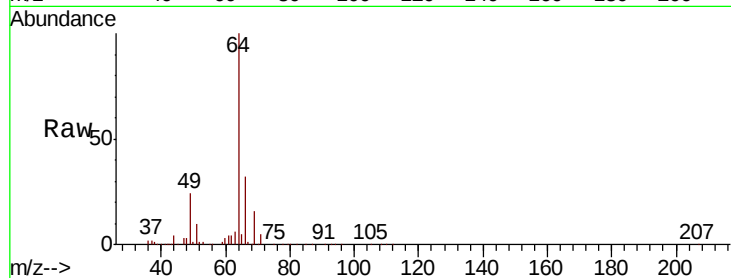




#8
Chloroethane
Concen: 27.469 ug/L
RT: 2.93 min Scan# 168
Delta R.T. -0.00 min
Lab File: VW016896.D
Acq: 13 Oct 2020 14:49

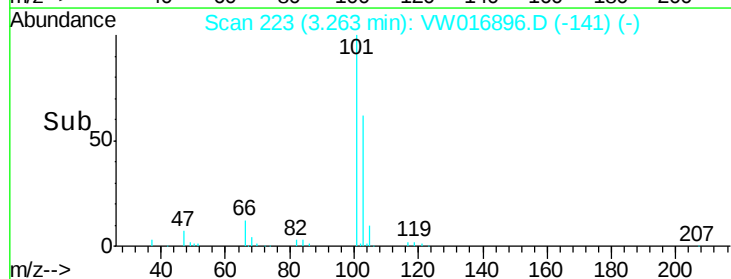
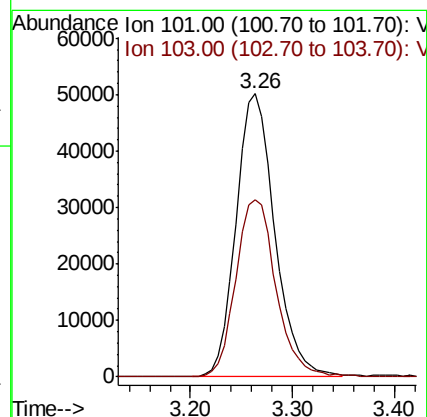
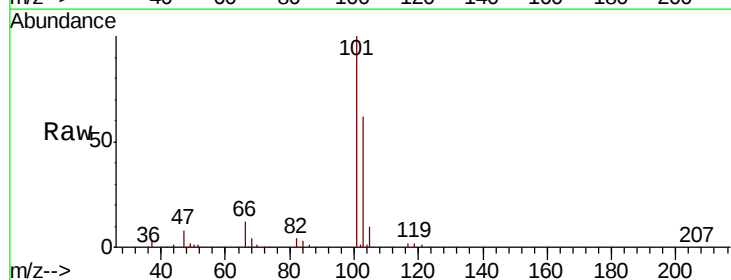
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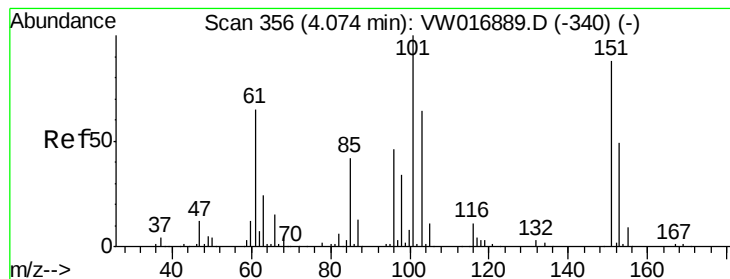
Tot Ion: 64 Resp: 124142
Ion Ratio Lower Upper
64 100
66 32.4 22.5 41.7



#9
Trichlorofluoromethane
Concen: 23.354 ug/L
RT: 3.26 min Scan# 223
Delta R.T. -0.00 min
Lab File: VW016896.D
Acq: 13 Oct 2020 14:49

Tgt Ion: 101 Resp: 132128
Ion Ratio Lower Upper
101 100
103 64.8 45.2 84.0





#11

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

Concen: 28.190 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.01 min

Lab File: VW016896.D

Acq: 13 Oct 2020 14:49

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

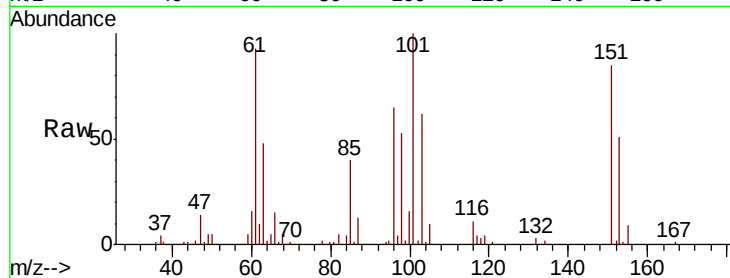
Tot Ion:101 Resp: 203176

Ion Ratio Lower Upper

101 100

85 40.6 31.7 47.5

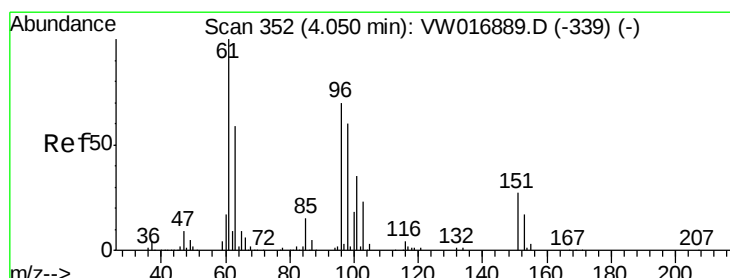
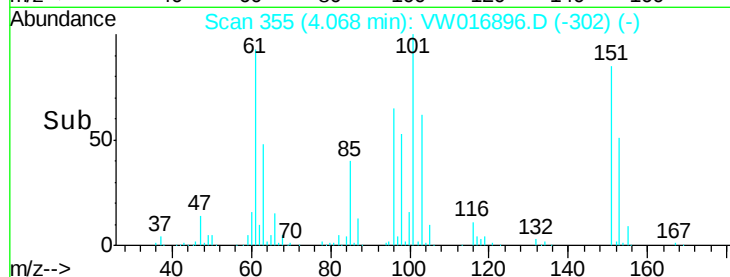
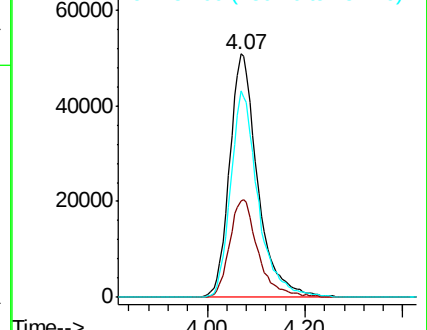
151 82.3 66.6 99.8



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: 27.507 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.01 min

Lab File: VW016896.D

Acq: 13 Oct 2020 14:49

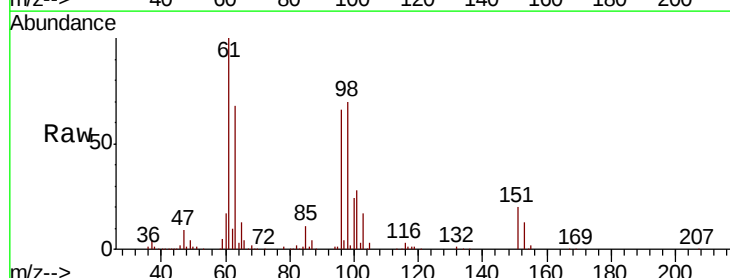
Tgt Ion: 96 Resp: 190384

Ion Ratio Lower Upper

96 100

61 150.7 105.1 195.1

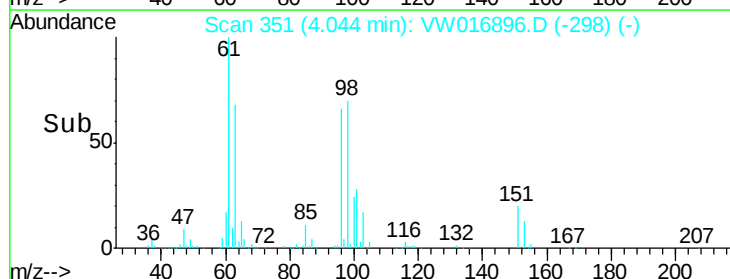
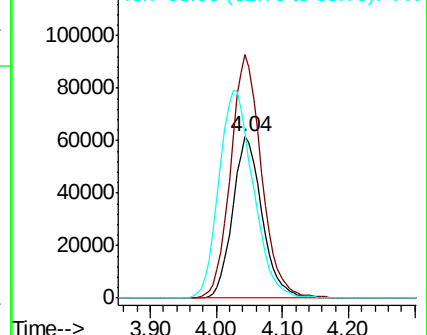
63 102.5 69.9 129.7

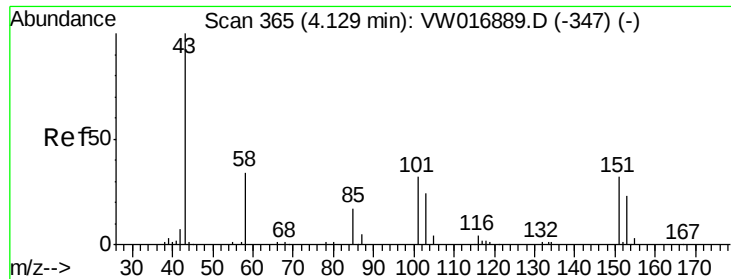


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW

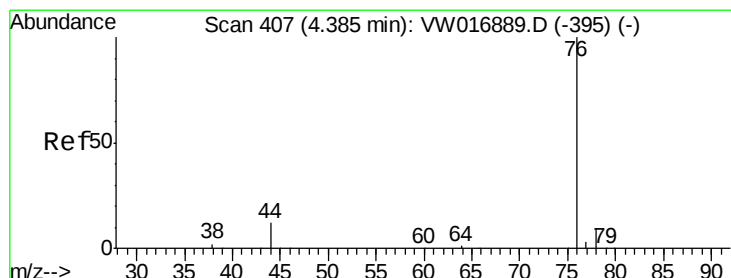
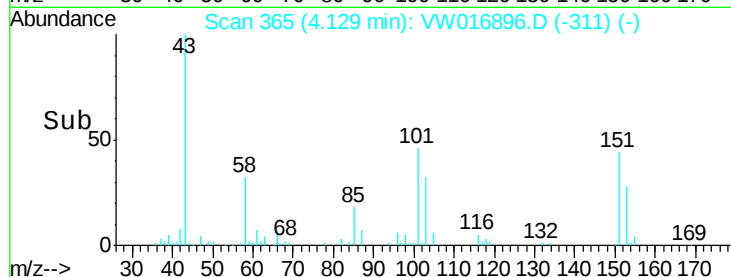
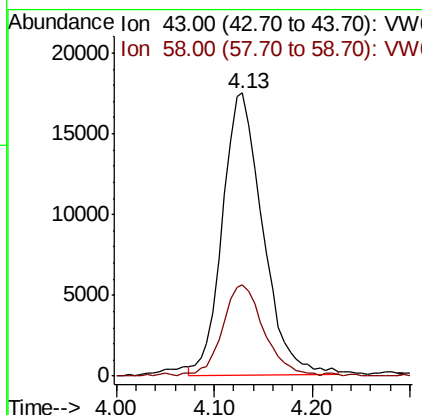
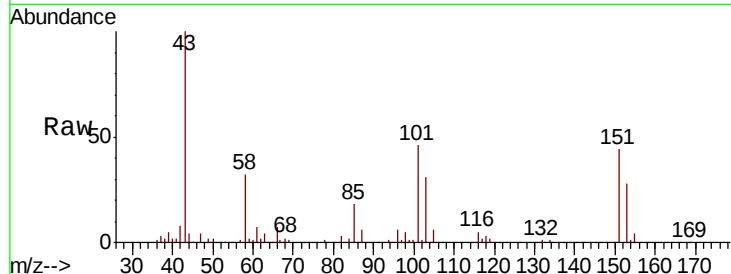




#13
Acetone
Concen: 55.482 ug/L
RT: 4.13 min Scan# 365
Delta R.T. -0.00 min
Lab File: VW016896.D
Acq: 13 Oct 2020 14:49

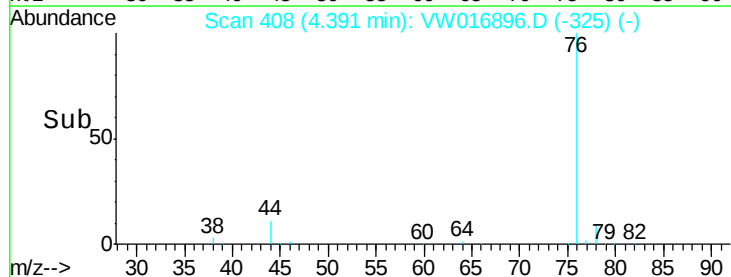
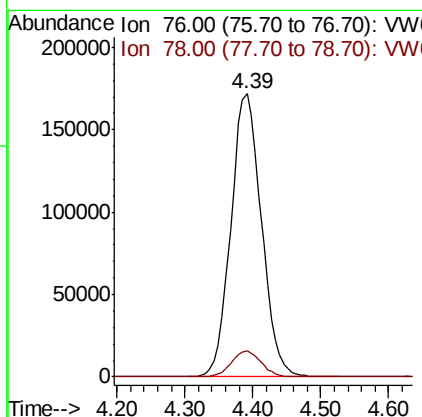
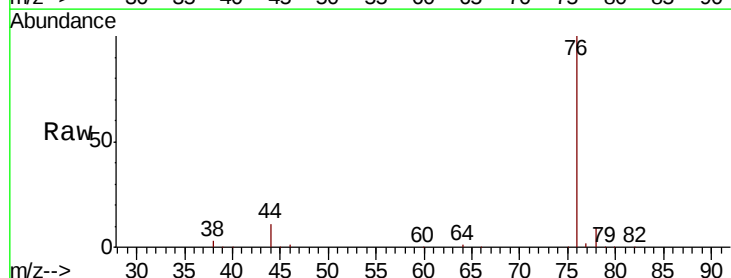
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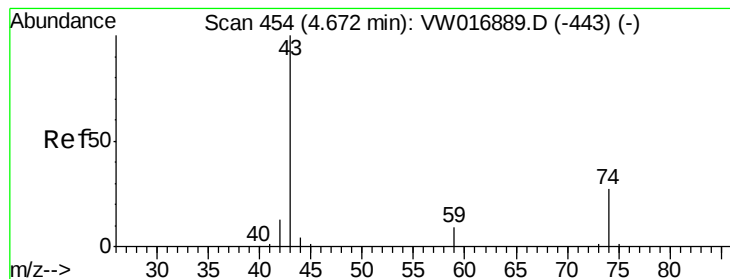
Tot Ion: 43 Resp: 50223
Ion Ratio Lower Upper
43 100
58 32.9 0.0 67.6



#14
Carbon disulfide
Concen: 26.991 ug/L
RT: 4.39 min Scan# 408
Delta R.T. 0.01 min
Lab File: VW016896.D
Acq: 13 Oct 2020 14:49

Tgt Ion: 76 Resp: 535680
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.0





#15

Methyl Acetate

Concen: 29.159 ug/L

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW016896.D

Acq: 13 Oct 2020 14:49

Instrument :

MSVOA_W

ClientSampleId :

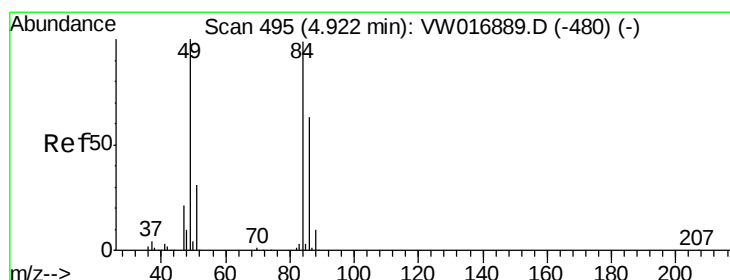
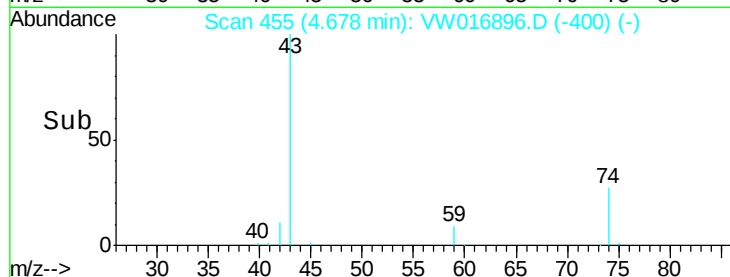
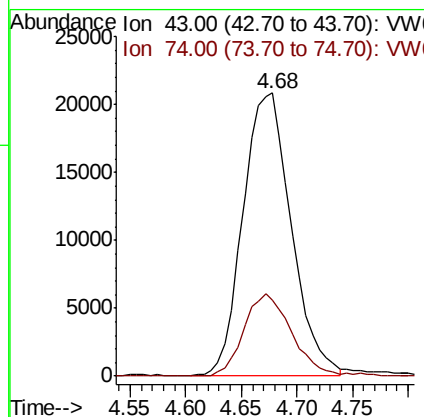
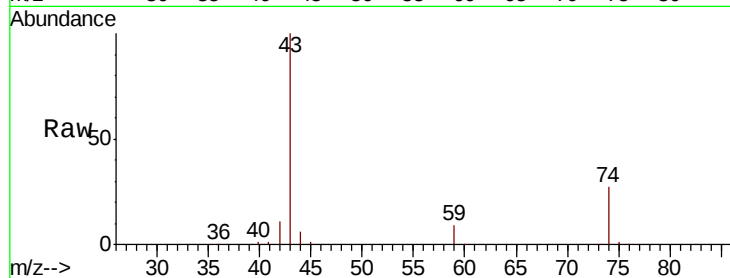
VSTD02508

Tot Ion: 43 Resp: 63065

Ion Ratio Lower Upper

43 100

74 28.5 22.7 34.1



#16

Methylene chloride

Concen: 26.463 ug/L

RT: 4.92 min Scan# 495

Delta R.T. -0.00 min

Lab File: VW016896.D

Acq: 13 Oct 2020 14:49

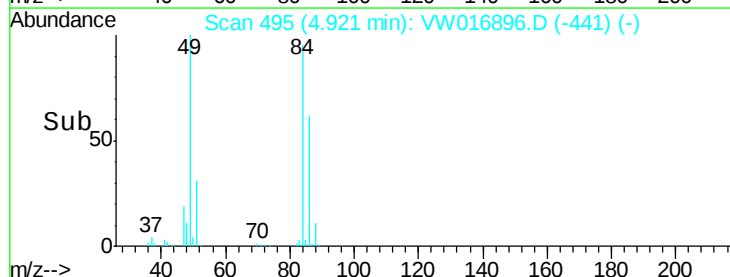
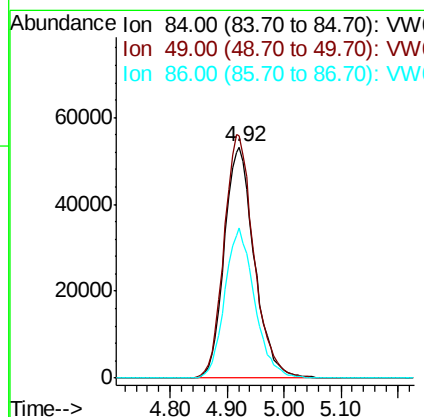
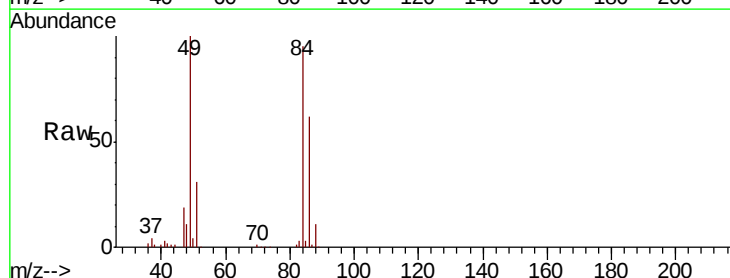
Tgt Ion: 84 Resp: 195509

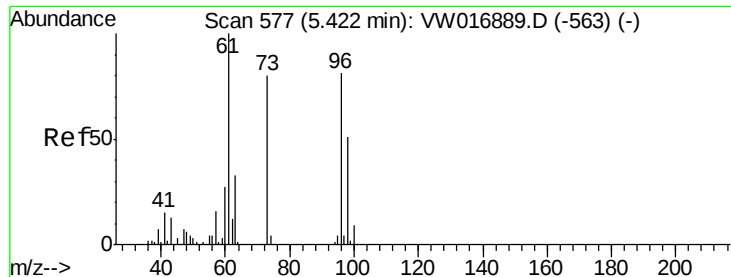
Ion Ratio Lower Upper

84 100

49 105.2 73.1 135.8

86 65.1 46.0 85.4

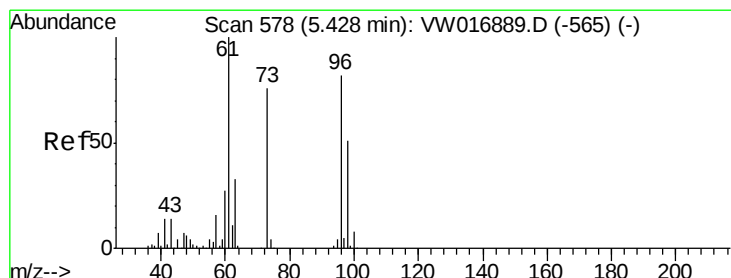
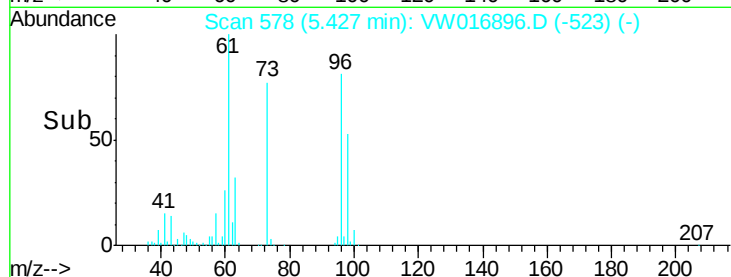
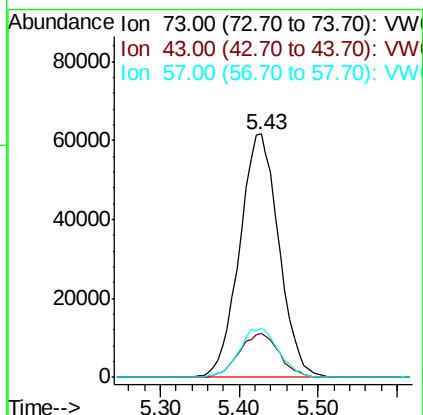
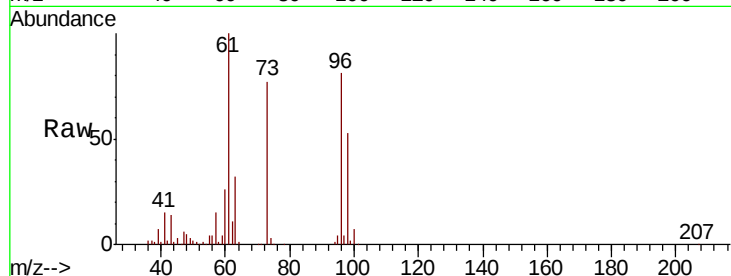




#17
Methvl tert-butvl Ether
Concen: 27.452 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW016896.D
Acq: 13 Oct 2020 14:49

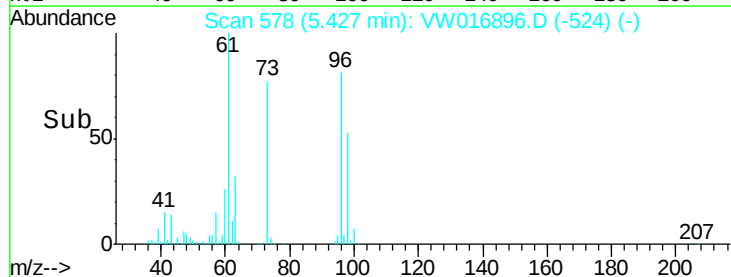
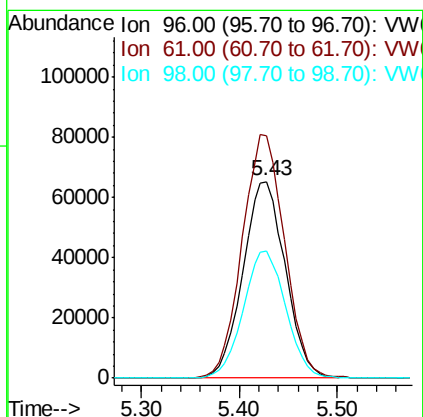
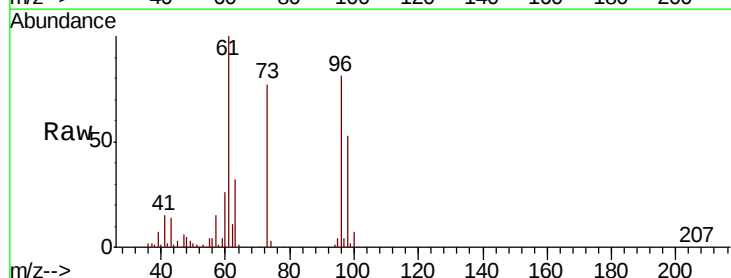
Instrument :
MSVOA_W
ClientSampleId :
VSTD02508

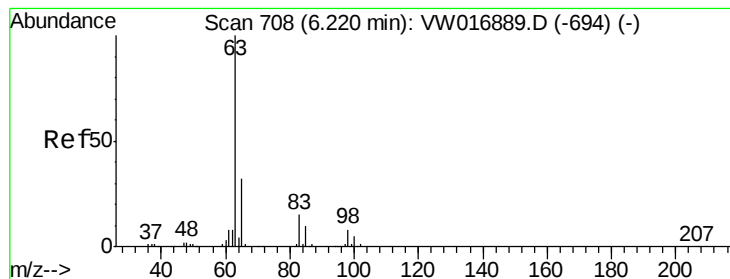
Tot Ion: 73 Resp: 212622
Ion Ratio Lower Upper
73 100
43 18.6 15.0 22.4
57 9.9 16.4 24.6#



#18
trans-1,2-Dichloroethene
Concen: 27.156 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW016896.D
Acq: 13 Oct 2020 14:49

Tgt Ion: 96 Resp: 196357
Ion Ratio Lower Upper
96 100
61 123.4 82.5 153.3
98 64.9 43.3 80.5





#19

1,1-Dichloroethane

Concen: 27.731 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW016896.D

Acq: 13 Oct 2020 14:49

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

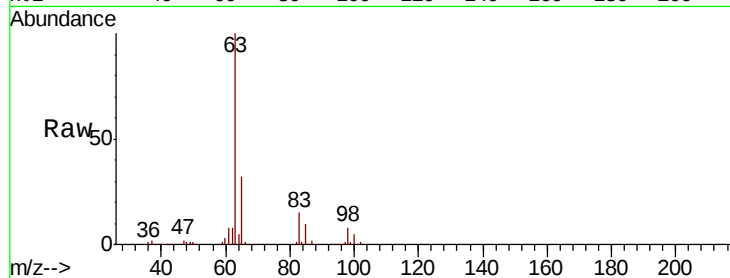
Tot Ion: 63 Resp: 308783

Ion Ratio Lower Upper

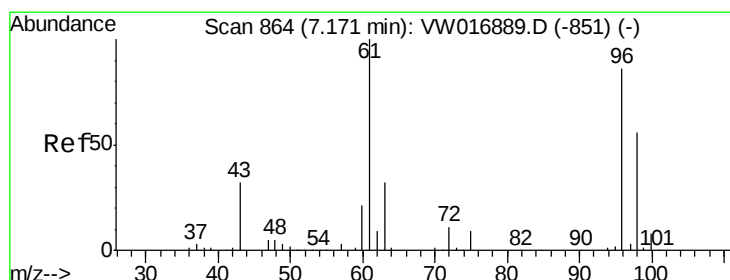
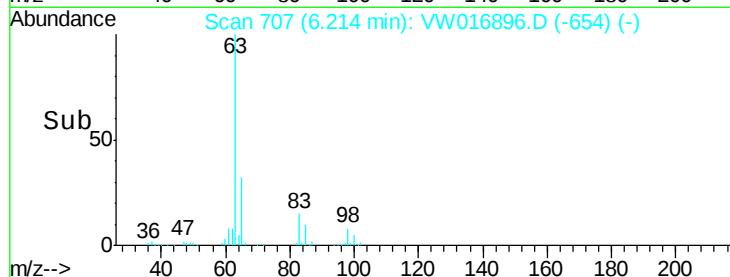
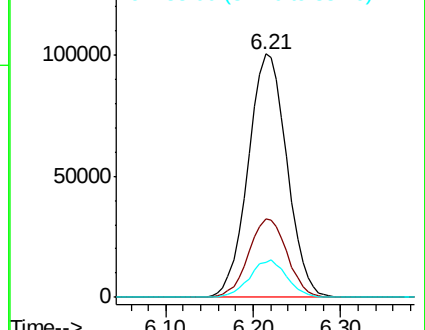
63 100

65 32.3 22.7 42.1

83 14.6 9.9 18.5



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



#21

2-Butanone

Concen: 53.438 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW016896.D

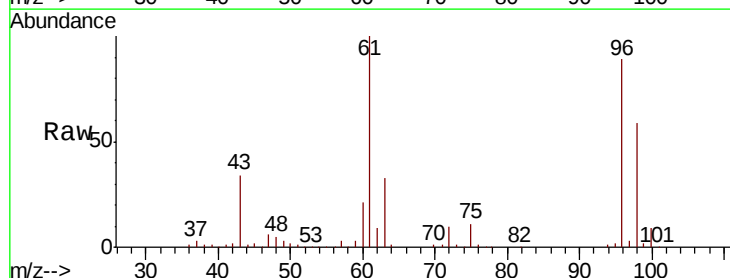
Acq: 13 Oct 2020 14:49

Tgt Ion: 43 Resp: 81204

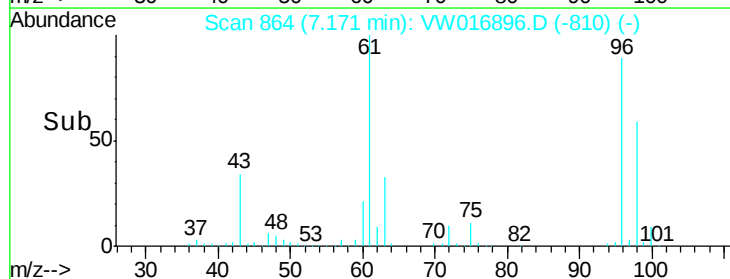
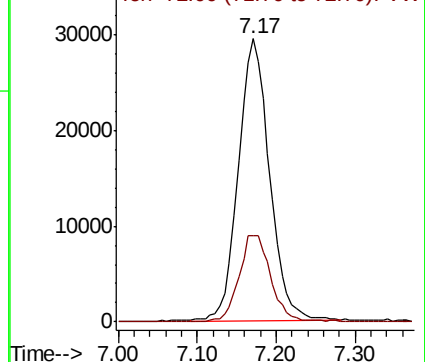
Ion Ratio Lower Upper

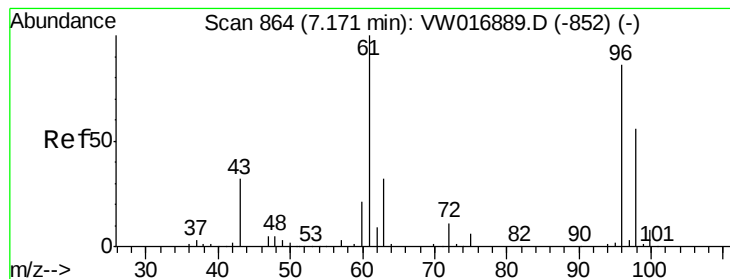
43 100

72 31.1 16.2 48.5



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



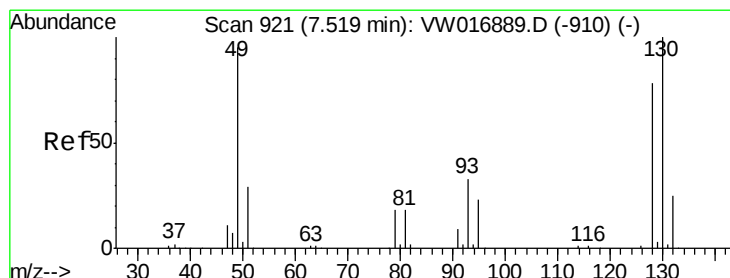
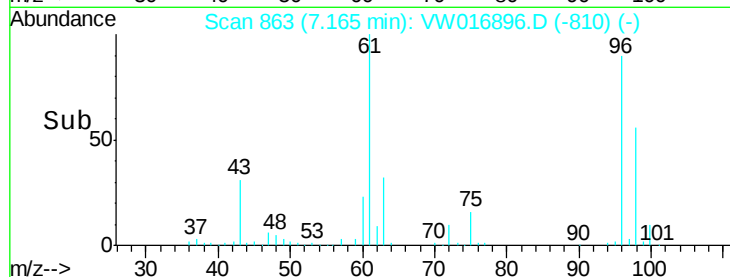
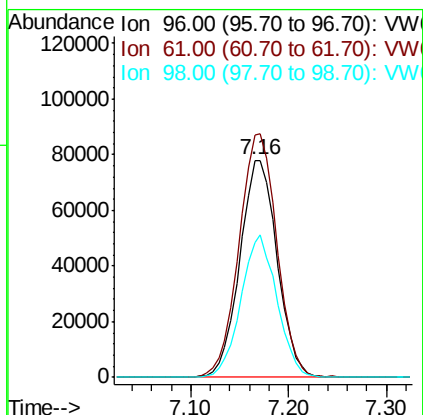
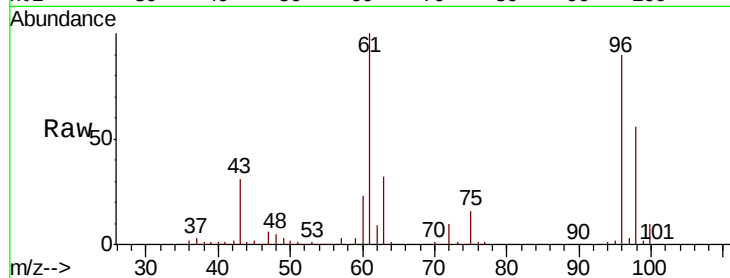


#22

cis-1,2-Dichloroethene
 Concen: 27.954 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW016896.D
 Acq: 13 Oct 2020 14:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

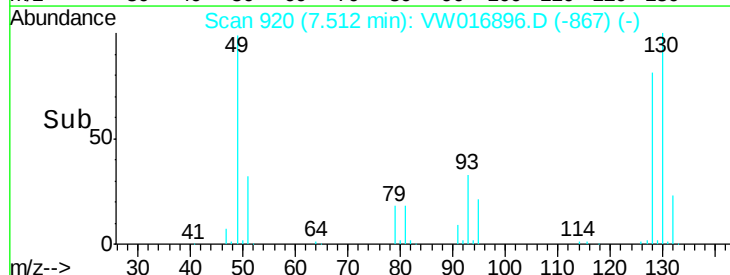
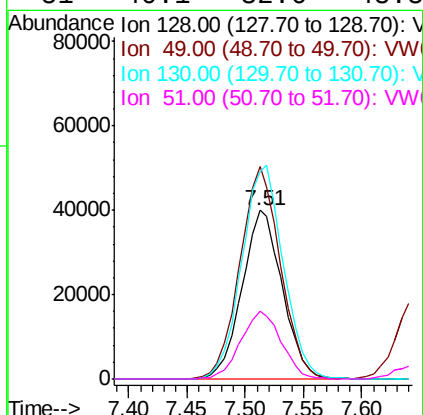
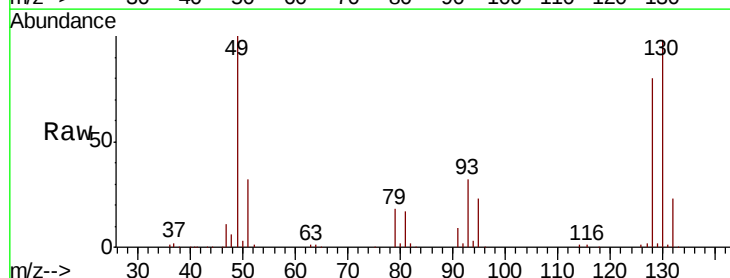
Tot Ion: 96 Resp: 206241
 Ion Ratio Lower Upper
 96 100
 61 111.5 76.0 141.2
 98 62.1 42.7 79.3

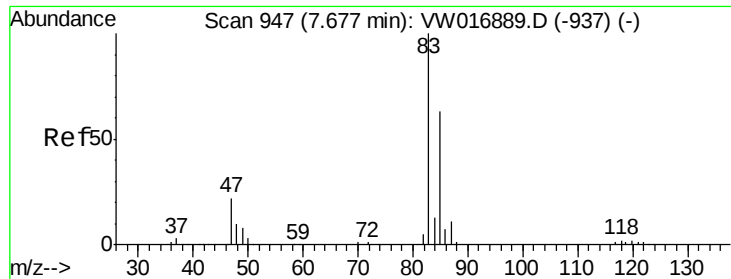


#23

Bromochloromethane
 Concen: 27.682 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VW016896.D
 Acq: 13 Oct 2020 14:49

Tgt Ion: 128 Resp: 95908
 Ion Ratio Lower Upper
 128 100
 49 125.7 88.5 164.3
 130 122.9 92.9 172.5
 51 40.1 32.6 48.8

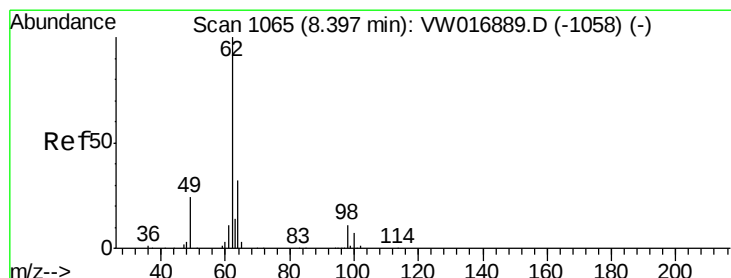
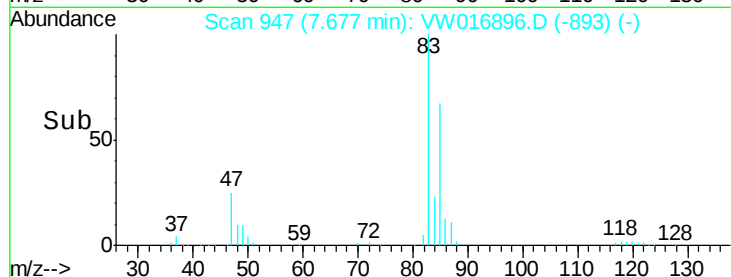
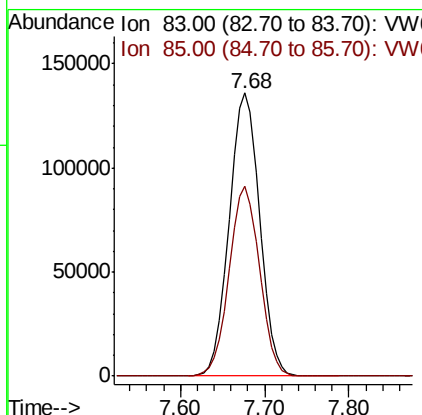
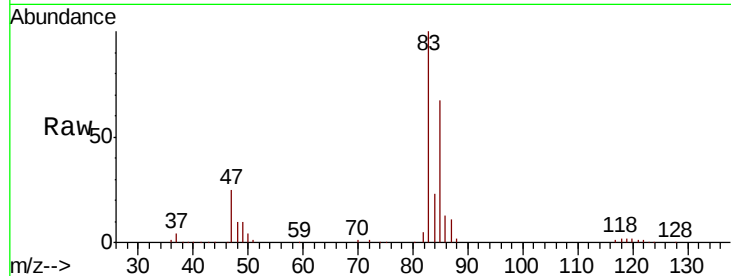




#25
Chloroform
Concen: 27.754 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW016896.D
Acq: 13 Oct 2020 14:49

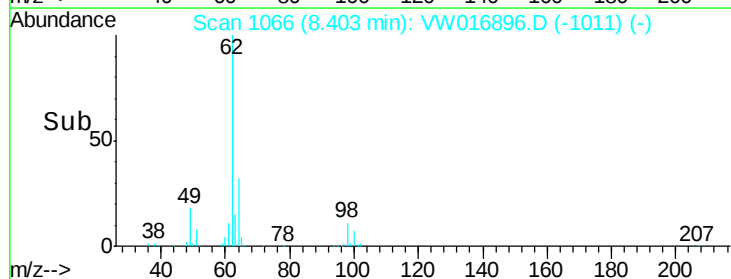
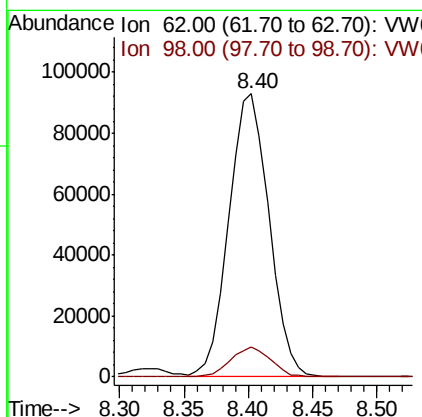
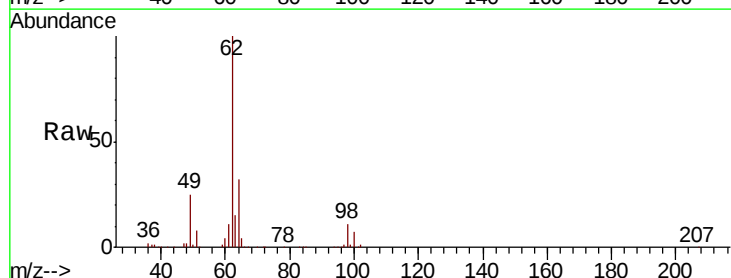
Instrument :
MSVOA_W
ClientSampleId :
VSTD02508

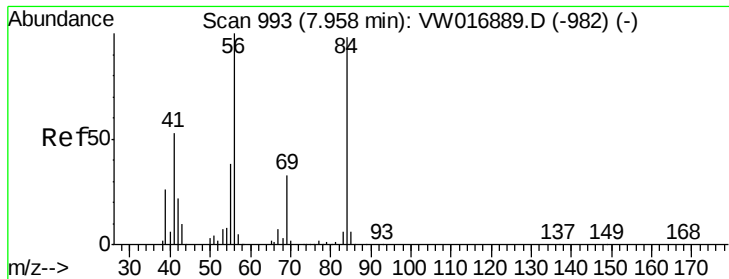
Tot Ion: 83 Resp: 333730
Ion Ratio Lower Upper
83 100
85 67.1 46.9 87.1



#27
1,2-Dichloroethane
Concen: 28.140 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW016896.D
Acq: 13 Oct 2020 14:49

Tgt Ion: 62 Resp: 202419
Ion Ratio Lower Upper
62 100
98 10.7 8.6 12.8

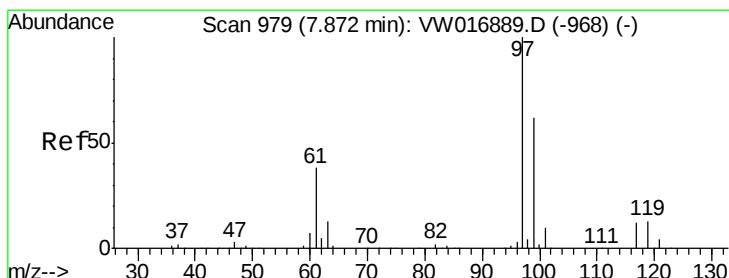
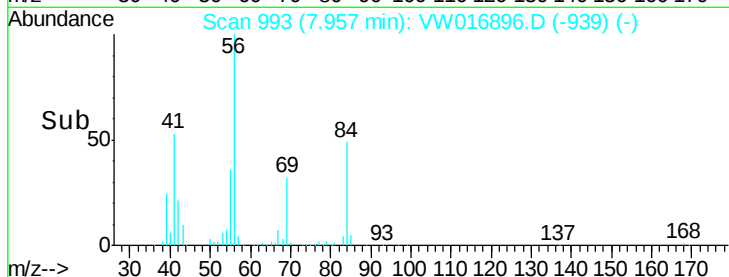
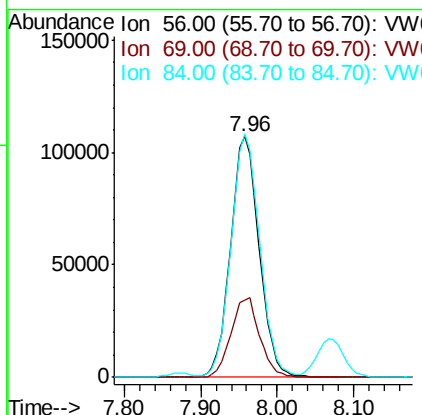
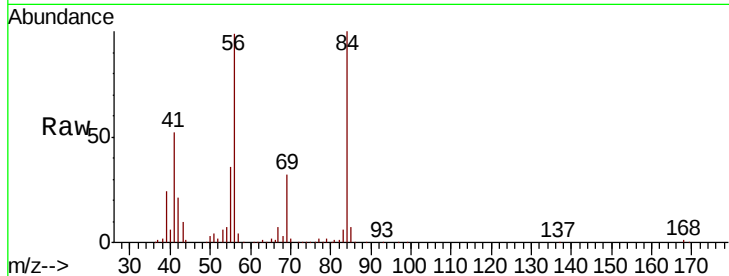




#30
Cyclohexane
Concen: 28.017 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW016896.D
Acq: 13 Oct 2020 14:49

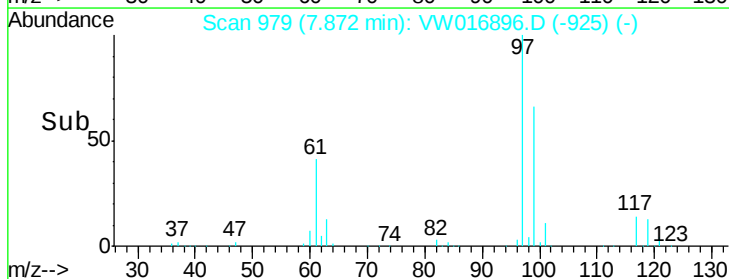
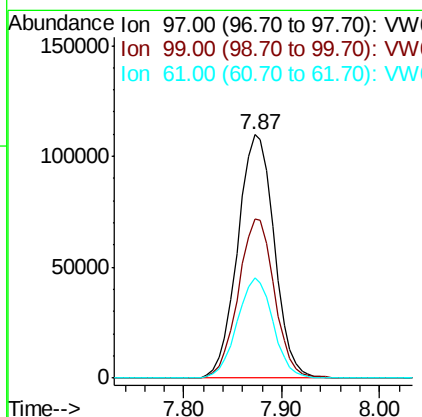
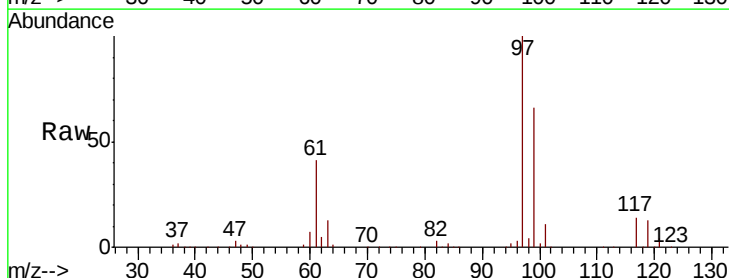
Instrument :
MSVOA_W
ClientSampleId :
VSTD02508

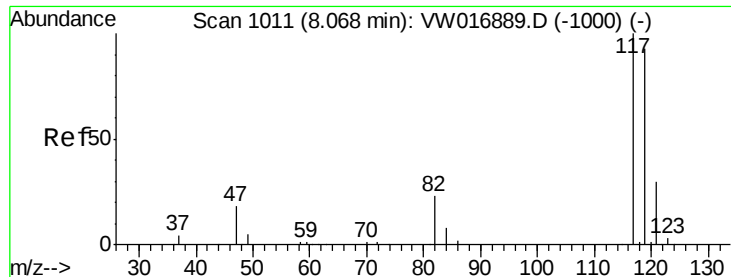
Tot Ion	56	Resp	278521
Ion Ratio	Lower	Upper	
56	100		
69	33.2	26.1	39.1
84	101.1	79.3	118.9



#31
1,1,1-Trichloroethane
Concen: 27.989 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW016896.D
Acq: 13 Oct 2020 14:49

Tgt Ion	97	Resp	285328
Ion Ratio	Lower	Upper	
97	100		
99	64.8	51.5	77.3
61	40.5	32.5	48.7





#32

Carbon tetrachloride

Concen: 28.215 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW016896.D

Acq: 13 Oct 2020 14:49

Instrument :

MSVOA_W

ClientSampleId :

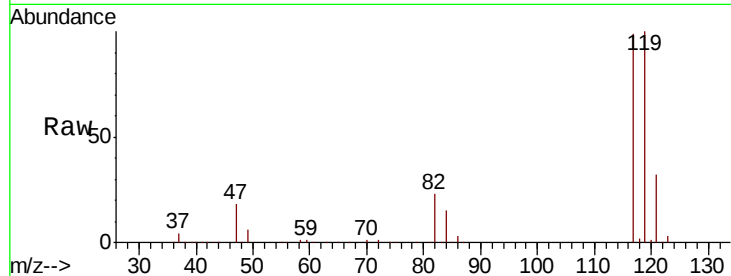
VSTD02508

Tot Ion:117 Resp: 280685

Ion Ratio Lower Upper

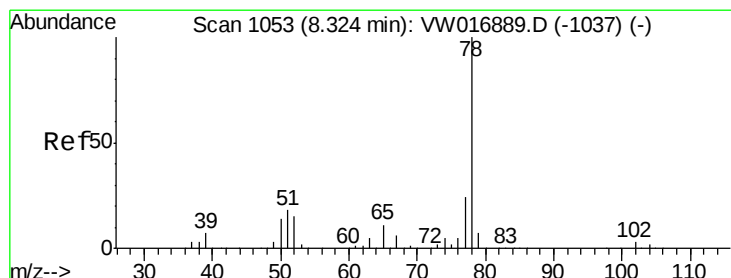
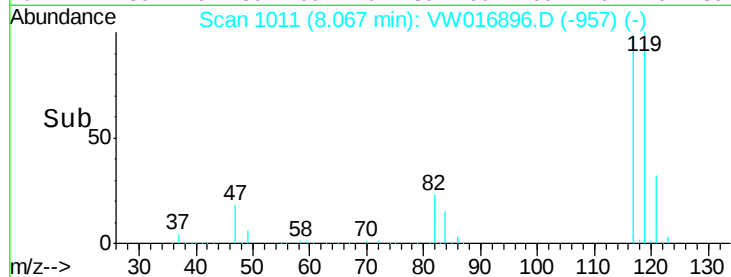
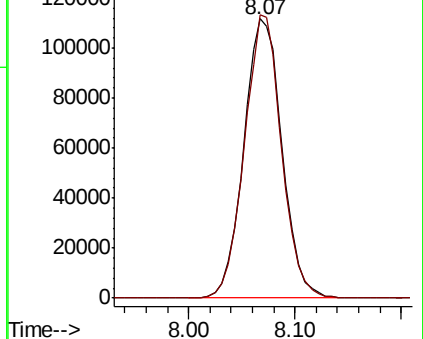
117 100

119 98.0 77.4 116.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 28.288 ug/L

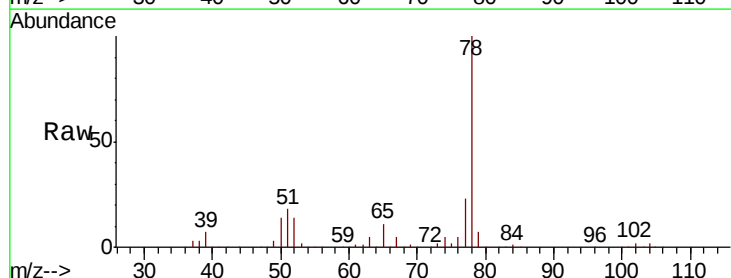
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

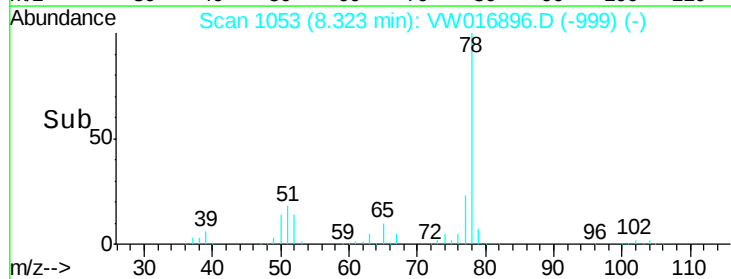
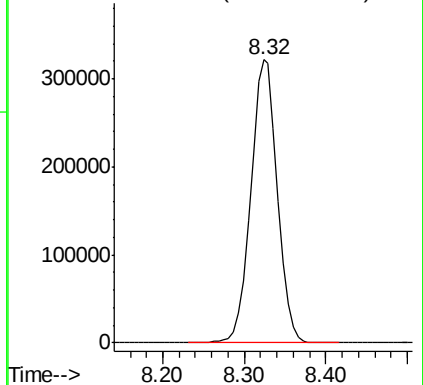
Lab File: VW016896.D

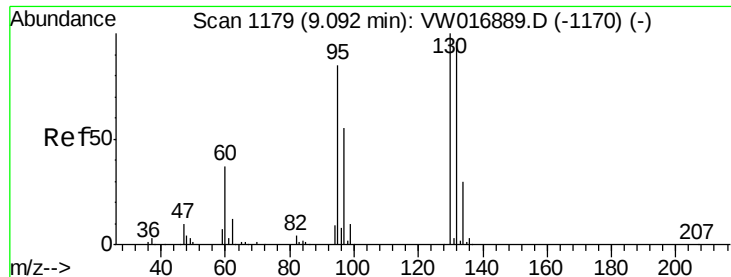
Acq: 13 Oct 2020 14:49

Tgt Ion: 78 Resp: 728227



Abundance Ion 78.00 (77.70 to 78.70): VW

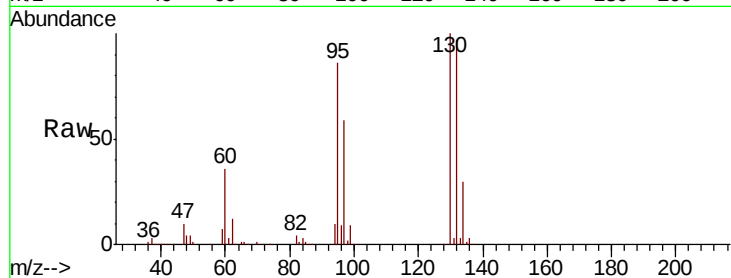




#35
 Trichloroethene
 Concen: 28.008 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW016896.D
 Acq: 13 Oct 2020 14:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

Tot Ion	95	Resp	203950
Ion	Ratio	Lower	Upper
95	100		
97	65.2	44.7	83.1
132	105.4	73.8	137.2
130	108.8	77.1	143.3



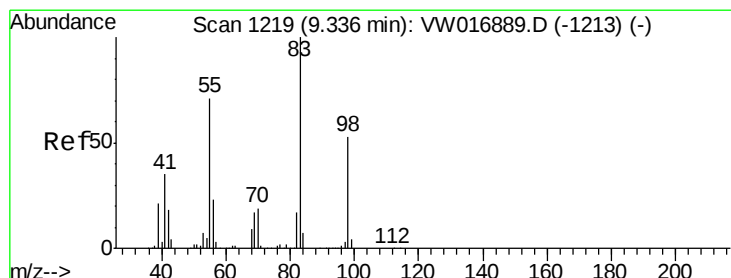
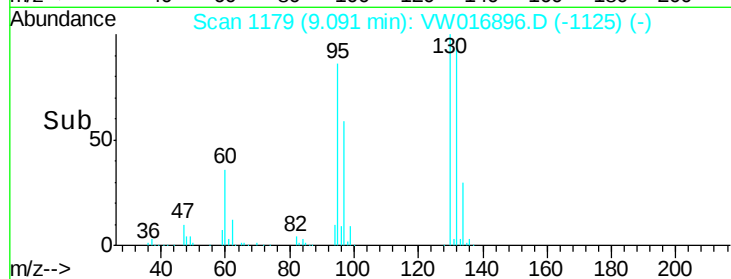
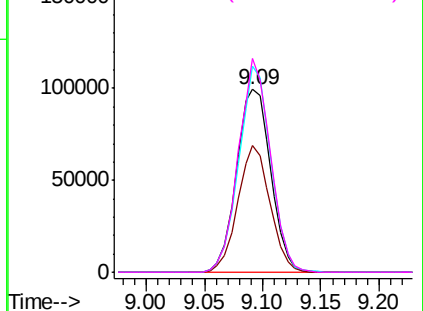
Abundance

Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

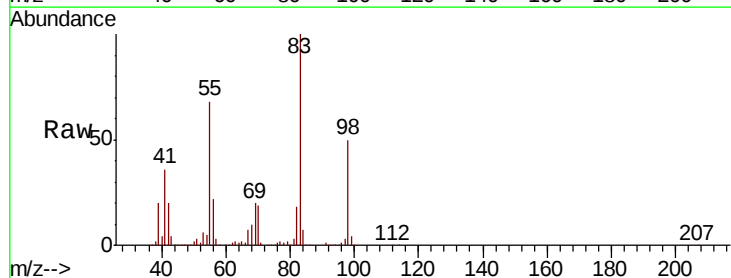
Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36
 Methylcyclohexane
 Concen: 28.304 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW016896.D
 Acq: 13 Oct 2020 14:49

Tgt Ion	83	Resp	346540
Ion	Ratio	Lower	Upper
83	100		
55	68.3	54.2	81.4
98	51.6	41.4	62.2

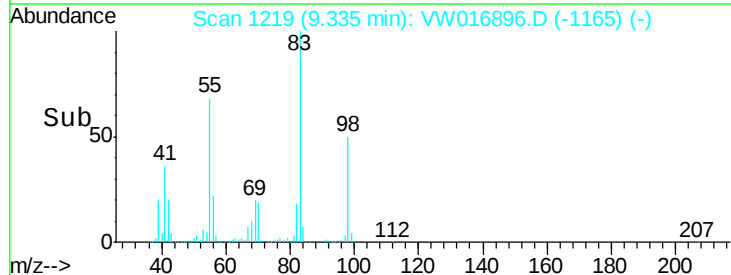
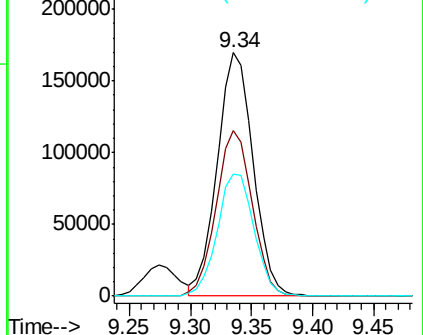


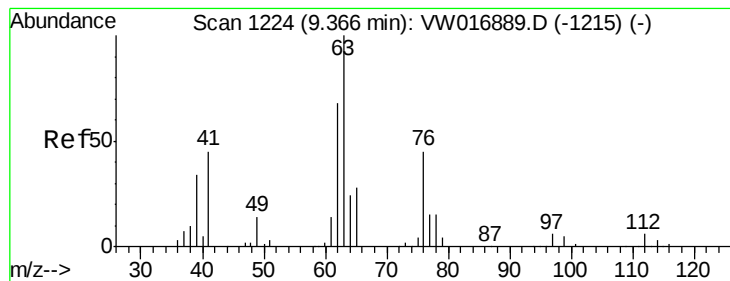
Abundance

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: 28.323 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VW016896.D

Acq: 13 Oct 2020 14:49

Instrument :

MSVOA_W

ClientSampleId :

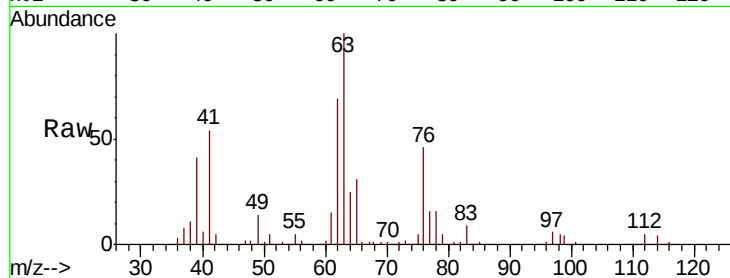
VSTD02508

Tot Ion: 63 Resp: 164874

Ion Ratio Lower Upper

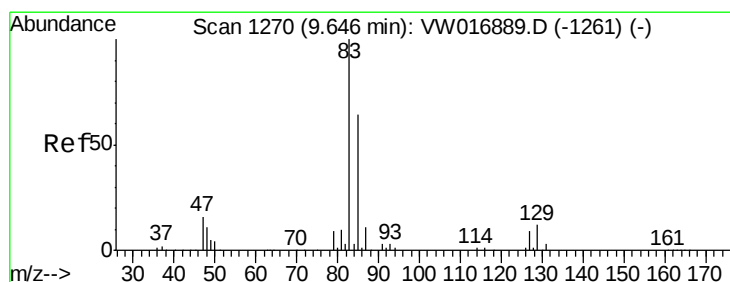
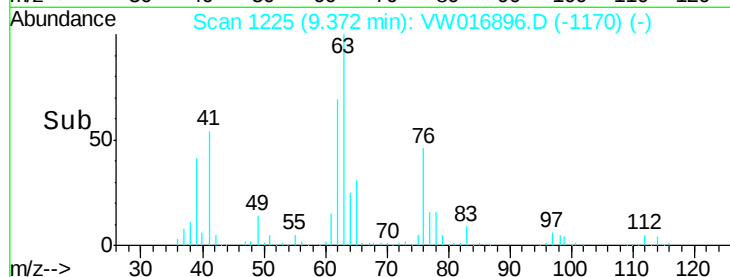
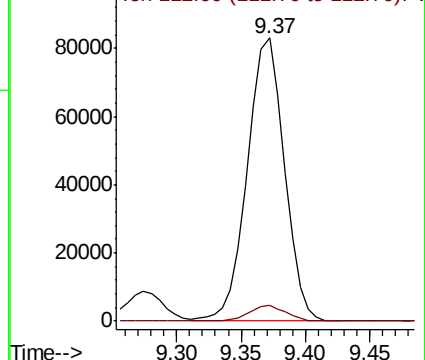
63 100

112 5.5 4.5 6.7



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 28.906 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW016896.D

Acq: 13 Oct 2020 14:49

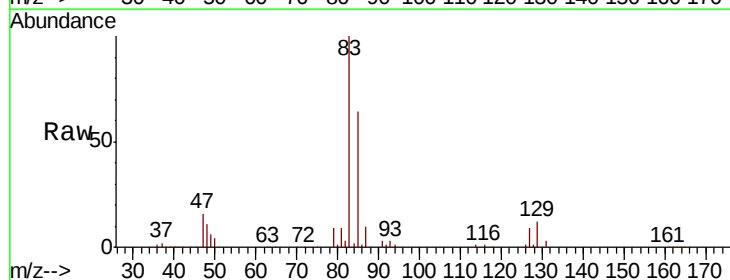
Tgt Ion: 83 Resp: 236388

Ion Ratio Lower Upper

83 100

85 64.0 46.2 85.8

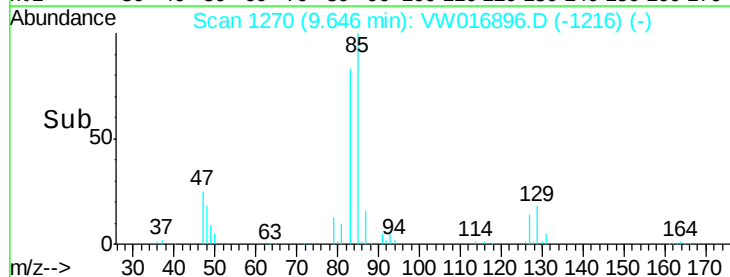
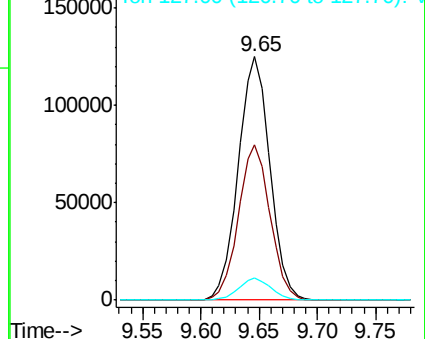
127 9.2 7.5 11.3

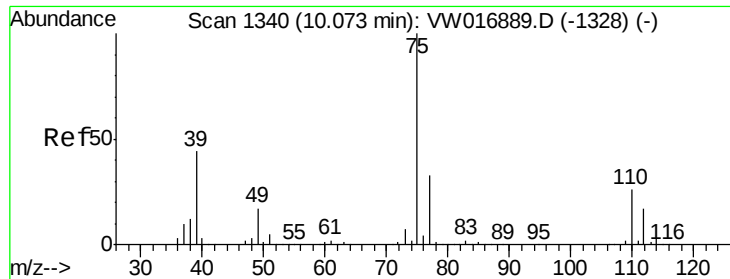


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V

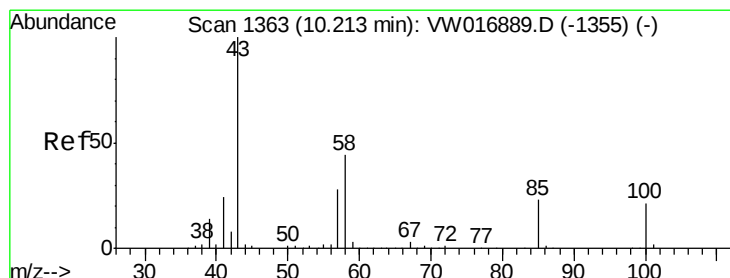
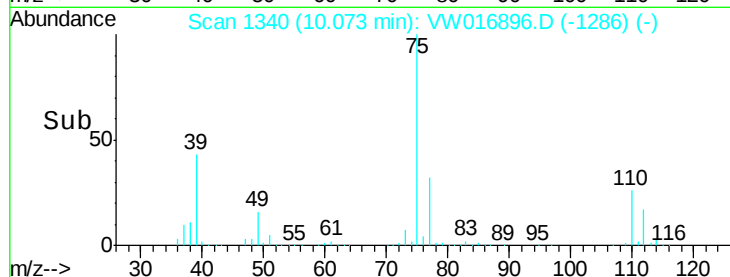
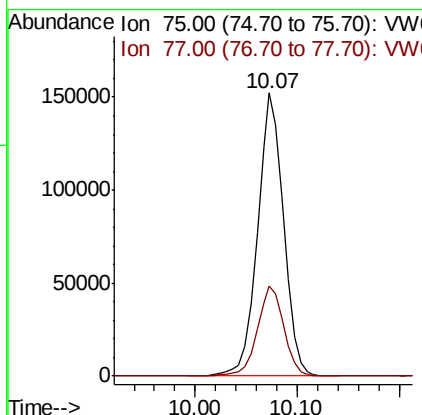
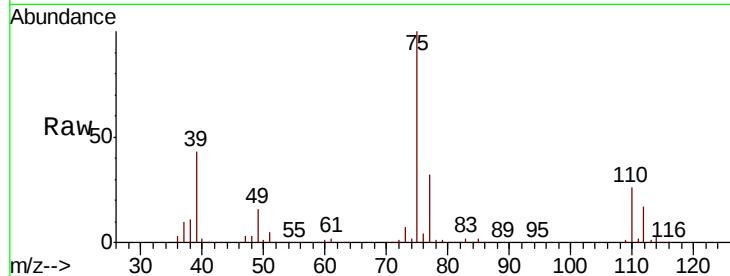




#42
 cis-1,3-Dichloropropene
 Concen: 29.156 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW016896.D
 Acq: 13 Oct 2020 14:49

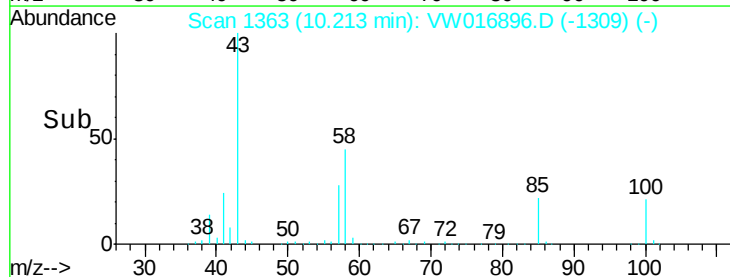
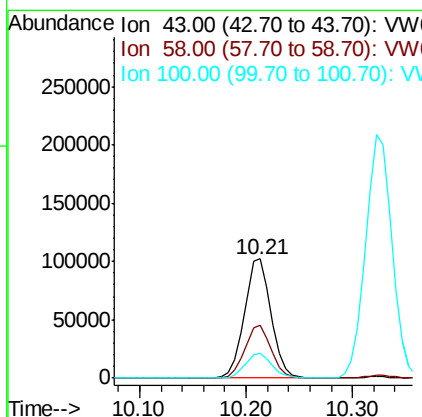
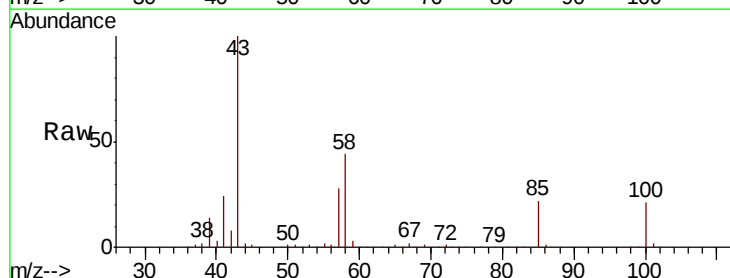
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

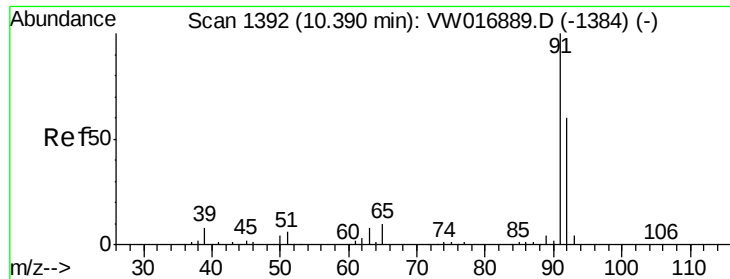
Tot Ion: 75 Resp: 270596
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.1 41.1



#43
 4-Methyl-2-pentanone
 Concen: 61.610 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW016896.D
 Acq: 13 Oct 2020 14:49

Tgt Ion: 43 Resp: 180555
 Ion Ratio Lower Upper
 43 100
 58 43.7 34.7 52.1
 100 21.0 16.9 25.3





#44

Toluene

Concen: 28.239 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW016896.D

Acq: 13 Oct 2020 14:49

Instrument :

MSVOA_W

ClientSampled :

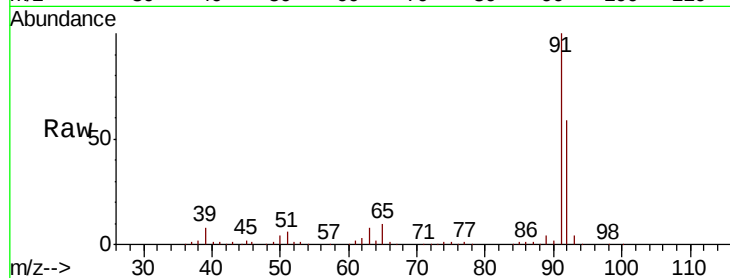
VSTD02508

Tot Ion: 91 Resp: 806454

Ion Ratio Lower Upper

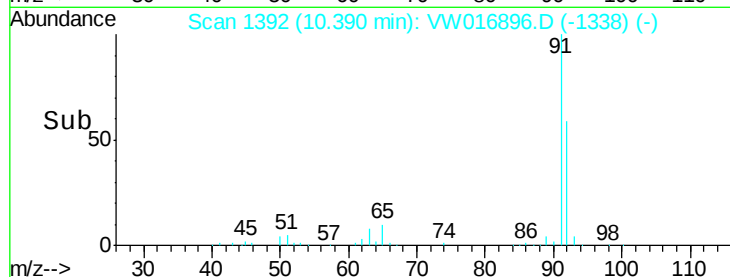
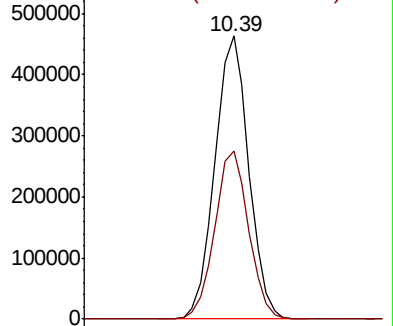
91 100

92 59.2 39.4 73.2

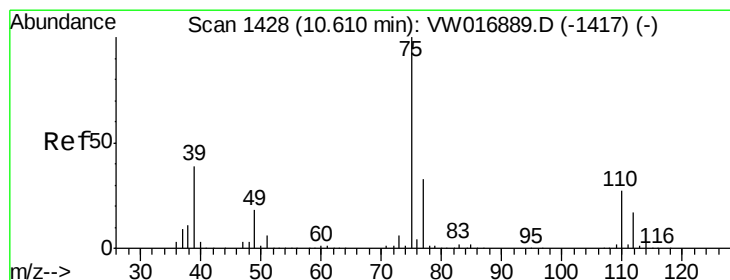


Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW



Time-->



#45

trans-1,3-Dichloropropene

Concen: 30.281 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW016896.D

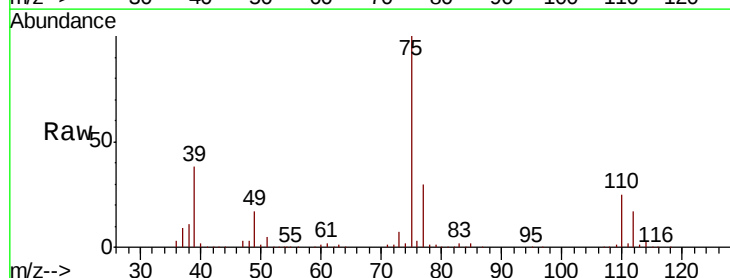
Acq: 13 Oct 2020 14:49

Tgt Ion: 75 Resp: 236490

Ion Ratio Lower Upper

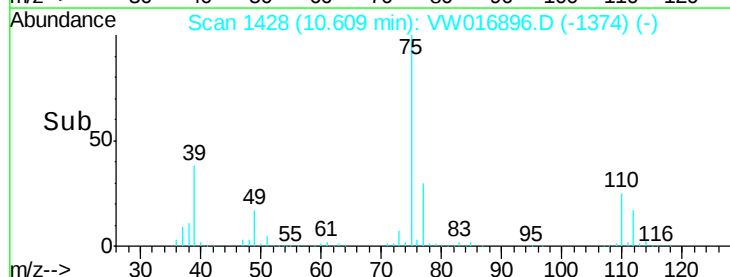
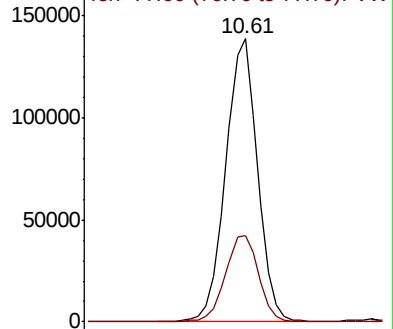
75 100

77 30.4 22.2 41.2

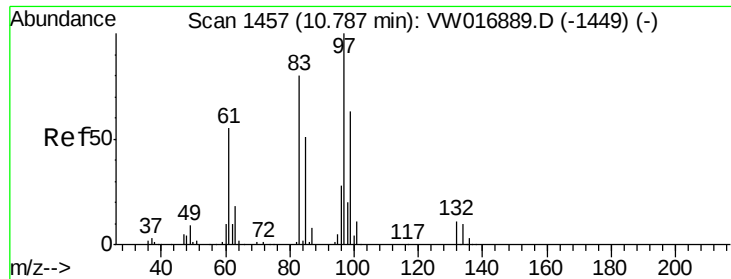


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



Time-->



#46

1,1,2-Trichloroethane

Concen: 29.580 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW016896.D

Acq: 13 Oct 2020 14:49

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

Tot Ion: 97 Resp: 139975

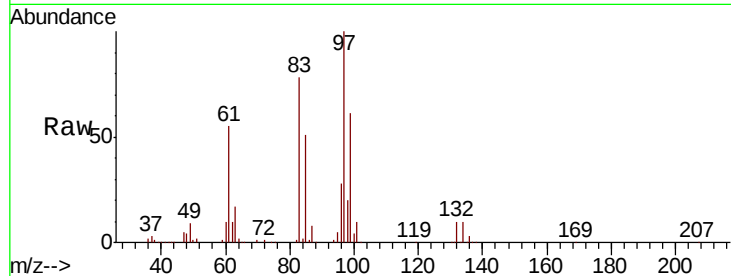
Ion Ratio Lower Upper

97 100

83 77.7 56.8 105.4

85 51.4 37.0 68.6

99 60.8 44.2 82.2



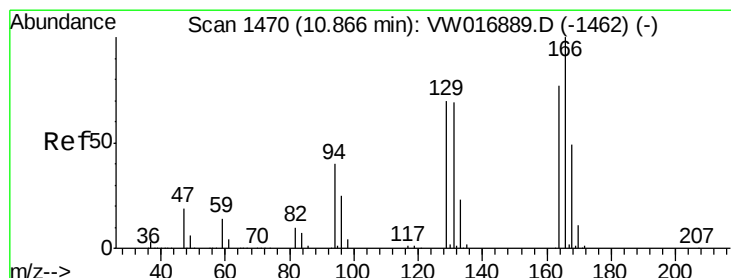
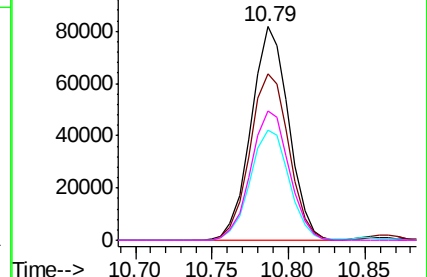
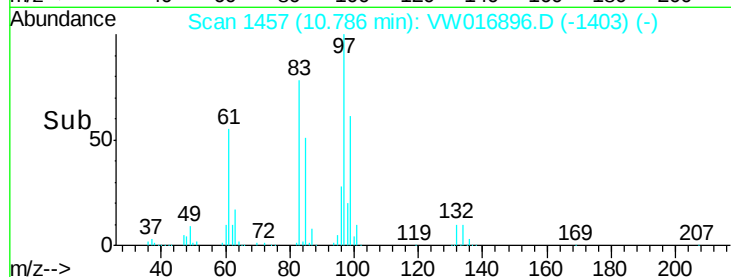
Abundance

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: 27.754 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW016896.D

Acq: 13 Oct 2020 14:49

Tgt Ion: 164 Resp: 187368

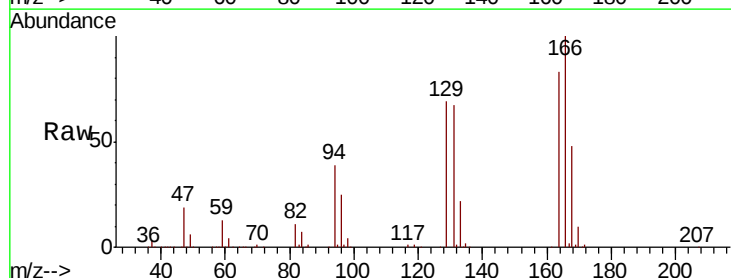
Ion Ratio Lower Upper

164 100

129 83.6 61.7 114.7

131 81.2 59.7 110.9

166 120.8 88.3 164.1



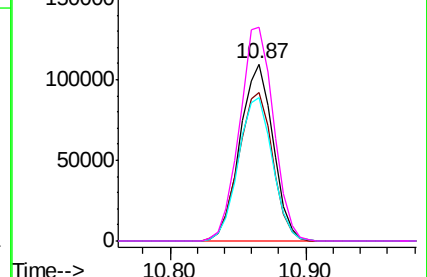
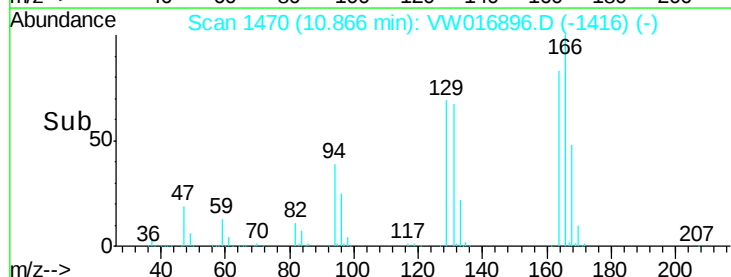
Abundance

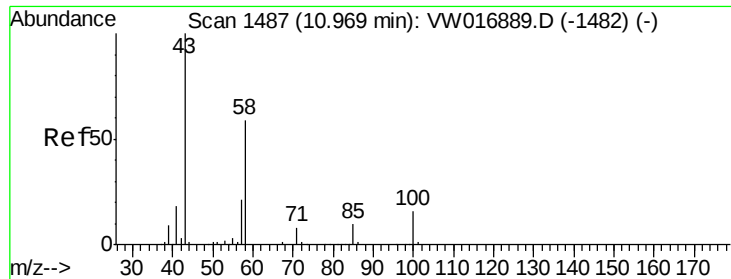
Ion 164.00 (163.70 to 164.70): V

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: 63.015 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW016896.D

Acq: 13 Oct 2020 14:49

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

Tot Ion: 43 Resp: 121893

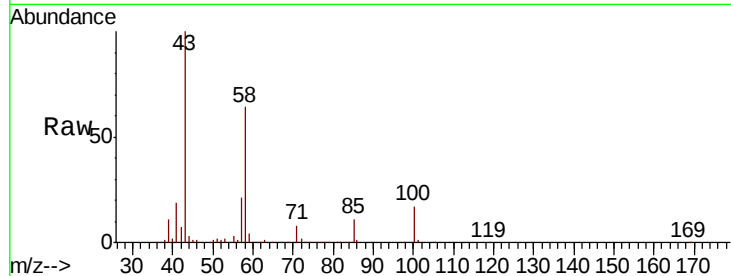
Ion Ratio Lower Upper

43 100

58 60.8 47.1 70.7

57 21.3 16.2 24.4

100 16.7 13.3 19.9

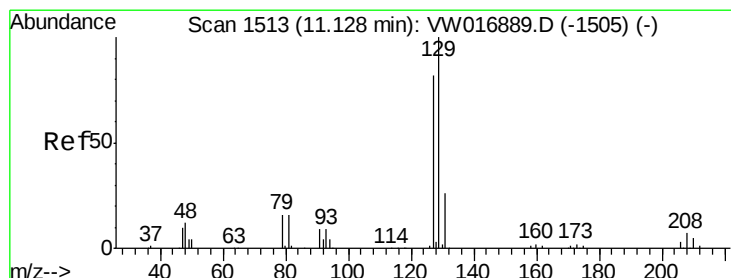
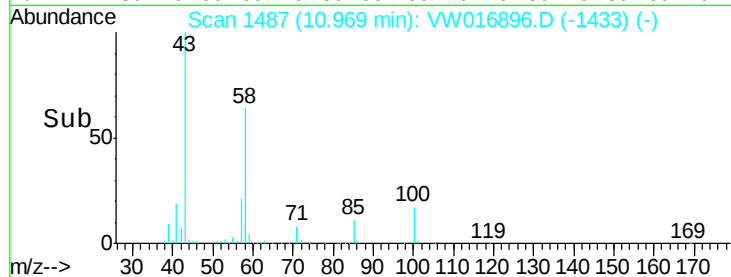
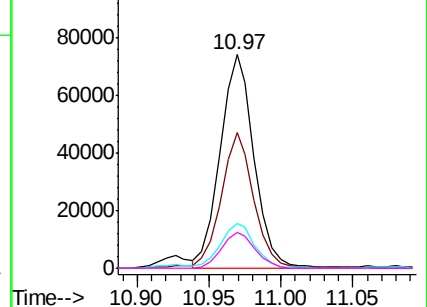


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 29.526 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW016896.D

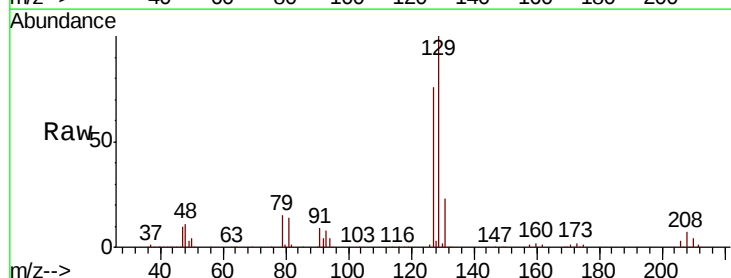
Acq: 13 Oct 2020 14:49

Tgt Ion: 129 Resp: 173696

Ion Ratio Lower Upper

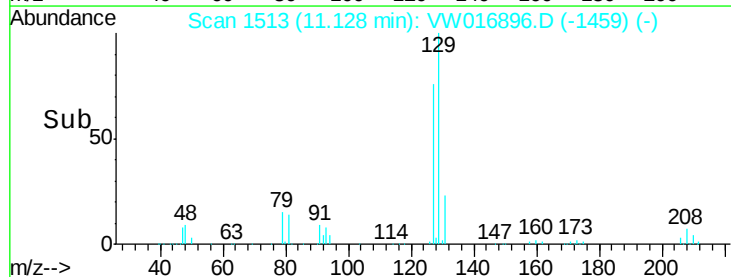
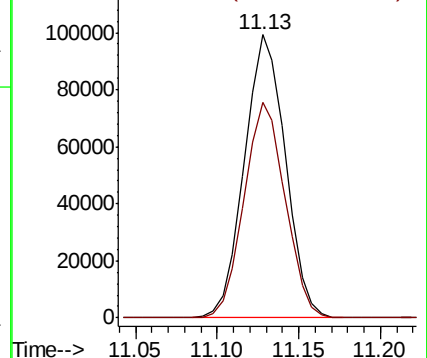
129 100

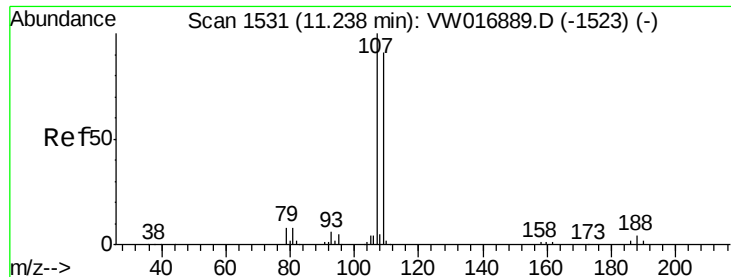
127 76.0 54.0 100.4



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

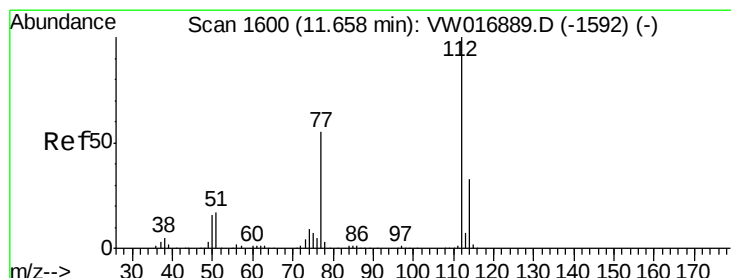
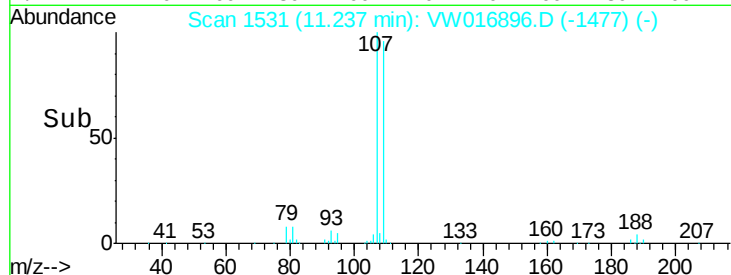
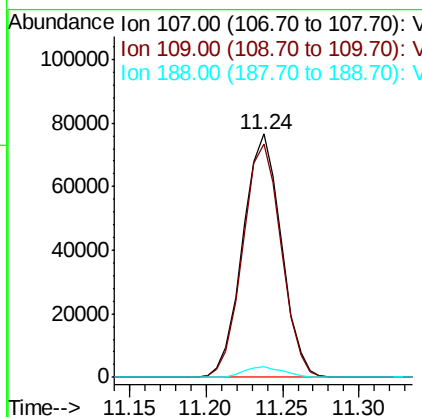
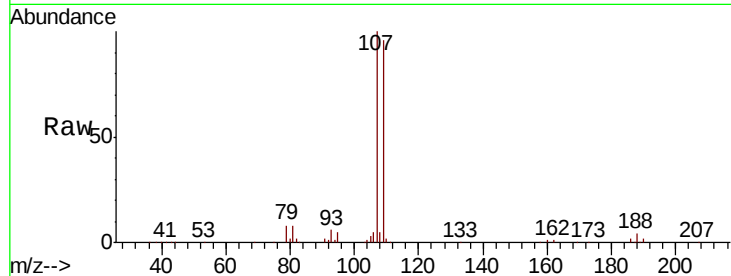




#51
 1,2-Dibromoethane
 Concen: 28.854 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW016896.D
 Acq: 13 Oct 2020 14:49

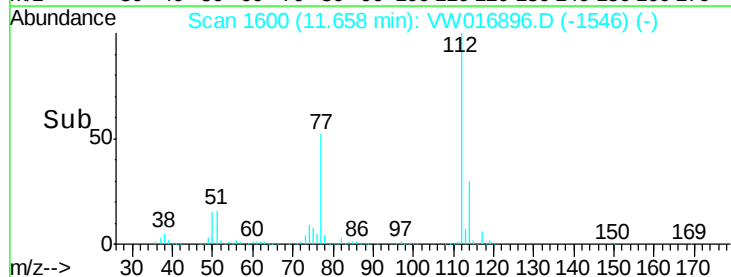
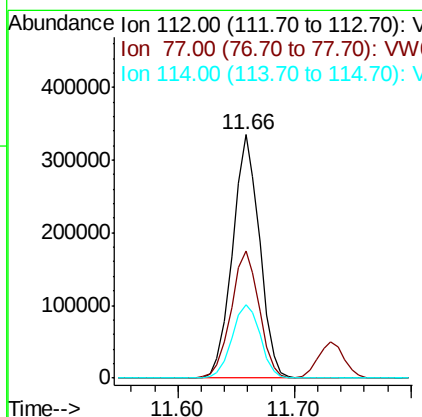
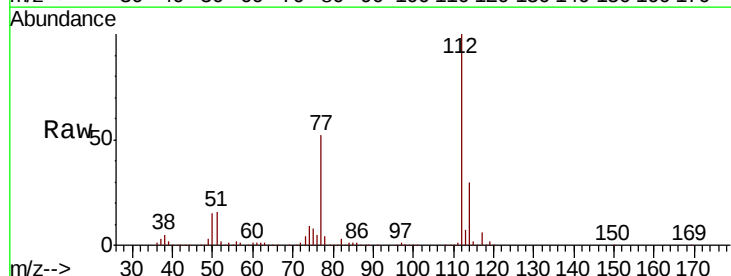
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

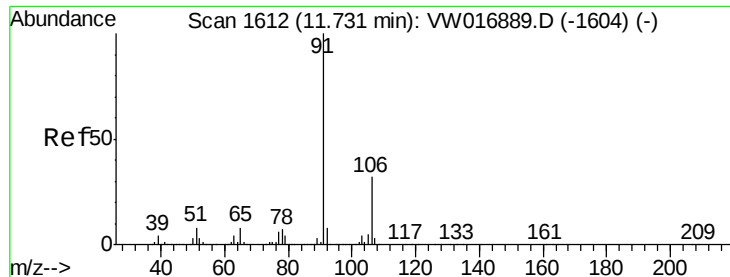
Tot Ion:107 Resp: 134179
 Ion Ratio Lower Upper
 107 100
 109 95.7 68.4 127.0
 188 4.5 3.4 5.0



#52
 Chlorobenzene
 Concen: 28.208 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW016896.D
 Acq: 13 Oct 2020 14:49

Tgt Ion:112 Resp: 540619
 Ion Ratio Lower Upper
 112 100
 77 52.4 44.0 66.0
 114 30.2 22.3 41.3

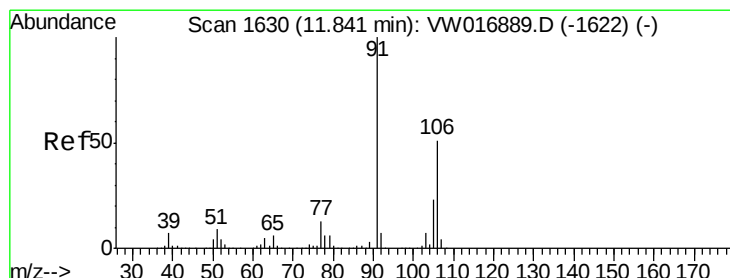
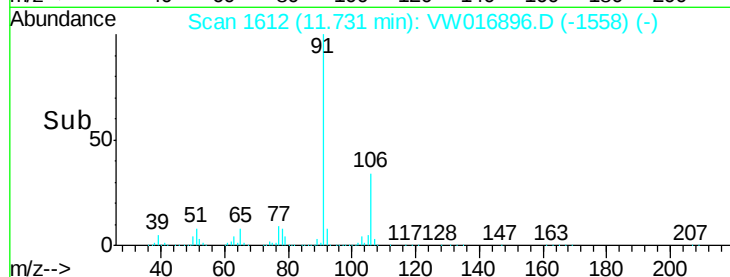
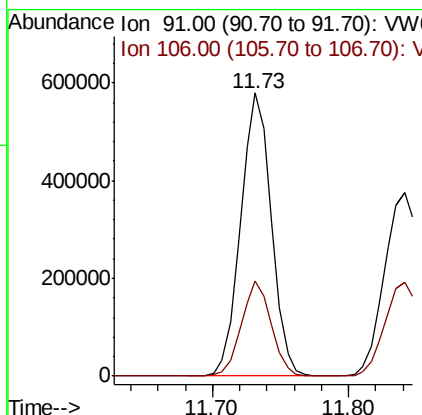
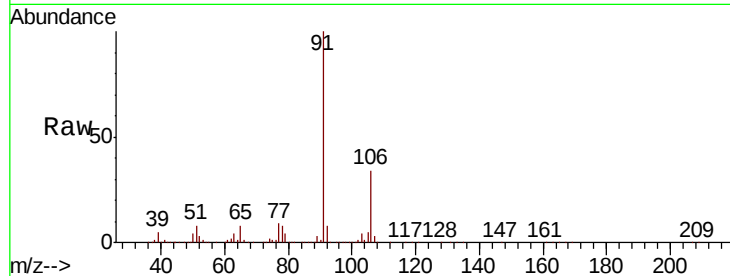




#53
Ethylbenzene
Concen: 28.436 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW016896.D
Acq: 13 Oct 2020 14:49

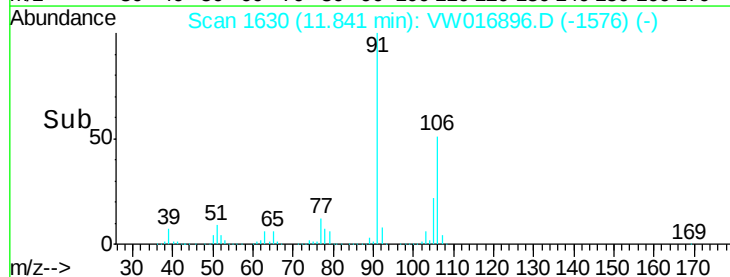
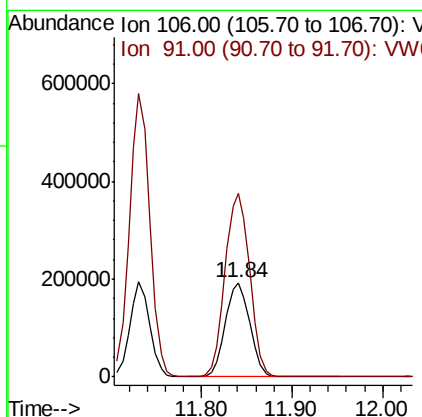
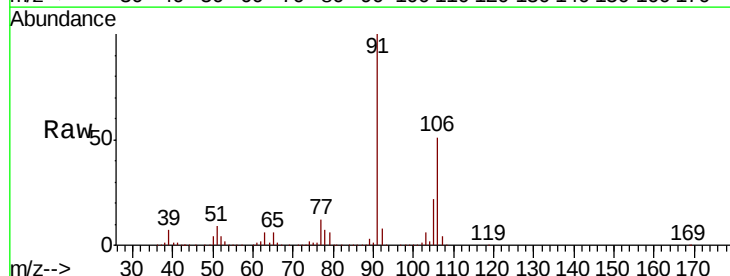
Instrument :
MSVOA_W
ClientSampleId :
VSTD02508

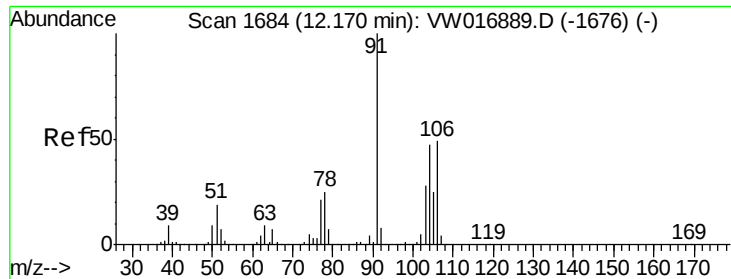
Tot Ion: 91 Resp: 910995
Ion Ratio Lower Upper
91 100
106 33.7 22.8 42.4



#54
m,p-Xylene
Concen: 28.790 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW016896.D
Acq: 13 Oct 2020 14:49

Tgt Ion: 106 Resp: 358715
Ion Ratio Lower Upper
106 100
91 194.9 135.6 251.8

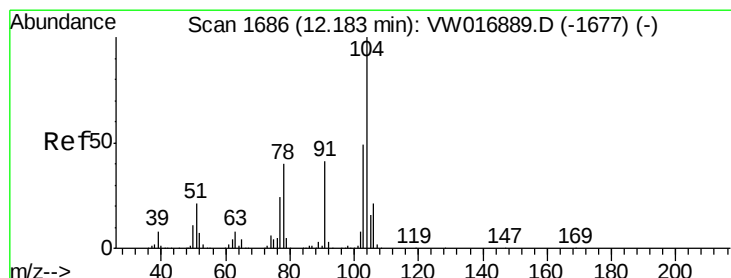
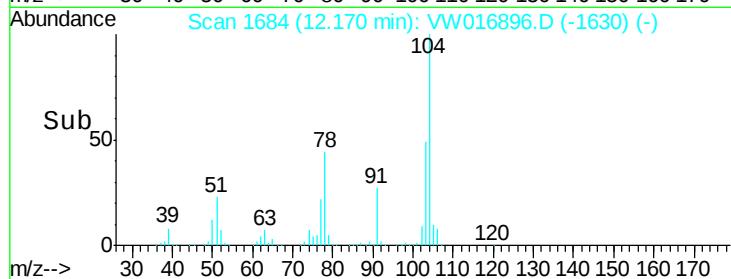
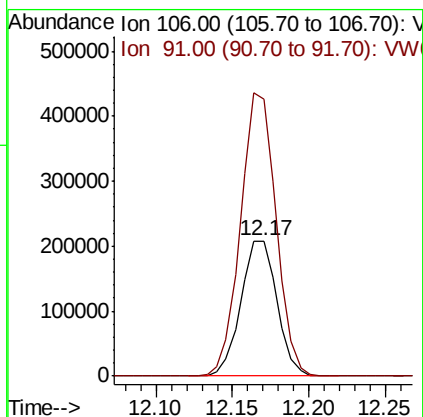
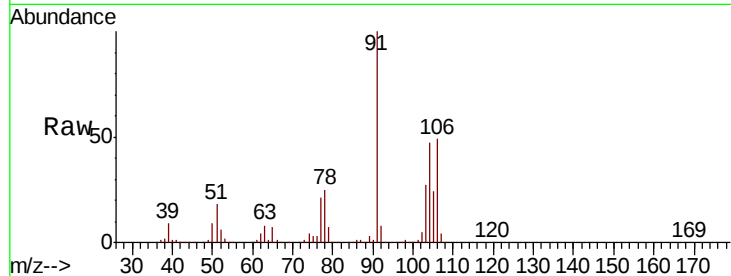




#55
o-xylene
Concen: 28.670 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW016896.D
Acq: 13 Oct 2020 14:49

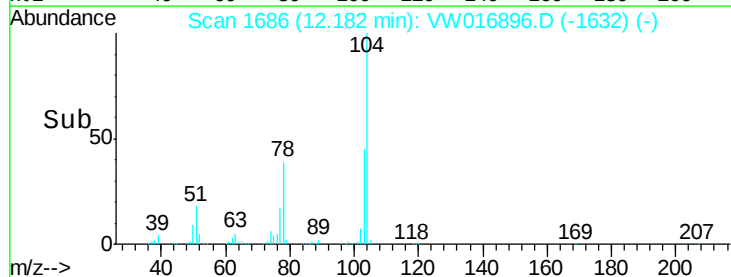
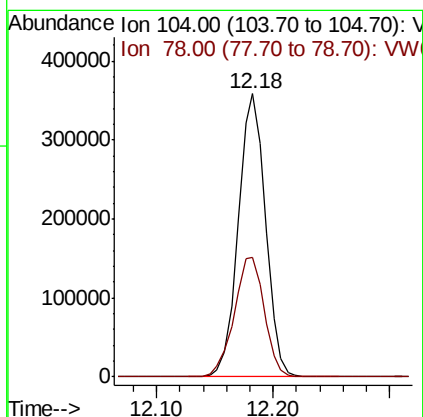
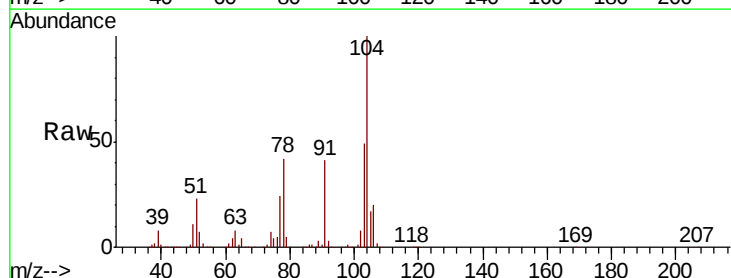
Instrument :
MSVOA_W
ClientSampleId :
VSTD02508

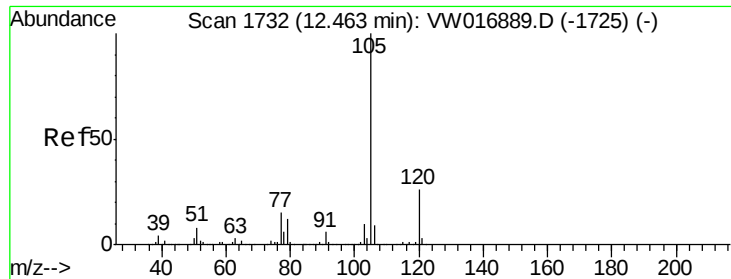
Tot Ion:106 Resp: 341303
Ion Ratio Lower Upper
106 100
91 204.9 142.6 264.8



#56
Styrene
Concen: 29.656 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW016896.D
Acq: 13 Oct 2020 14:49

Tgt Ion:104 Resp: 582571
Ion Ratio Lower Upper
104 100
78 42.3 30.7 57.1





#57

Isopropylbenzene

Concen: 28.749 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW016896.D

Acq: 13 Oct 2020 14:49

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

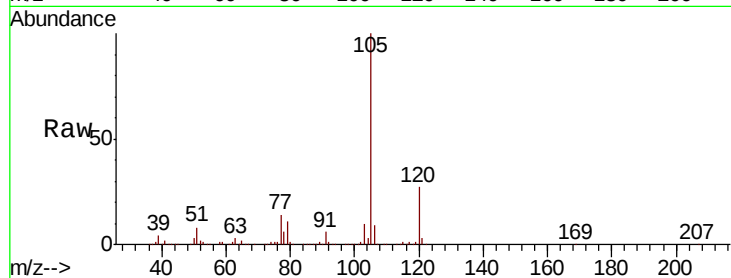
Tot Ion:105 Resp: 937169

Ion Ratio Lower Upper

105 100

120 27.3 21.5 32.3

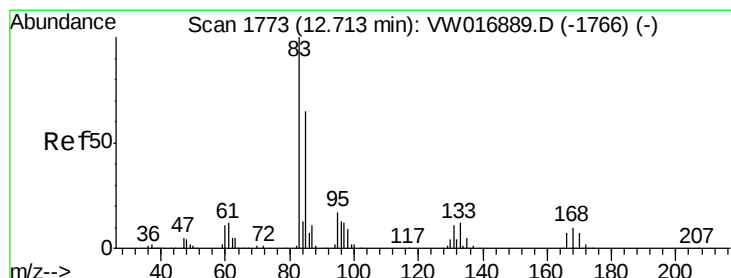
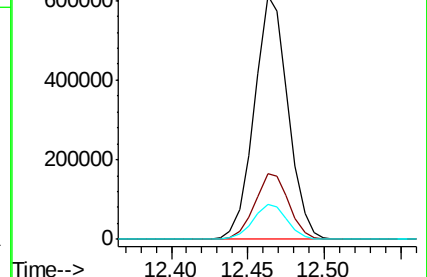
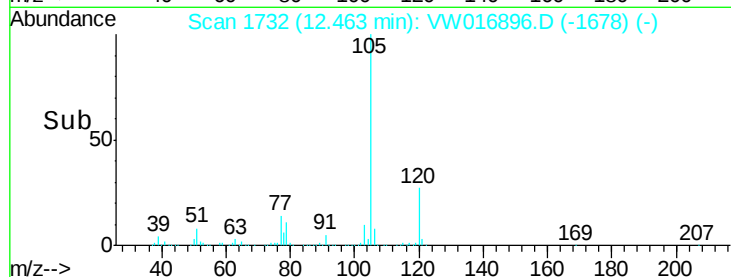
77 14.5 11.4 17.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 29.521 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW016896.D

Acq: 13 Oct 2020 14:49

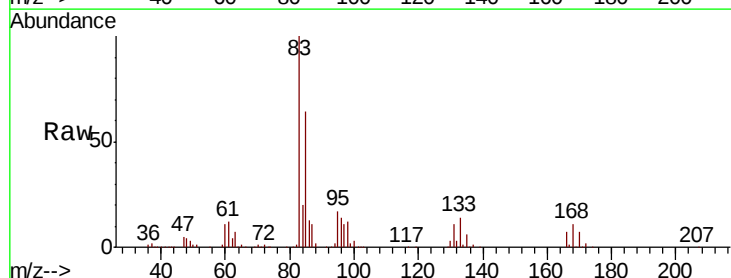
Tgt Ion: 83 Resp: 154385

Ion Ratio Lower Upper

83 100

85 63.5 43.3 80.5

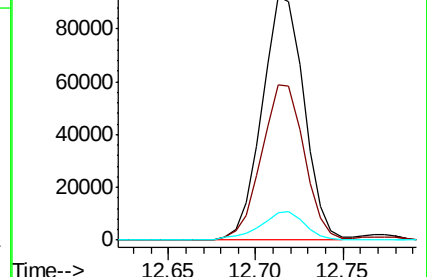
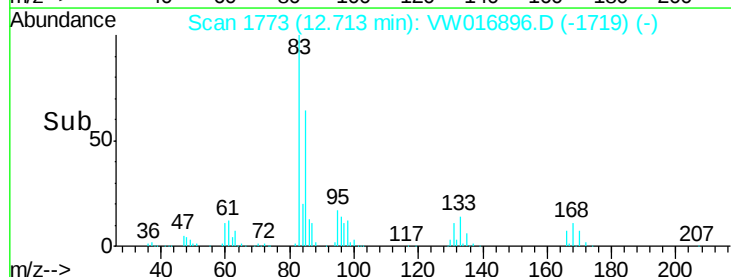
131 11.1 9.0 13.4

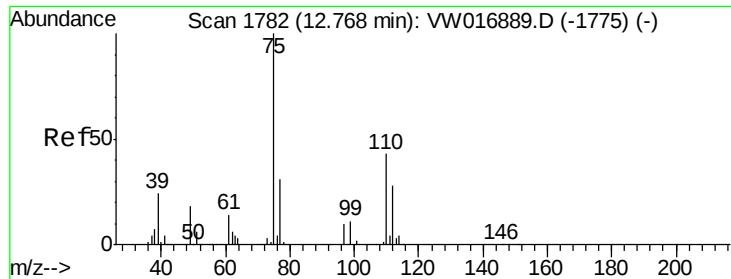


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

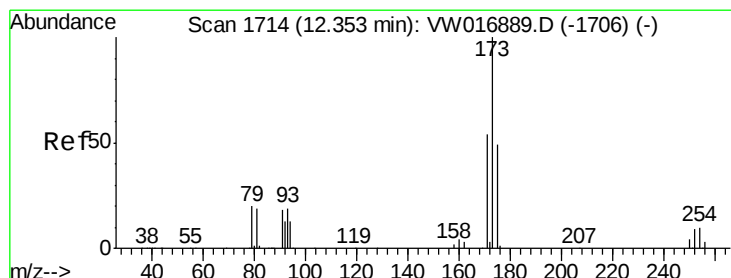
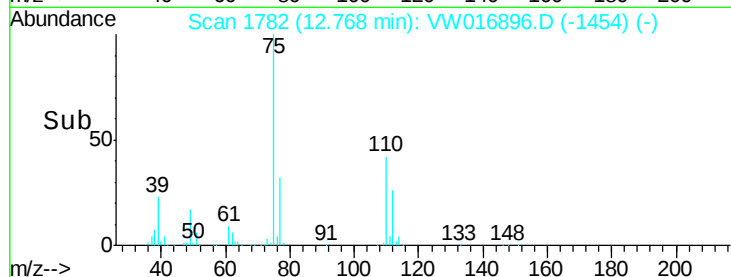
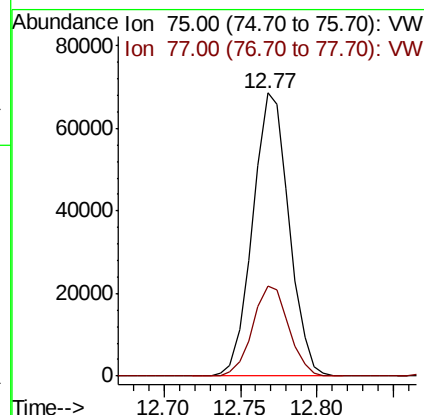
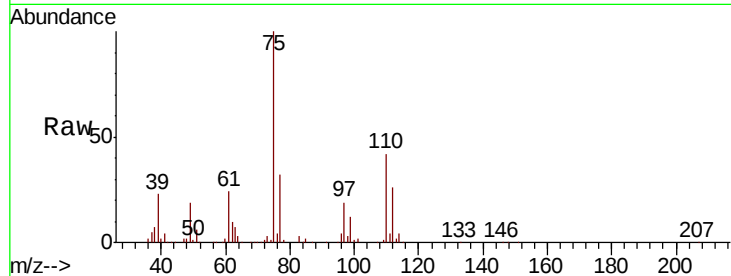




#59
 1,2,3-Trichloropropane
 Concen: 29.860 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW016896.D
 Acq: 13 Oct 2020 14:49

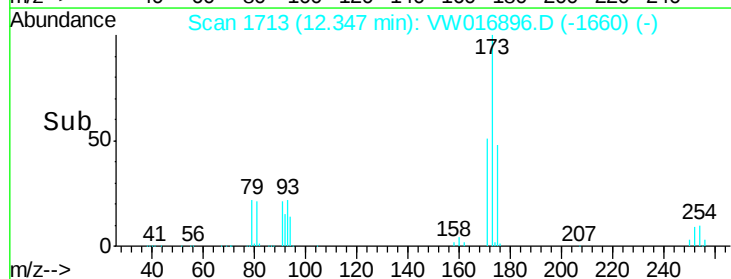
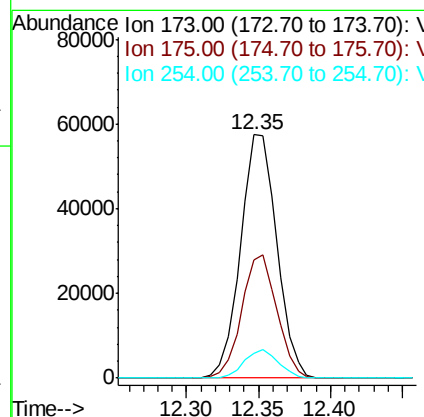
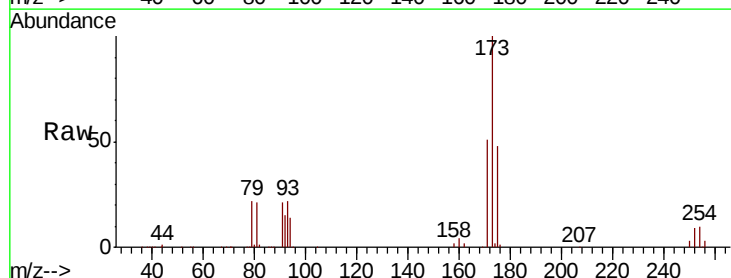
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

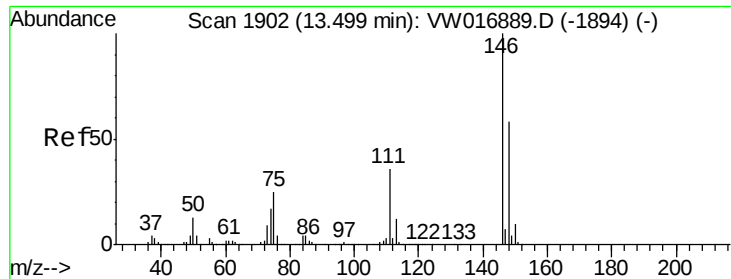
Tot Ion: 75 Resp: 113125
 Ion Ratio Lower Upper
 75 100
 77 31.9 26.2 39.2



#62
 Bromoform
 Concen: 28.245 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.01 min
 Lab File: VW016896.D
 Acq: 13 Oct 2020 14:49

Tgt Ion: 173 Resp: 100532
 Ion Ratio Lower Upper
 173 100
 175 49.2 39.9 59.9
 254 10.9 8.7 13.1

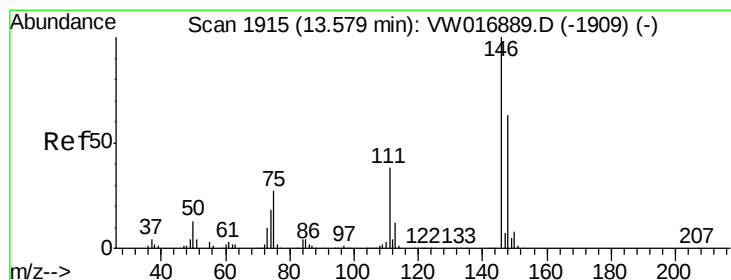
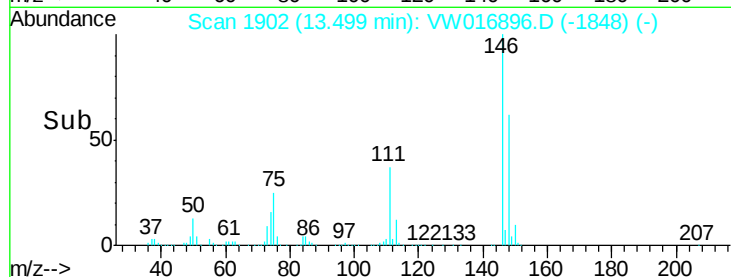
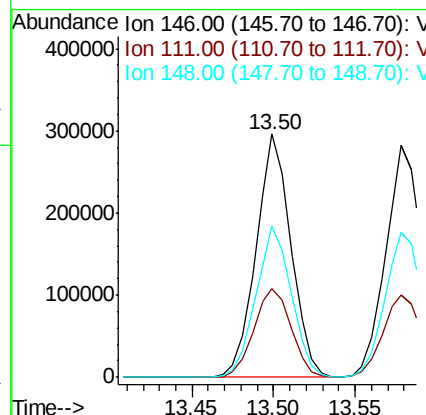
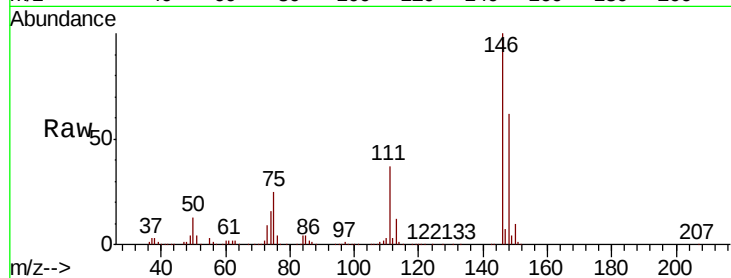




#63
 1,3-Dichlorobenzene
 Concen: 27.348 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW016896.D
 Acq: 13 Oct 2020 14:49

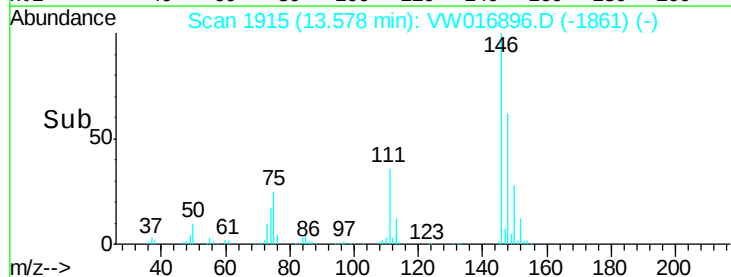
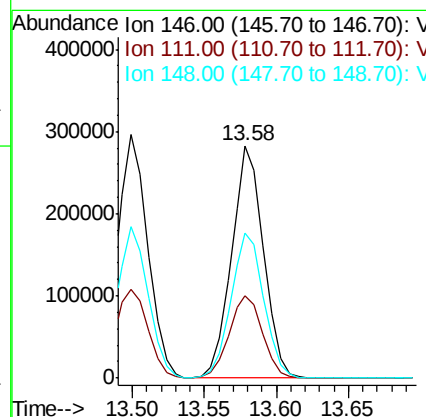
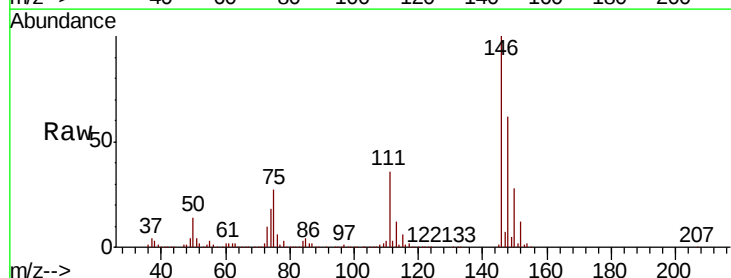
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

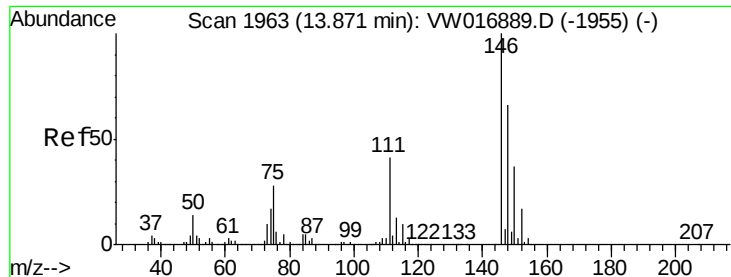
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.5	26.9	49.9
148	62.2	45.7	84.9



#64
 1,4-Dichlorobenzene
 Concen: 27.177 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW016896.D
 Acq: 13 Oct 2020 14:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.7	26.0	48.4
148	62.3	43.9	81.5

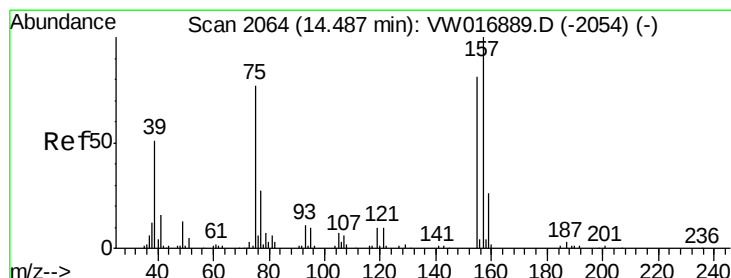
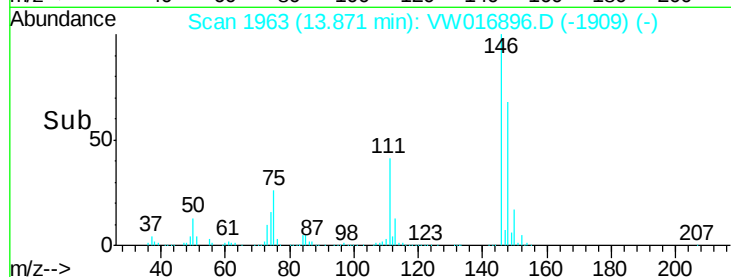
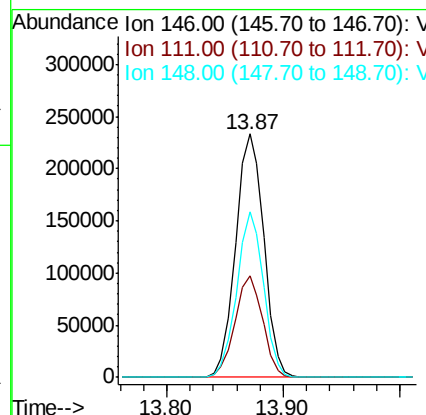
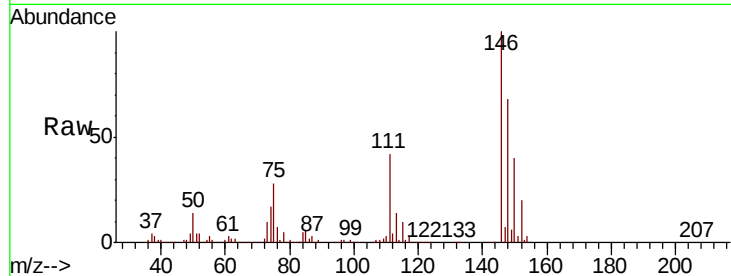




#65
 1,2-Dichlorobenzene
 Concen: 27.204 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW016896.D
 Acq: 13 Oct 2020 14:49

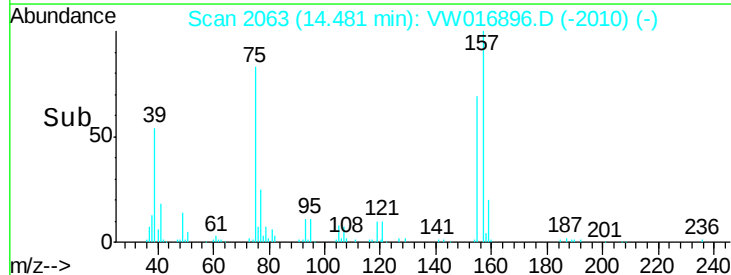
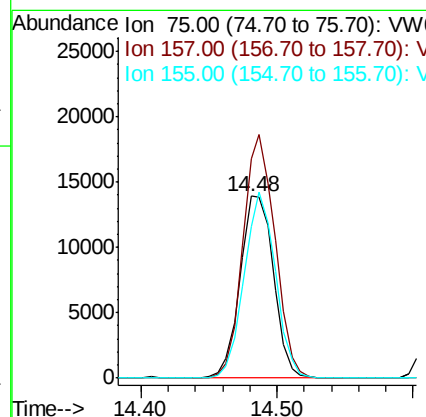
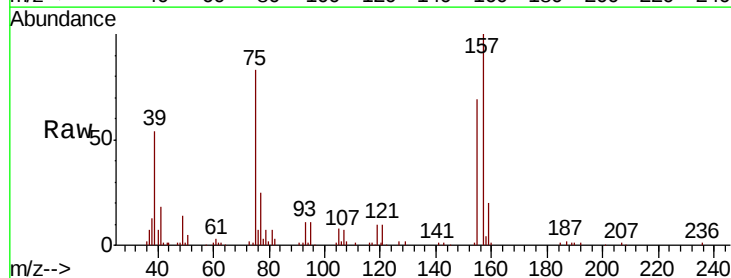
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

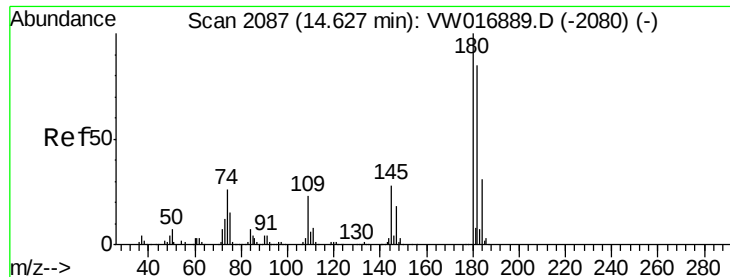
Tot Ion:146 Resp: 392227
 Ion Ratio Lower Upper
 146 100
 111 41.6 32.1 48.1
 148 68.1 51.8 77.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 27.356 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW016896.D
 Acq: 13 Oct 2020 14:49

Tgt Ion: 75 Resp: 23925
 Ion Ratio Lower Upper
 75 100
 157 120.9 100.5 150.7
 155 83.5 74.7 112.1

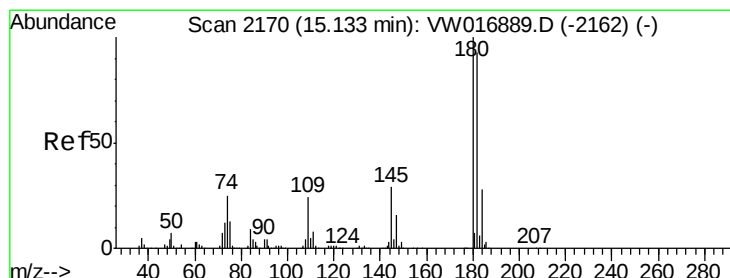
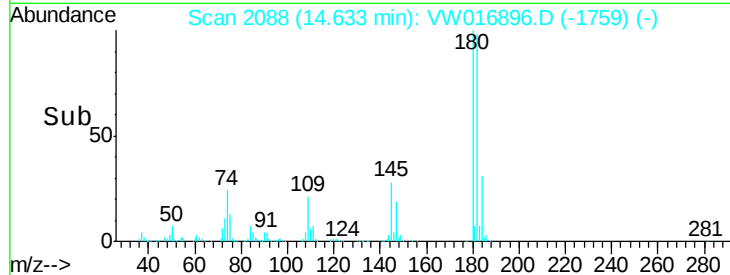
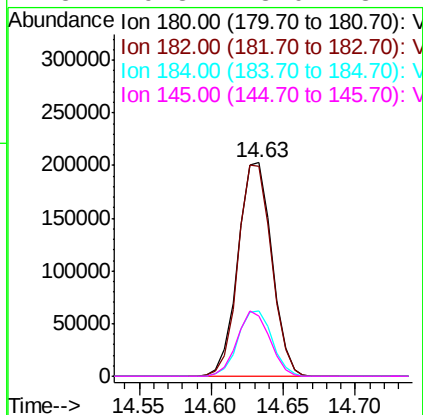
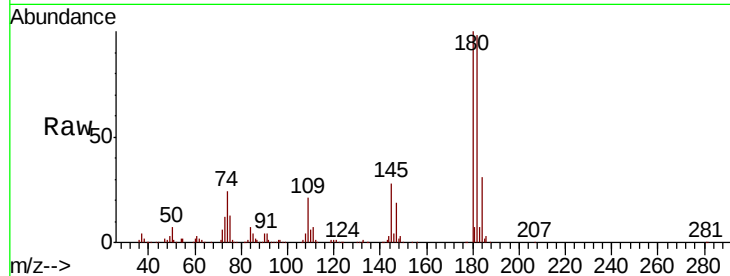




#67
 1,3,5-Trichlorobenzene
 Concen: 27.694 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.01 min
 Lab File: VW016896.D
 Acq: 13 Oct 2020 14:49

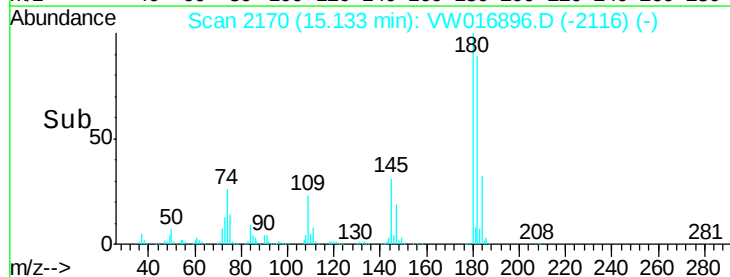
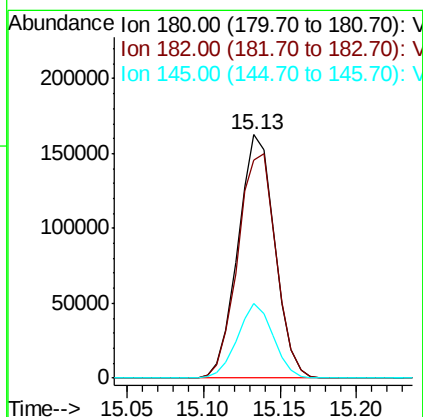
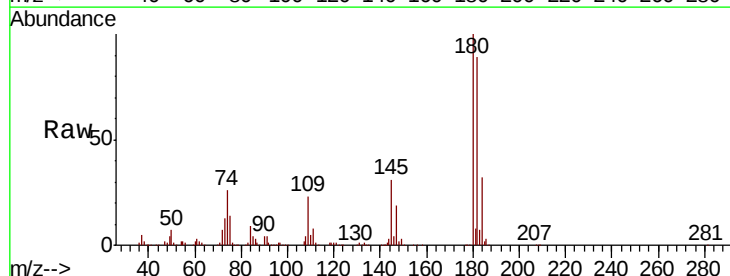
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

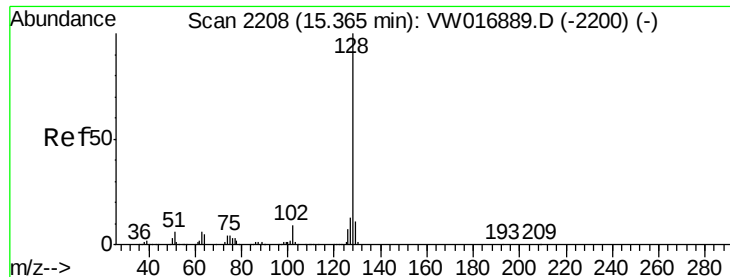
Tot Ion:180	Resp:	331489
Ion	Ratio	Lower Upper
180	100	
182	96.9	79.0 118.6
184	30.9	24.9 37.3
145	29.3	23.0 34.4



#68
 1,2,4-trichlorobenzene
 Concen: 27.668 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW016896.D
 Acq: 13 Oct 2020 14:49

Tgt Ion:180	Resp:	272017
Ion	Ratio	Lower Upper
180	100	
182	95.5	74.2 111.2
145	29.8	23.4 35.0





#69

Naphthalene

Concen: 30.017 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW016896.D

Acq: 13 Oct 2020 14:49

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

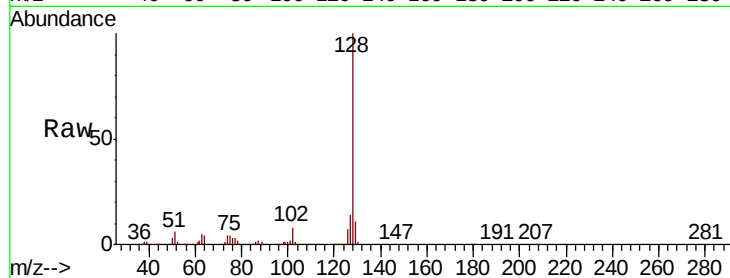
Tot Ion:128 Resp: 488685

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

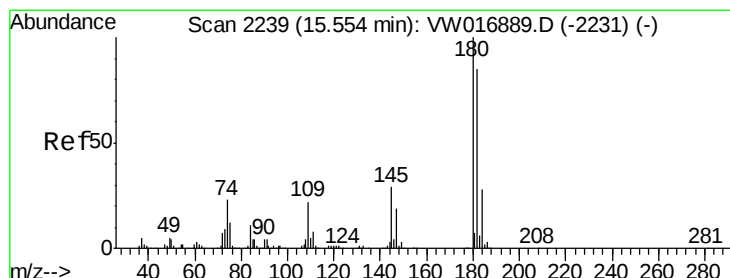
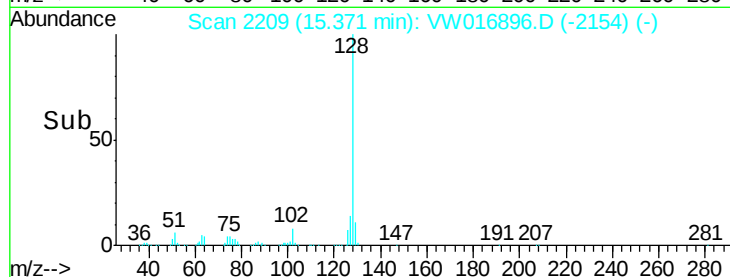
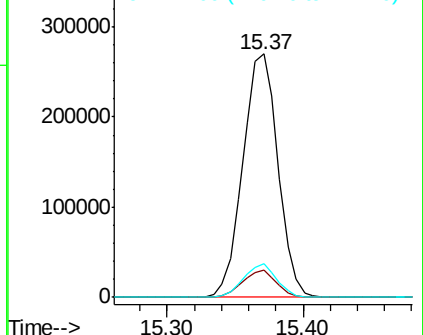
127 12.9 10.1 15.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 28.795 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.01 min

Lab File: VW016896.D

Acq: 13 Oct 2020 14:49

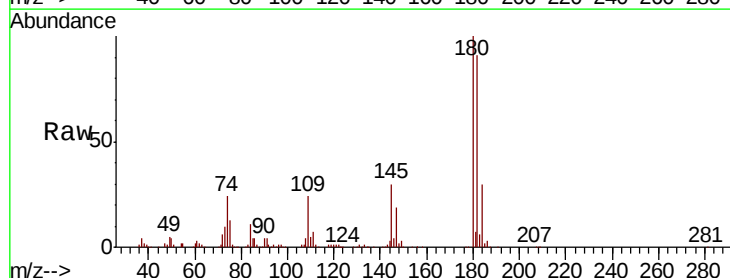
Tgt Ion:180 Resp: 243264

Ion Ratio Lower Upper

180 100

182 92.7 74.1 111.1

145 30.9 24.8 37.2



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

