

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120420\
 Data File : VW017544.D
 Acq On : 04 Dec 2020 09:56
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02528

Quant Time: Dec 05 07:32:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM112420S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 04 06:16:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	419116	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	375889	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	198402	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	135015	24.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.48%
7) Chloroethane-d5	2.90	69	113271	23.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.88%
10) 1,1-Dichloroethene-d2	4.03	63	292155	23.45	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.80%
20) 2-Butanone-d5	7.08	46	60276	49.85	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.70%
24) Chloroform-d	7.65	84	304740	24.99	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.96%
26) 1,2-Dichloroethane-d4	8.31	65	151298	25.03	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.12%
29) Benzene-d6	8.27	84	570073	24.22	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.88%
33) 1,2-Dichloropropane-d6	9.27	67	161166	24.50	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.00%
37) Toluene-d8	10.32	98	523545	24.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.16%
38) trans-1,3-Dichloropropene-	10.58	79	71143	24.36	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.44%
39) 2-Hexanone-d5	10.93	63	39514	47.90	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.80%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	120324	25.09	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.36%
61) 1,2-Dichlorobenzene-d4	13.85	152	178851	23.89	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.56%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	79381	20.172	ug/L	91
3) Chloromethane	2.22	50	90537	22.343	ug/L	98
5) Vinyl chloride	2.37	62	131913	25.614	ug/L	97
6) Bromomethane	2.79	94	86339	23.536	ug/L	98
8) Chloroethane	2.93	64	83026	24.148	ug/L	95
9) Trichlorofluoromethane	3.27	101	130578	22.624	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.08	101	143041	23.831	ug/L #	70
12) 1,1-Dichloroethene	4.04	96	132813	22.735	ug/L	85
13) Acetone	4.13	43	51341	43.620	ug/L	98
14) Carbon disulfide	4.39	76	387473	23.341	ug/L	99
15) Methyl Acetate	4.67	43	45737	22.777	ug/L	98
16) Methylene chloride	4.92	84	139443	22.064	ug/L	96
17) Methyl tert-butyl Ether	5.43	73	153075	23.962	ug/L	99
18) trans-1,2-Dichloroethene	5.43	96	138507	23.133	ug/L	99
19) 1,1-Dichloroethane	6.22	63	242712	23.876	ug/L	98
21) 2-Butanone	7.17	43	65378	46.855	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	145249	23.161	ug/L	98

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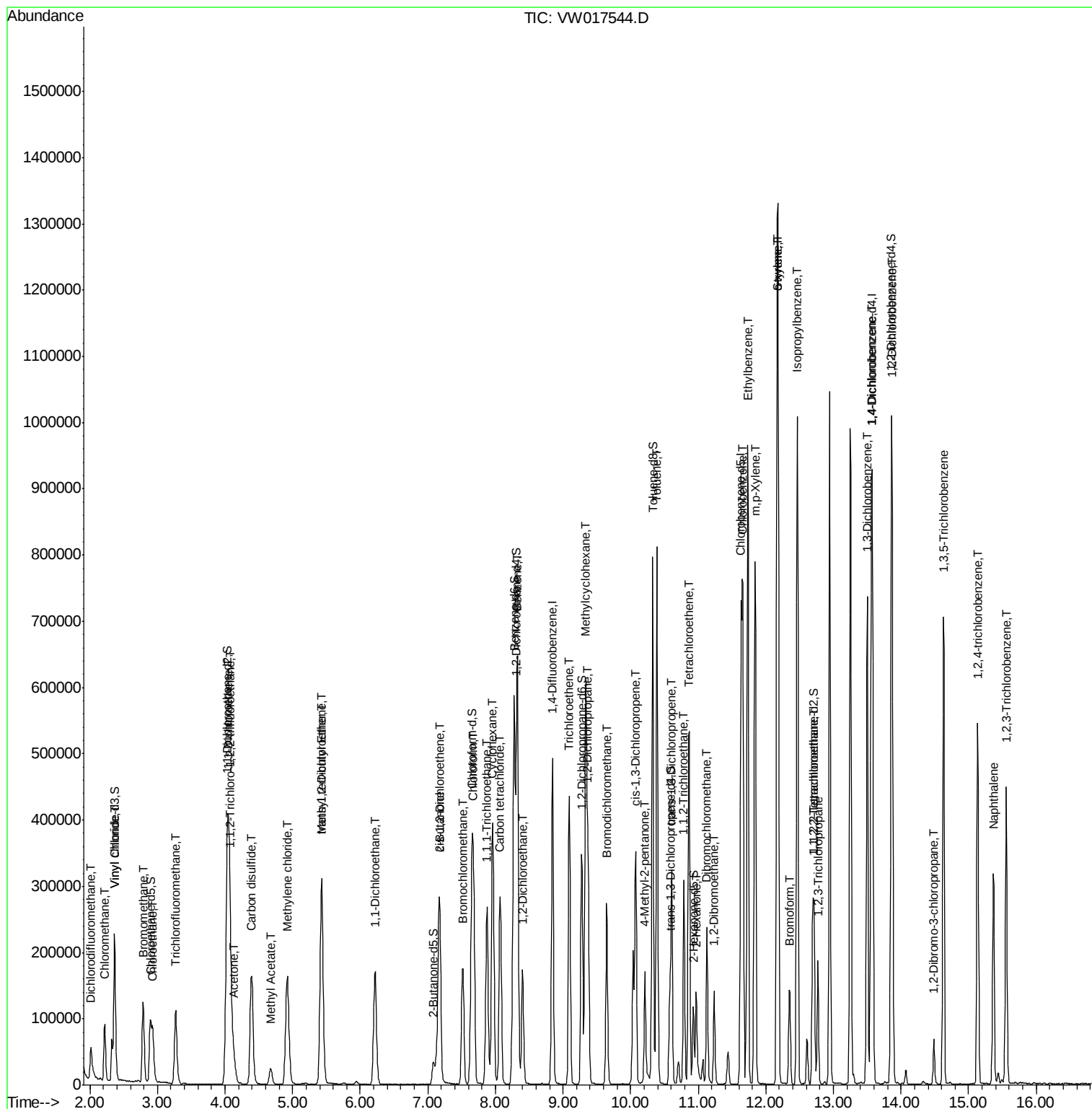
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	64356	22.599	ug/L	96
25) Chloroform	7.68	83	260964	24.317	ug/L	100
27) 1,2-Dichloroethane	8.40	62	157273	24.122	ug/L	97
30) Cyclohexane	7.96	56	216027	23.981	ug/L	97
31) 1,1,1-Trichloroethane	7.88	97	220350	24.418	ug/L	98
32) Carbon tetrachloride	8.07	117	220488	25.195	ug/L	99
34) Benzene	8.32	78	547665	24.102	ug/L	100
35) Trichloroethene	9.09	95	148840	23.550	ug/L	98
36) Methylcyclohexane	9.34	83	244585	23.544	ug/L	99
40) 1,2-Dichloropropane	9.37	63	131474	24.525	ug/L	99
41) Bromodichloromethane	9.65	83	180529	24.354	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	204893	24.576	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	121837	48.568	ug/L	95
44) Toluene	10.39	91	592108	24.176	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	178322	24.851	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	96142	23.766	ug/L	98
47) Tetrachloroethene	10.87	164	119654	22.358	ug/L	96
49) 2-Hexanone	10.97	43	87282	47.715	ug/L	91
50) Dibromochloromethane	11.13	129	121590	24.249	ug/L	98
51) 1,2-Dibromoethane	11.24	107	91699	23.709	ug/L	99
52) Chlorobenzene	11.66	112	376625	23.539	ug/L	96
53) Ethylbenzene	11.73	91	671932	24.245	ug/L	99
54) m,p-Xylene	11.84	106	253913	24.036	ug/L	89
55) o-xylene	12.16	106	238669	24.267	ug/L	100
56) Styrene	12.18	104	410329	24.774	ug/L	99
57) Isopropylbenzene	12.46	105	663631	24.555	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	105741	24.138	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	76123	23.537	ug/L	98
62) Bromoform	12.35	173	66233	23.076	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	297315	23.304	ug/L	95
64) 1,4-Dichlorobenzene	13.58	146	295699	23.182	ug/L	95
65) 1,2-Dichlorobenzene	13.87	146	262990	23.683	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	16685	22.686	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	213431	23.387	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	171624	23.122	ug/L	93
69) Naphthalene	15.36	128	273246	23.474	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	150455	24.215	ug/L	99

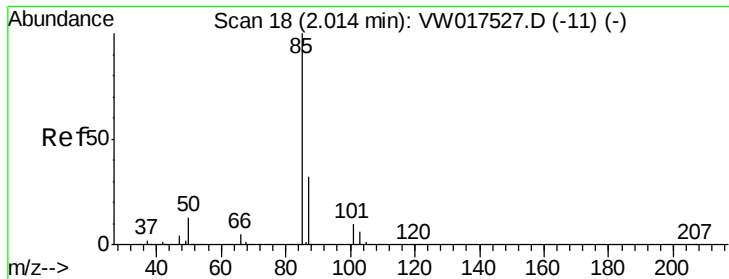
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 20.172 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.01 min

Lab File: VW017544.D

Acq: 04 Dec 2020 09:56

Instrument :

MSVOA_W

ClientSampleId :

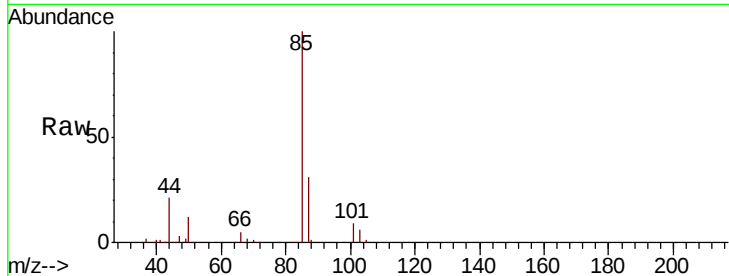
VSTD02528

Tot Ion: 85 Resp: 79381

Ion Ratio Lower Upper

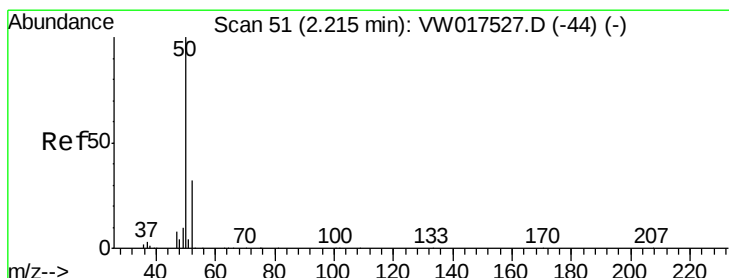
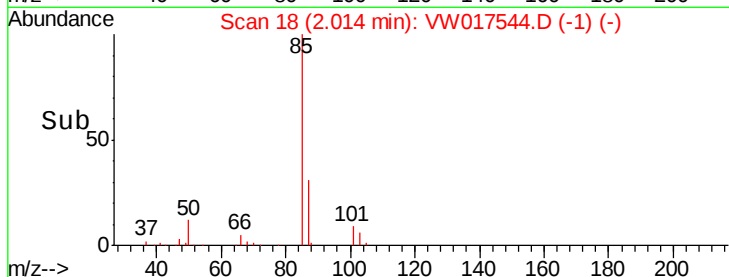
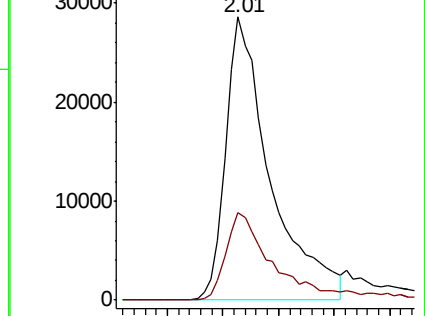
85 100

87 28.1 23.2 43.0



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 22.343 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.00 min

Lab File: VW017544.D

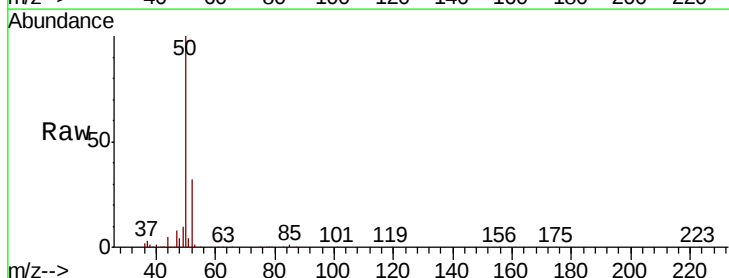
Acq: 04 Dec 2020 09:56

Tgt Ion: 50 Resp: 90537

Ion Ratio Lower Upper

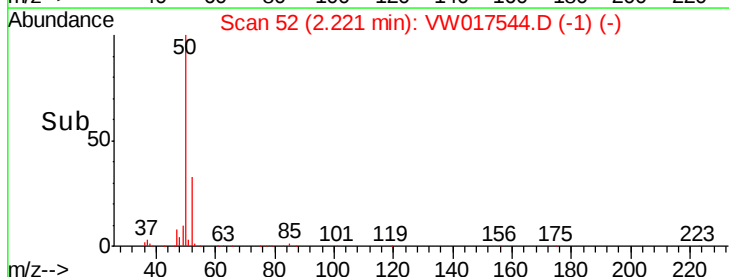
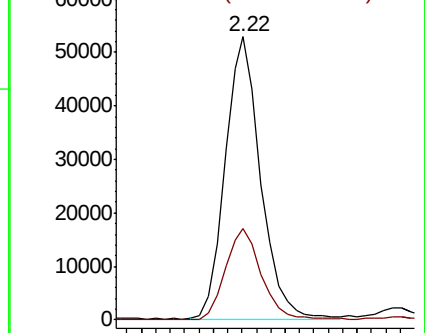
50 100

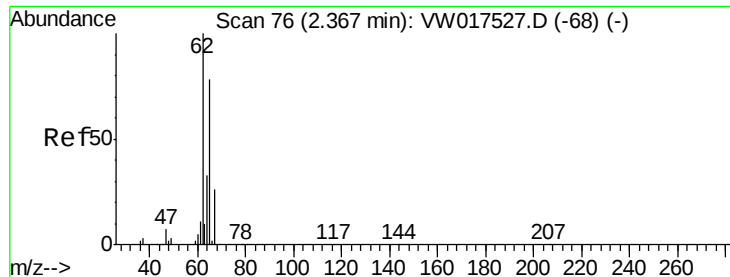
52 32.5 23.4 43.6



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 25.614 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW017544.D

Acq: 04 Dec 2020 09:56

Instrument :

MSVOA_W

ClientSampleId :

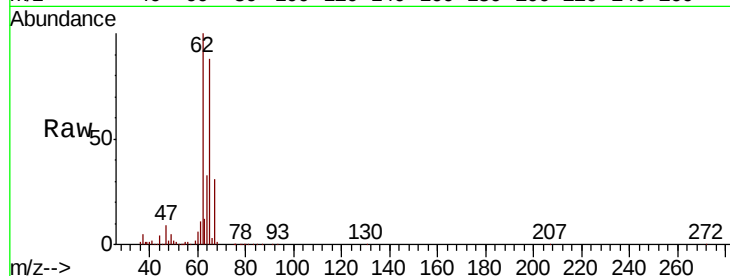
VSTD02528

Tot Ion: 62 Resp: 131913

Ion Ratio Lower Upper

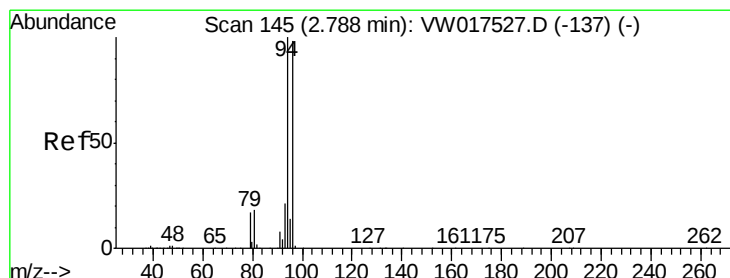
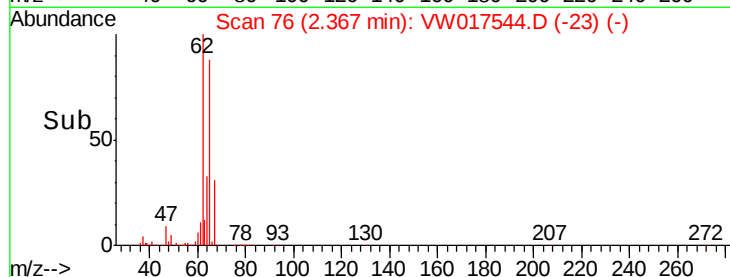
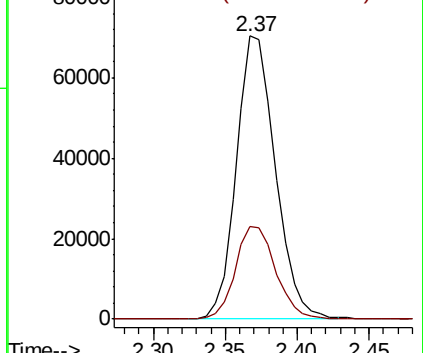
62 100

64 32.8 23.9 44.5



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#6

Bromomethane

Concen: 23.536 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW017544.D

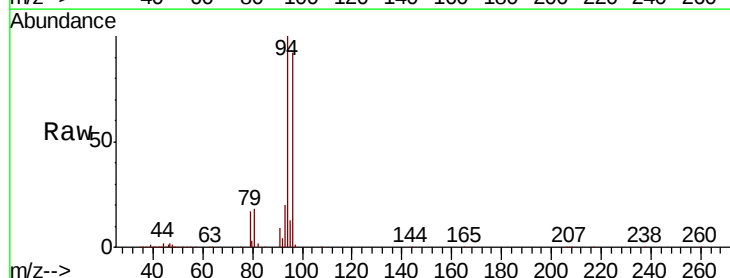
Acq: 04 Dec 2020 09:56

Tgt Ion: 94 Resp: 86339

Ion Ratio Lower Upper

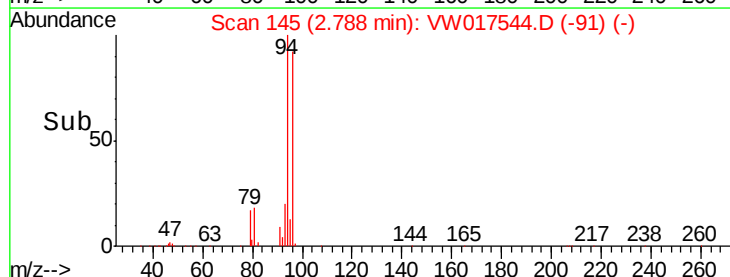
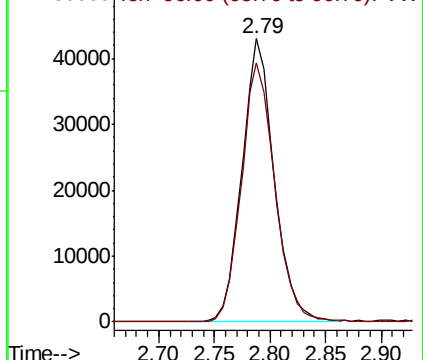
94 100

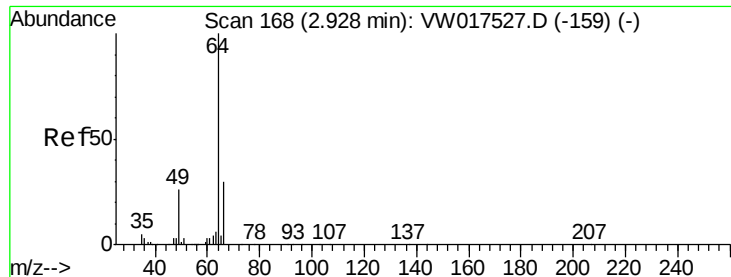
96 95.2 9.4 178.0



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW





#8

Chloroethane

Concen: 24.148 ug/L

RT: 2.93 min Scan# 169

Delta R.T. 0.00 min

Lab File: VW017544.D

Acq: 04 Dec 2020 09:56

Instrument :

MSVOA_W

ClientSampleId :

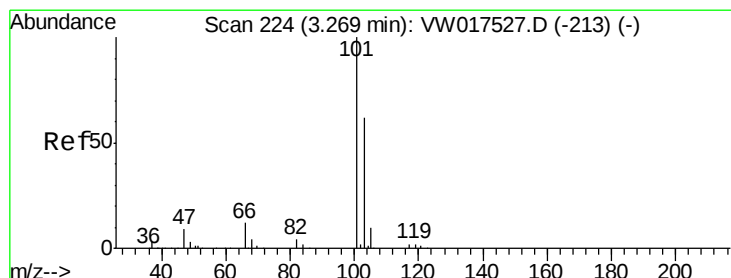
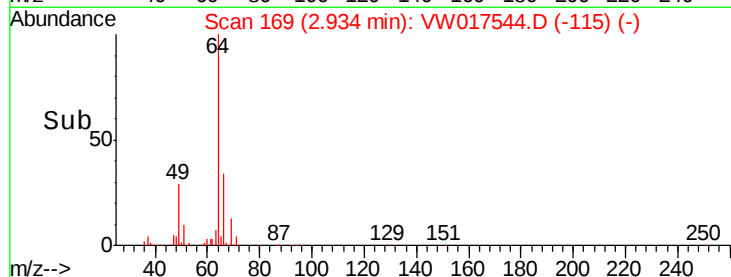
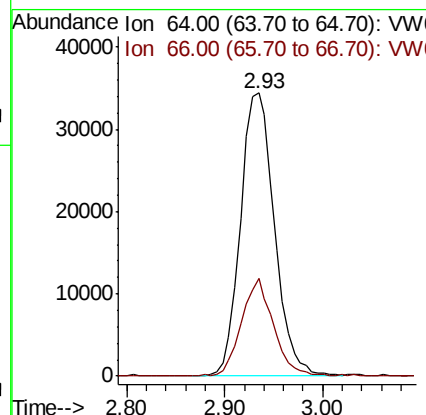
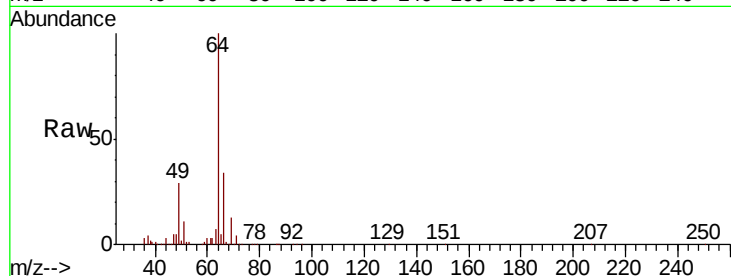
VSTD02528

Tot Ion: 64 Resp: 83026

Ion Ratio Lower Upper

64 100

66 34.5 22.0 41.0



#9

Trichlorofluoromethane

Concen: 22.624 ug/L

RT: 3.27 min Scan# 224

Delta R.T. 0.00 min

Lab File: VW017544.D

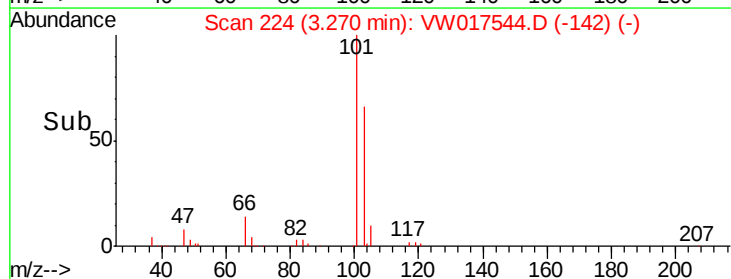
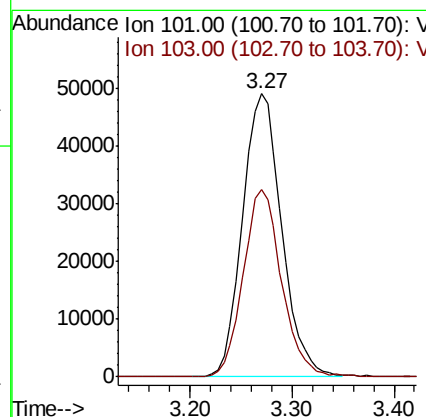
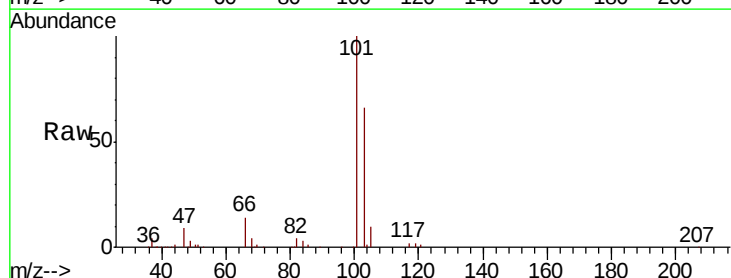
Acq: 04 Dec 2020 09:56

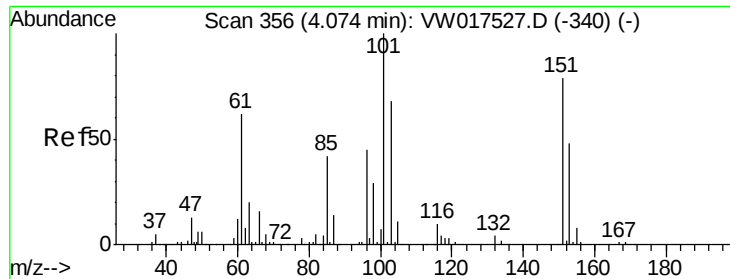
Tgt Ion: 101 Resp: 130578

Ion Ratio Lower Upper

101 100

103 64.7 45.0 83.6





#11

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

Concen: 23.831 ug/L

RT: 4.08 min Scan# 357

Delta R.T. 0.01 min

Lab File: VW017544.D

Acq: 04 Dec 2020 09:56

Instrument :

MSVOA_W

ClientSampled :

VSTD02528

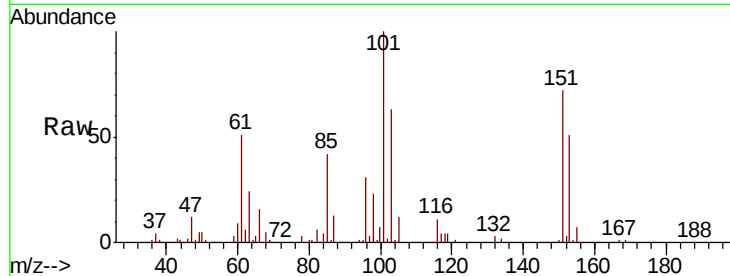
Tot Ion:101 Resp: 143041

Ion Ratio Lower Upper

101 100

85 42.8 34.2 51.4

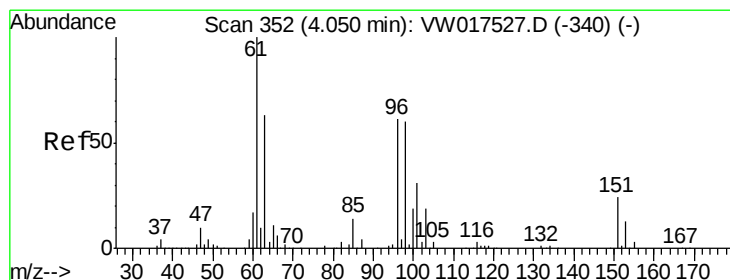
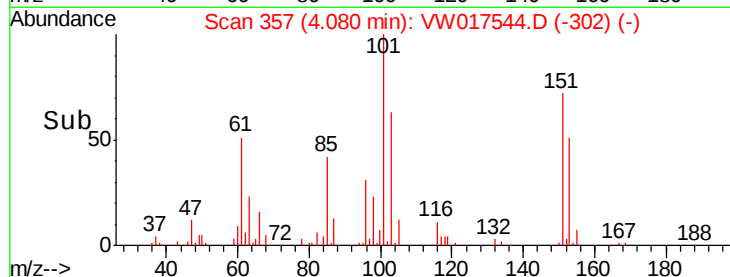
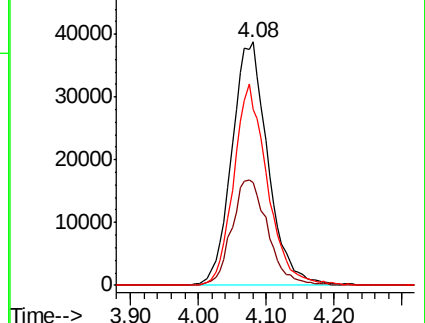
151 76.5 30.4 45.6#



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: 22.735 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.01 min

Lab File: VW017544.D

Acq: 04 Dec 2020 09:56

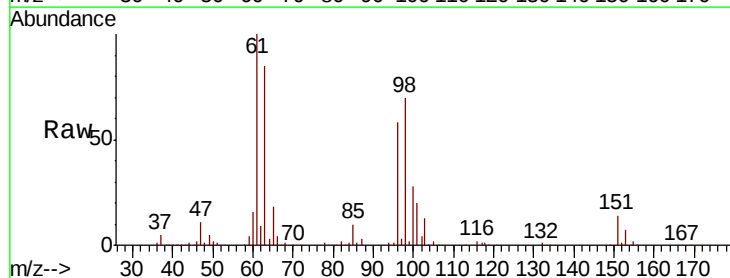
Tgt Ion: 96 Resp: 132813

Ion Ratio Lower Upper

96 100

61 171.8 112.5 208.9

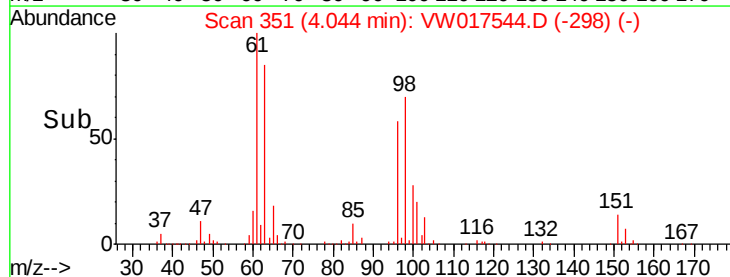
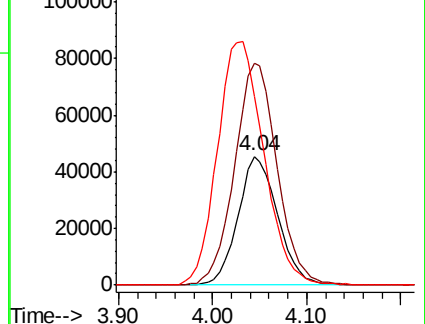
63 145.9 83.1 154.3

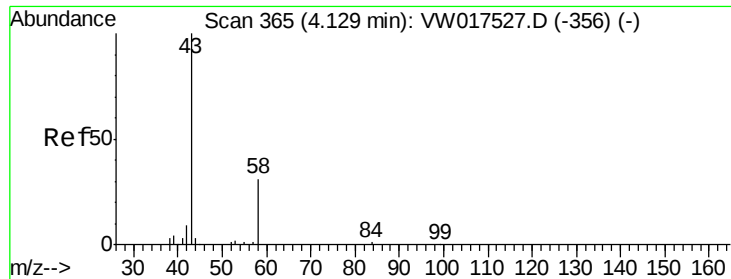


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 43.620 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW017544.D

Acq: 04 Dec 2020 09:56

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ClientSampleId :

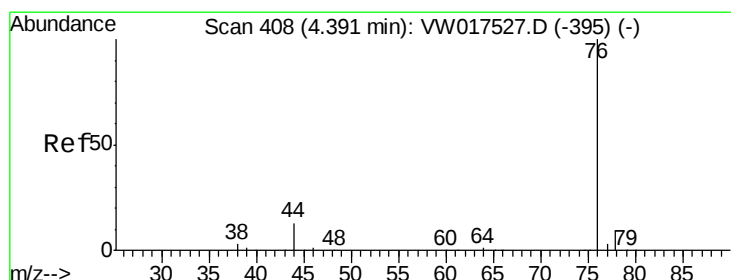
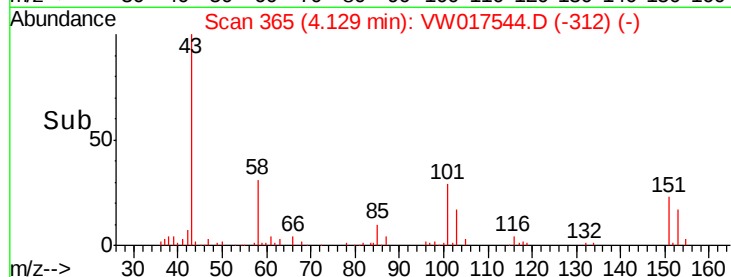
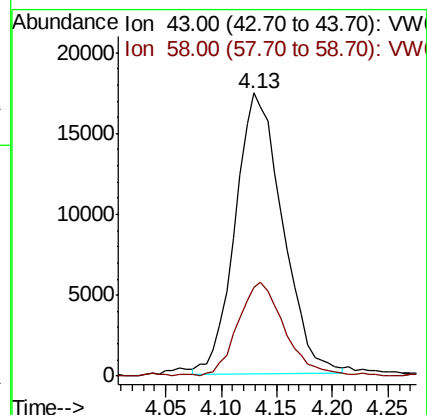
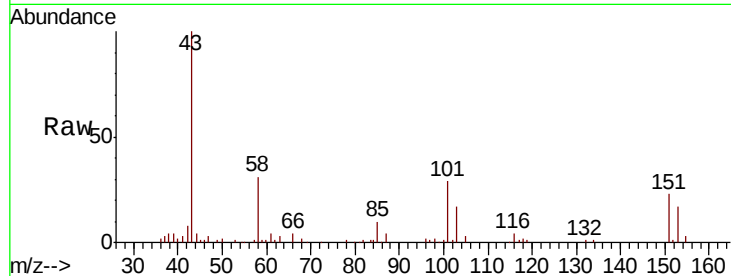
VSTD02528

Tot Ion: 43 Resp: 51341

Ion Ratio Lower Upper

43 100

58 33.1 0.0 68.4



#14

Carbon disulfide

Concen: 23.341 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.00 min

Lab File: VW017544.D

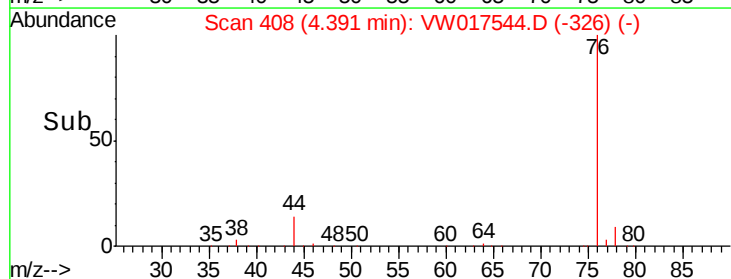
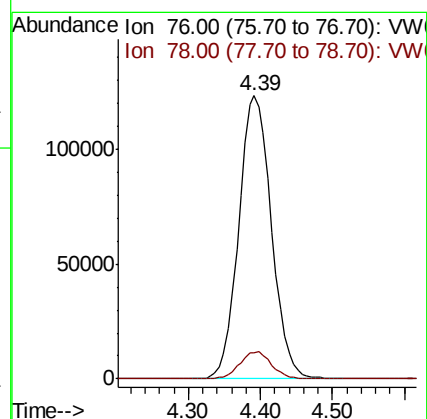
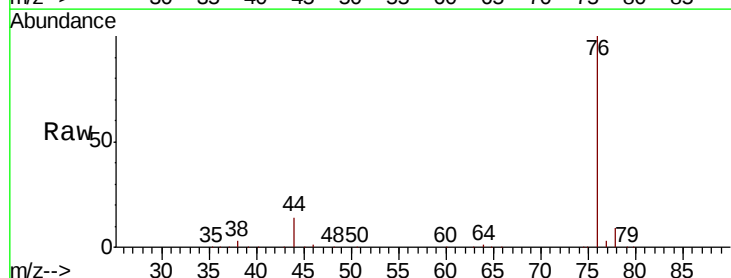
Acq: 04 Dec 2020 09:56

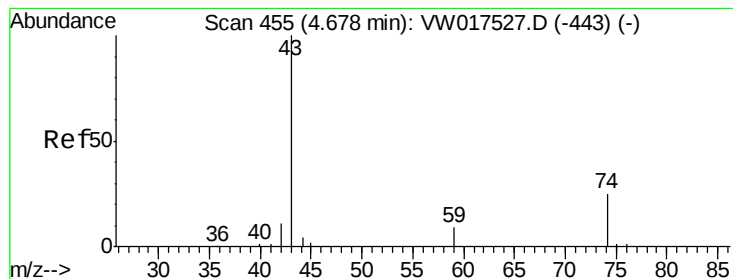
Tgt Ion: 76 Resp: 387473

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.4





#15

Methvl Acetate

Concen: 22.777 ug/L

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW017544.D

Acq: 04 Dec 2020 09:56

Instrument :

MSVOA_W

ClientSampleId :

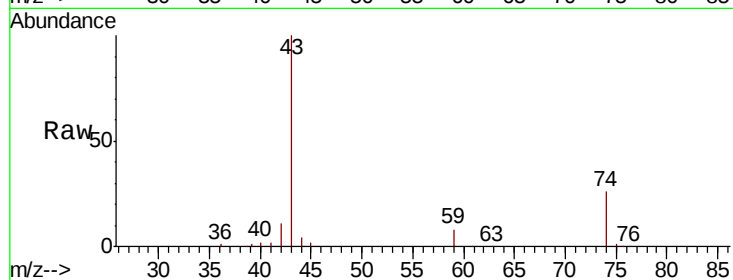
VSTD02528

Tot Ion: 43 Resp: 45737

Ion Ratio Lower Upper

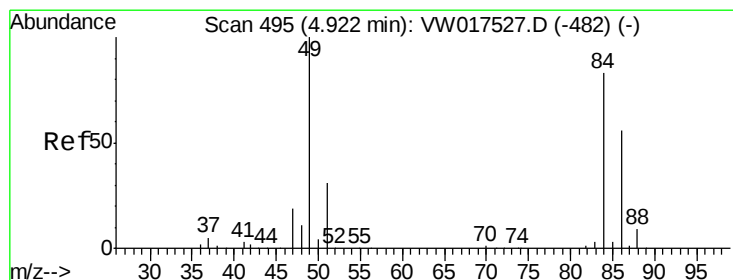
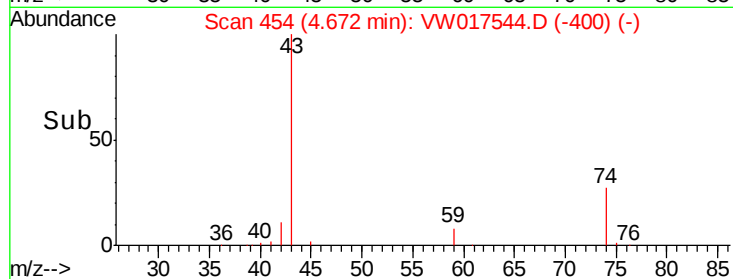
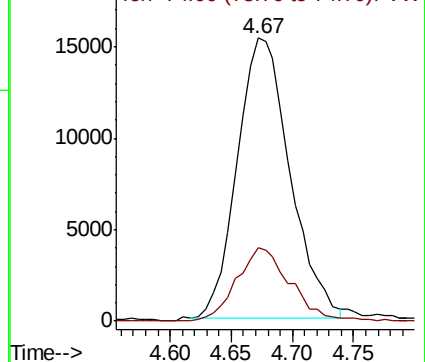
43 100

74 26.7 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 22.064 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW017544.D

Acq: 04 Dec 2020 09:56

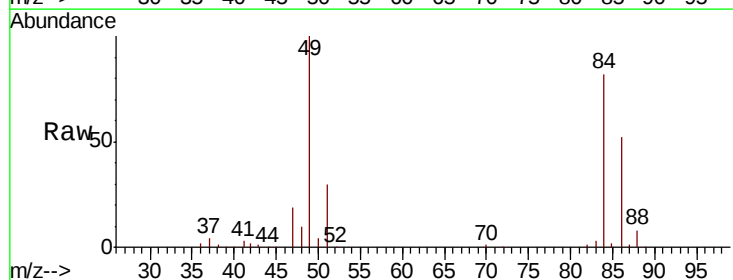
Tgt Ion: 84 Resp: 139443

Ion Ratio Lower Upper

84 100

49 122.4 81.2 150.8

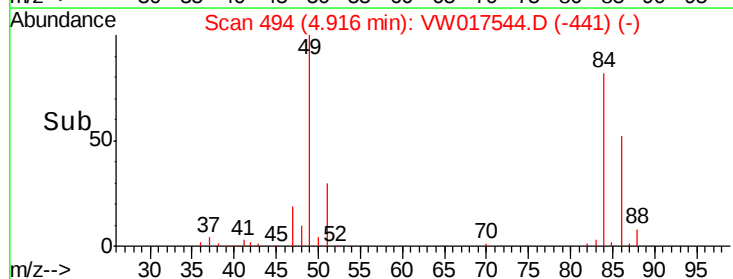
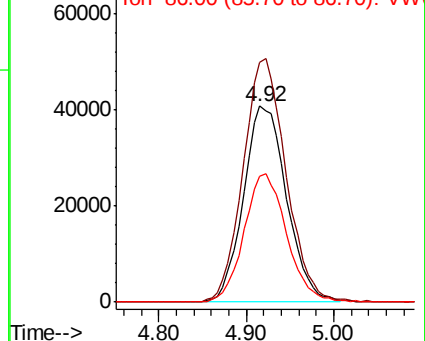
86 64.2 44.5 82.7

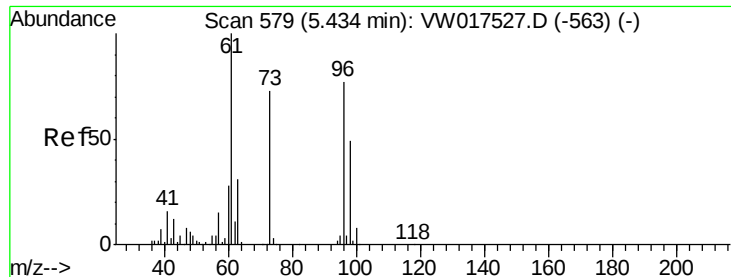


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

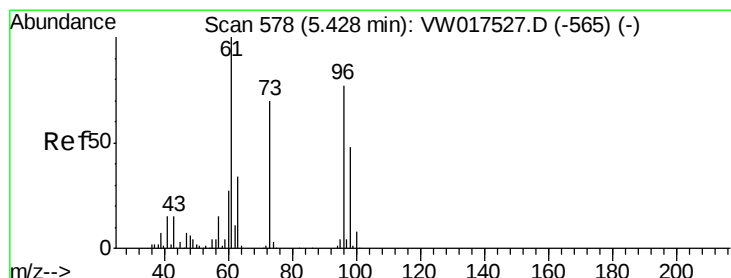
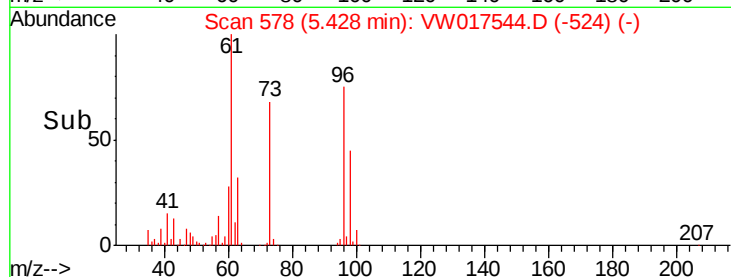
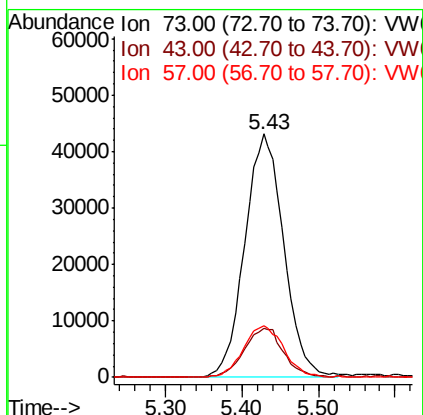
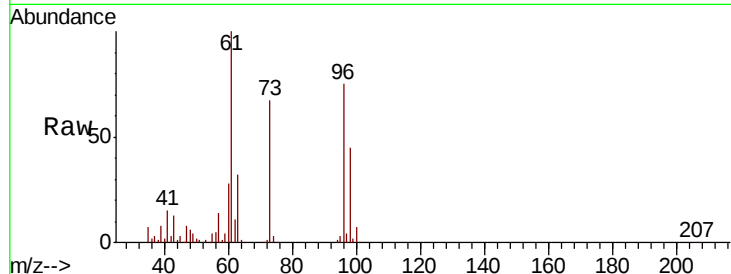




#17
Methvl tert-butvl Ether
Concen: 23.962 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW017544.D
Acq: 04 Dec 2020 09:56

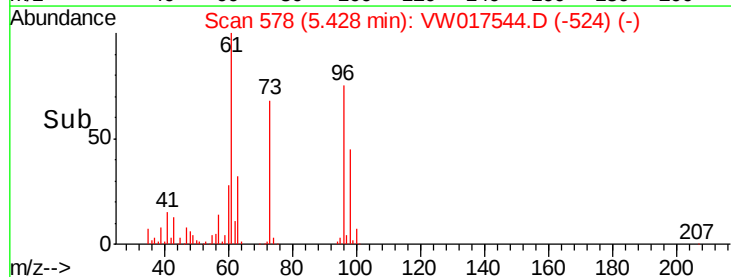
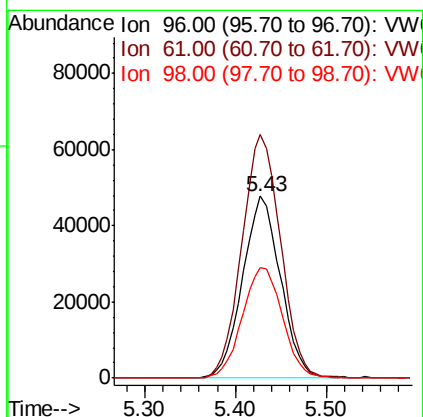
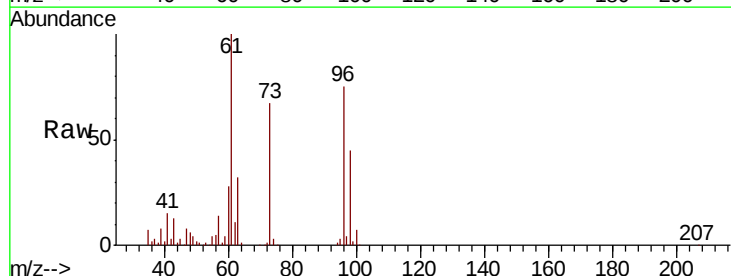
Instrument :
MSVOA_W
ClientSampleId :
VSTD02528

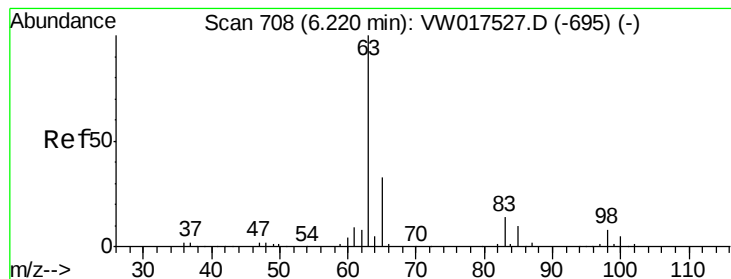
Tot Ion: 73 Resp: 153075
Ion Ratio Lower Upper
73 100
43 20.1 16.2 24.4
57 21.8 17.2 25.8



#18
trans-1,2-Dichloroethene
Concen: 23.133 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW017544.D
Acq: 04 Dec 2020 09:56

Tgt Ion: 96 Resp: 138507
Ion Ratio Lower Upper
96 100
61 134.0 92.7 172.1
98 60.8 43.3 80.3





#19

1,1-Dichloroethane

Concen: 23.876 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW017544.D

Acq: 04 Dec 2020 09:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD02528

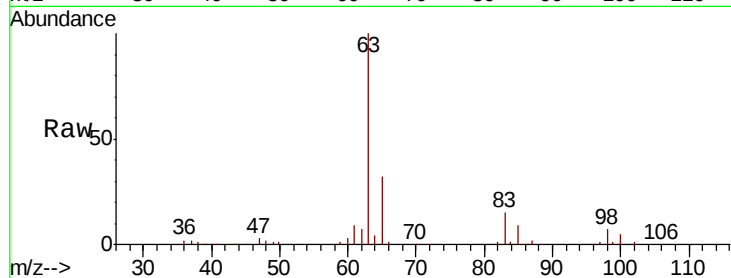
Tot Ion: 63 Resp: 242712

Ion Ratio Lower Upper

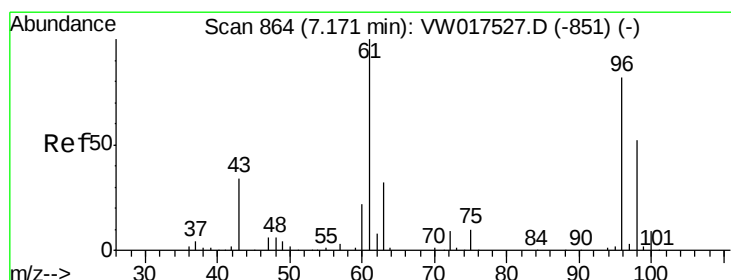
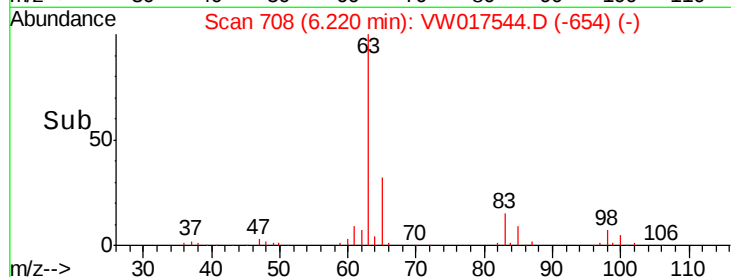
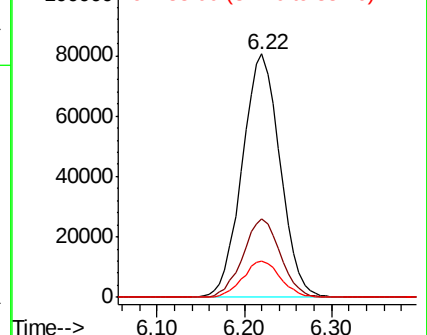
63 100

65 32.5 21.9 40.7

83 14.8 9.4 17.6



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: 46.855 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW017544.D

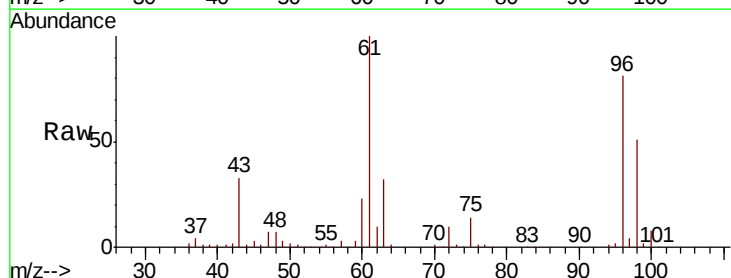
Acq: 04 Dec 2020 09:56

Tgt Ion: 43 Resp: 65378

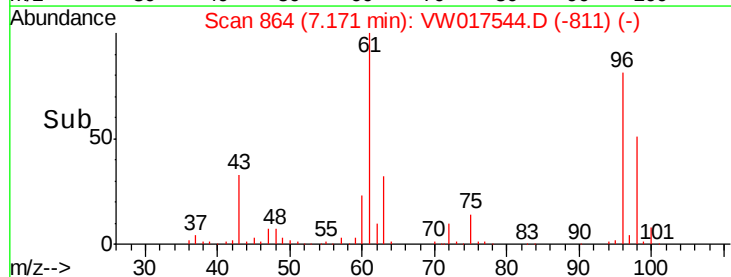
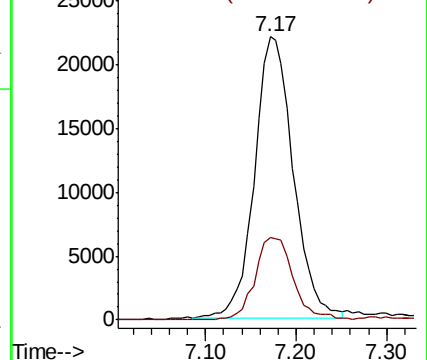
Ion Ratio Lower Upper

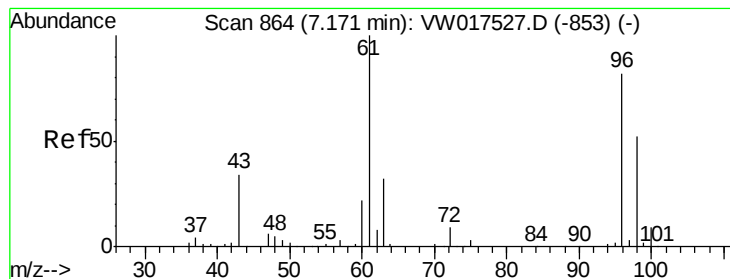
43 100

72 28.2 14.4 43.2



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



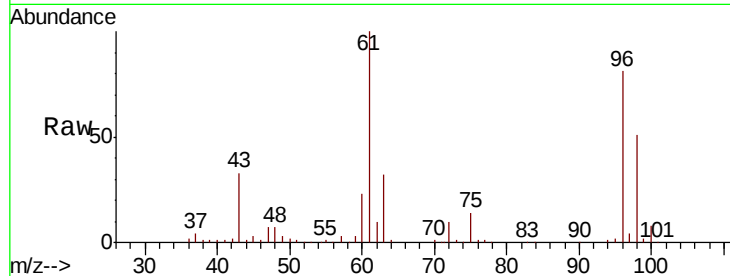


#22

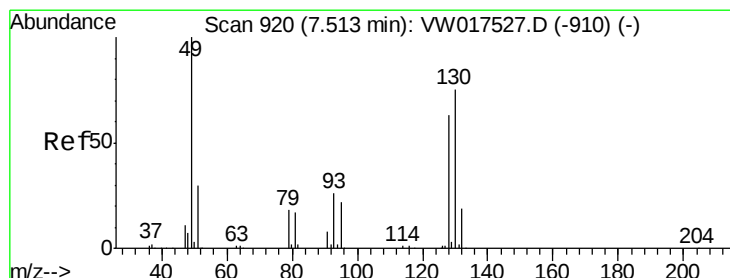
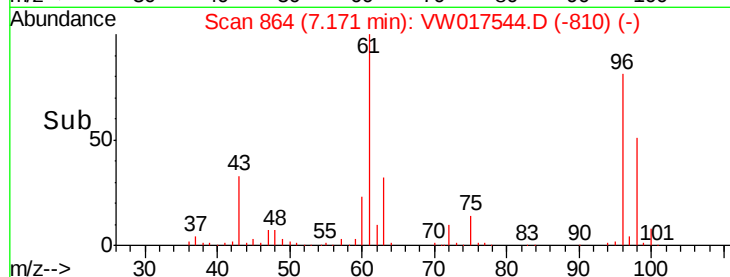
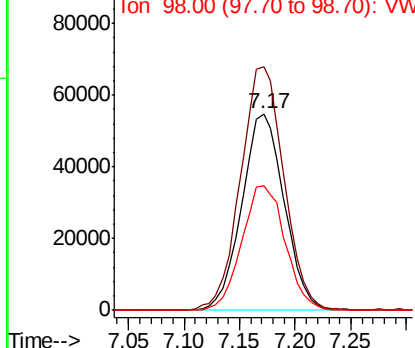
cis-1,2-Dichloroethene
 Concen: 23.161 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW017544.D
 Acq: 04 Dec 2020 09:56

Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02528

Tot Ion: 96 Resp: 145249
 Ion Ratio Lower Upper
 96 100
 61 123.8 84.6 157.2
 98 63.1 44.7 82.9



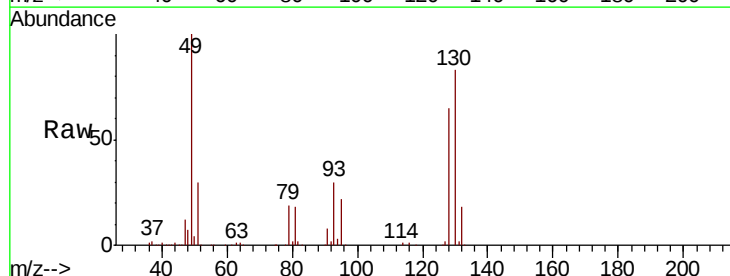
Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 98.00 (97.70 to 98.70): VW



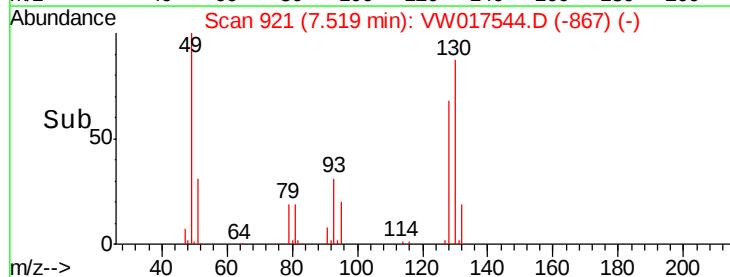
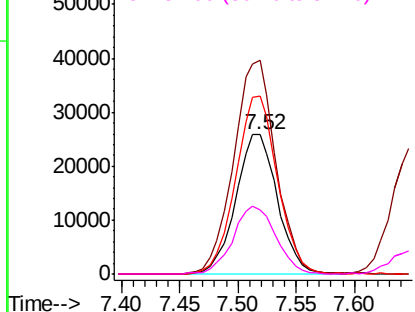
#23

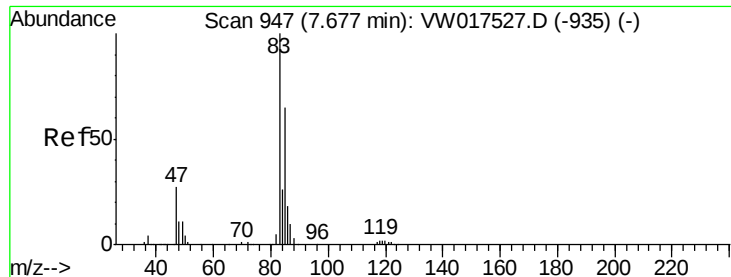
Bromochloromethane
 Concen: 22.599 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VW017544.D
 Acq: 04 Dec 2020 09:56

Tgt Ion: 128 Resp: 64356
 Ion Ratio Lower Upper
 128 100
 49 153.2 101.6 188.6
 130 127.9 90.4 167.8
 51 46.4 37.7 56.5



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

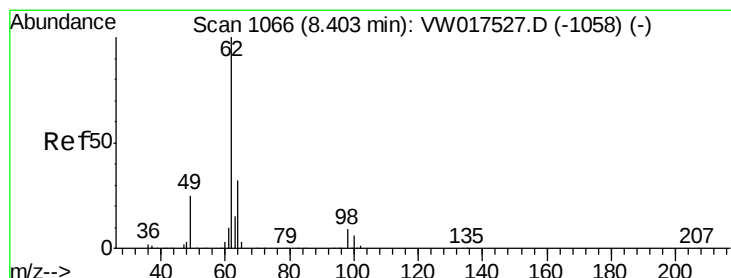
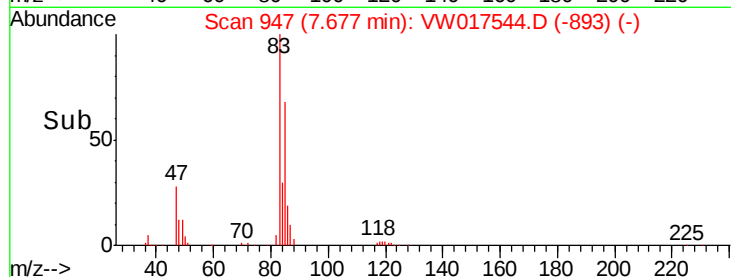
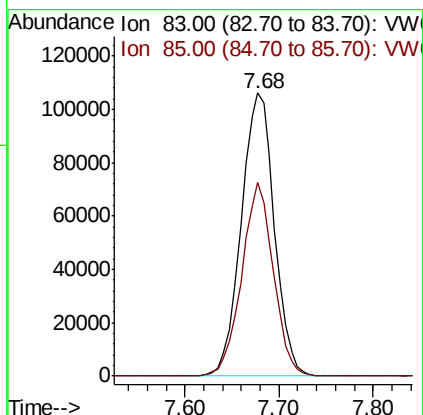
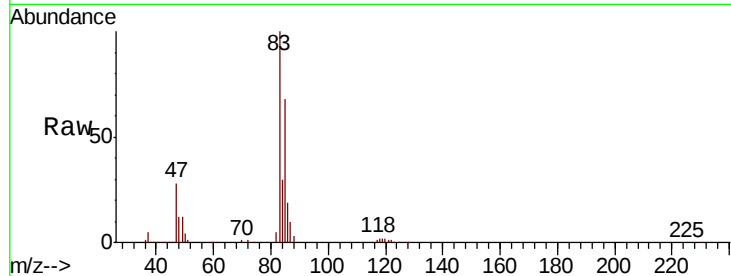




#25
Chloroform
Concen: 24.317 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW017544.D
Acq: 04 Dec 2020 09:56

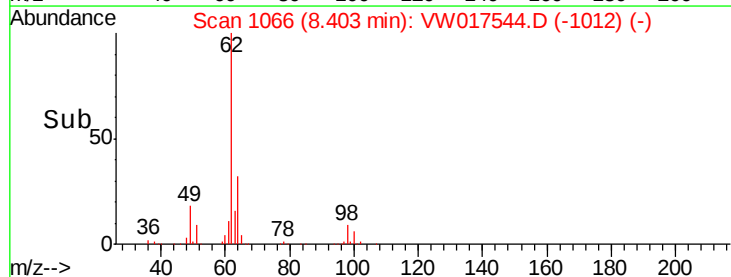
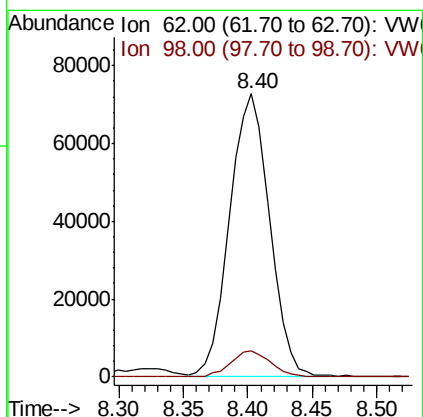
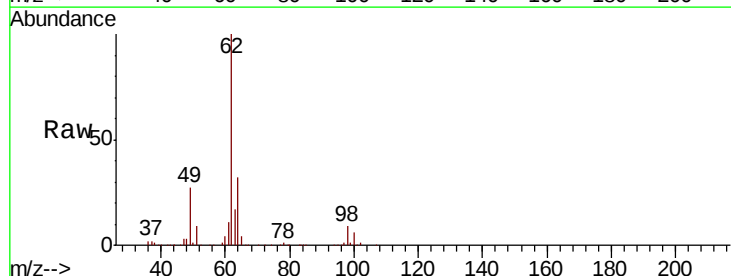
Instrument :
MSVOA_W
ClientSampleId :
VSTD02528

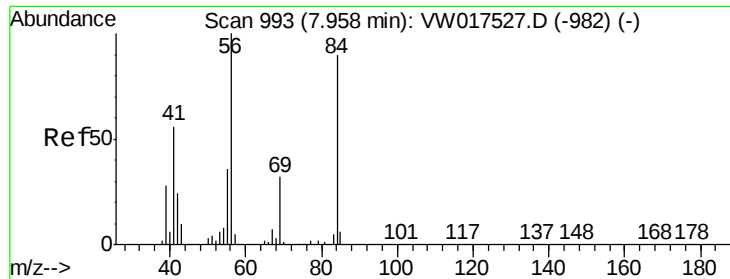
Tot Ion: 83 Resp: 260964
Ion Ratio Lower Upper
83 100
85 65.6 45.7 84.9



#27
1,2-Dichloroethane
Concen: 24.122 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW017544.D
Acq: 04 Dec 2020 09:56

Tgt Ion: 62 Resp: 157273
Ion Ratio Lower Upper
62 100
98 9.0 8.0 12.0

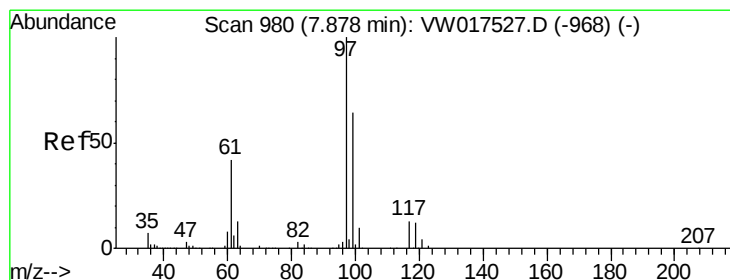
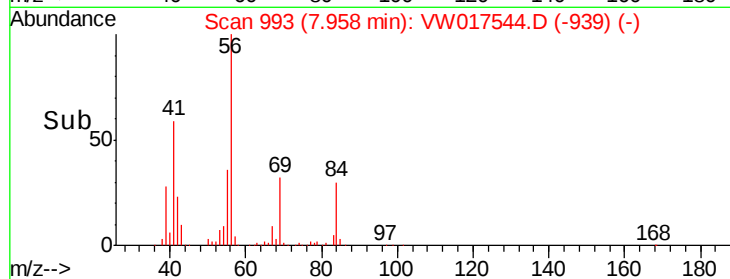
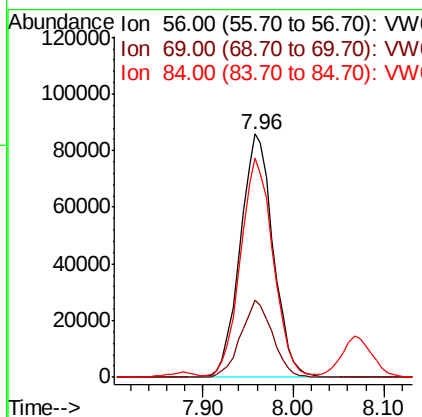
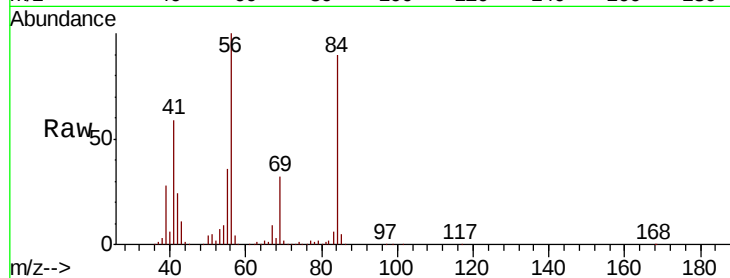




#30
Cvclohexane
Concen: 23.981 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW017544.D
Acq: 04 Dec 2020 09:56

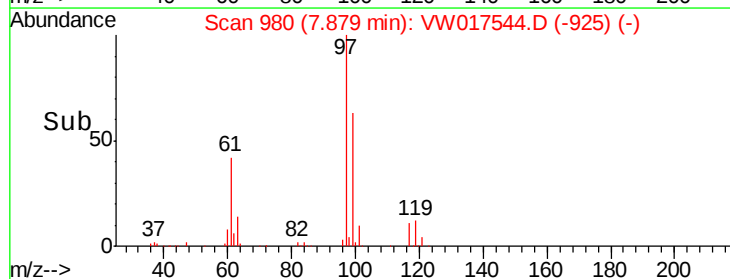
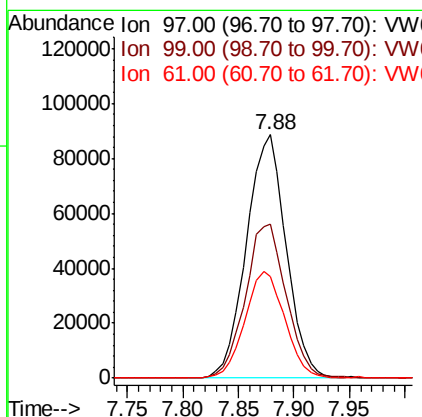
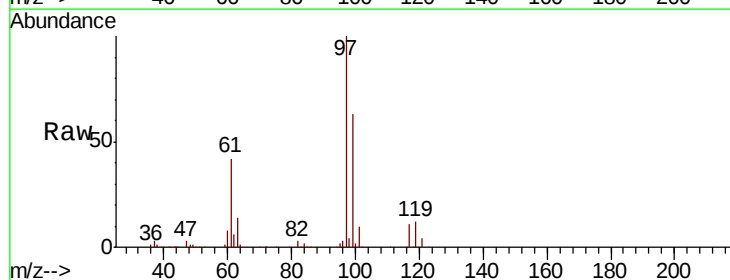
Instrument :
MSVOA_W
ClientSampleId :
VSTD02528

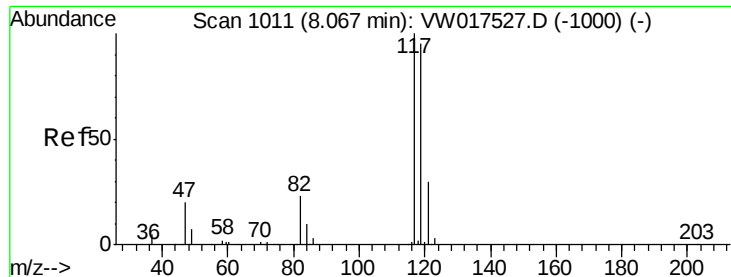
Tot Ion: 56 Resp: 216027
Ion Ratio Lower Upper
56 100
69 30.6 24.8 37.2
84 89.4 74.2 111.4



#31
1,1,1-Trichloroethane
Concen: 24.418 ug/L
RT: 7.88 min Scan# 980
Delta R.T. 0.01 min
Lab File: VW017544.D
Acq: 04 Dec 2020 09:56

Tgt Ion: 97 Resp: 220350
Ion Ratio Lower Upper
97 100
99 64.8 51.0 76.4
61 44.0 33.6 50.4





#32

Carbon tetrachloride

Concen: 25.195 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VW017544.D

Acq: 04 Dec 2020 09:56

Instrument :

MSVOA_W

ClientSampleId :

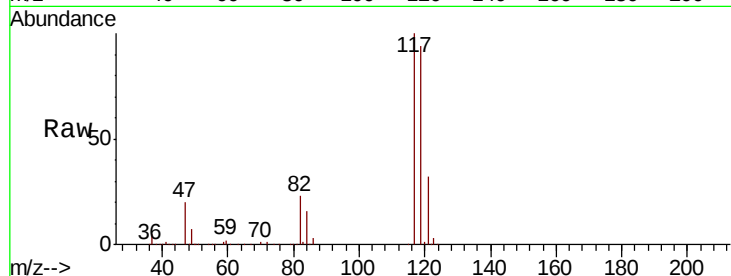
VSTD02528

Tot Ion:117 Resp: 220488

Ion Ratio Lower Upper

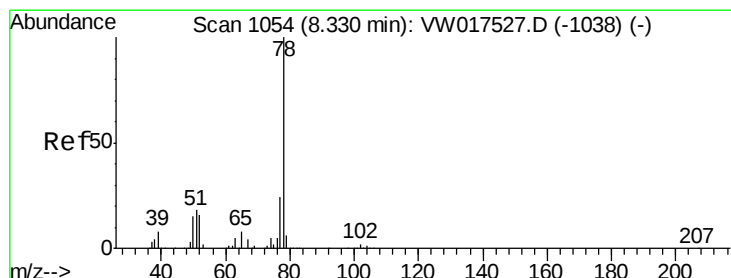
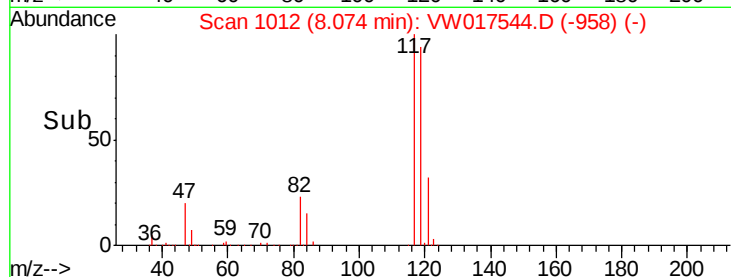
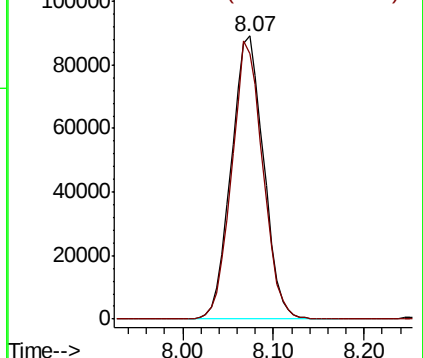
117 100

119 94.3 75.8 113.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 24.102 ug/L

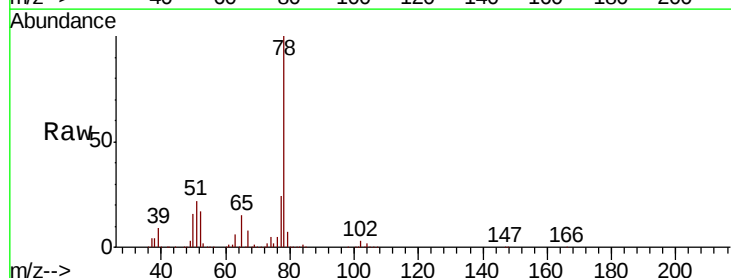
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

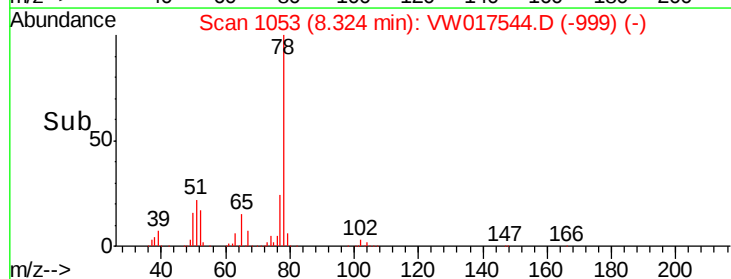
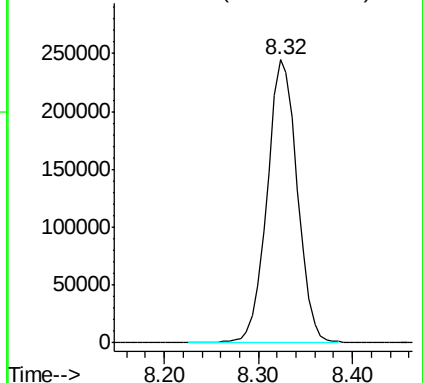
Lab File: VW017544.D

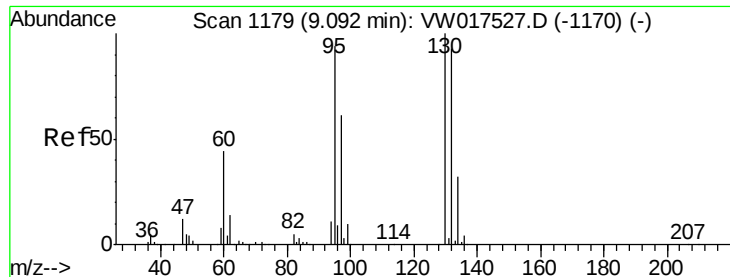
Acq: 04 Dec 2020 09:56

Tgt Ion: 78 Resp: 547665



Abundance Ion 78.00 (77.70 to 78.70): VW

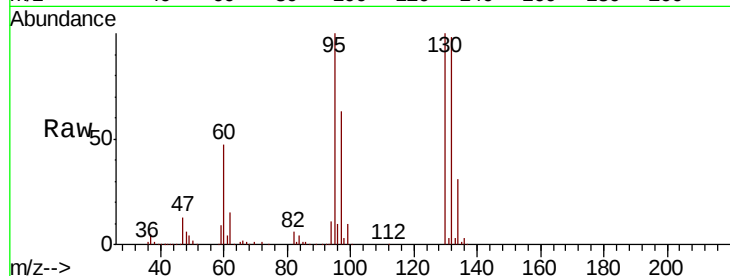




#35
 Trichloroethene
 Concen: 23.550 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW017544.D
 Acq: 04 Dec 2020 09:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02528

Tot Ion	95	Resp	148840
Ion	Ratio	Lower	Upper
95	100		
97	64.9	45.0	83.6
132	99.4	71.0	131.8
130	104.9	75.6	140.4



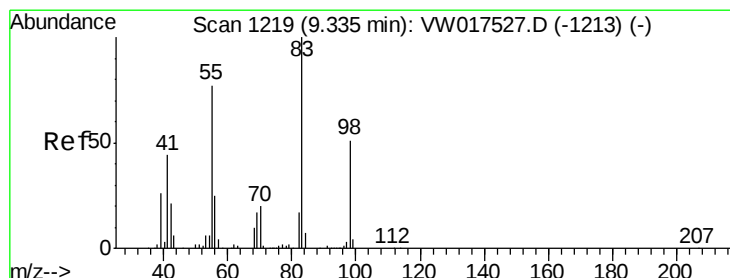
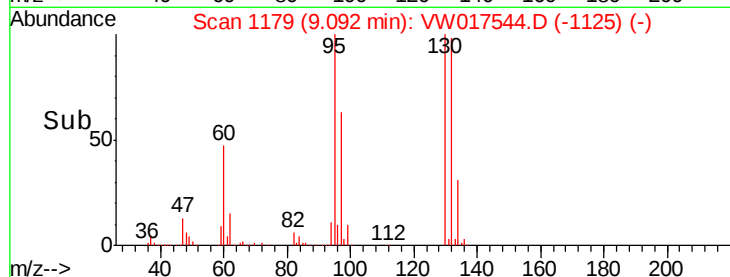
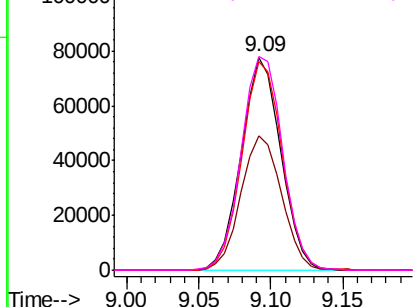
Abundance

Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

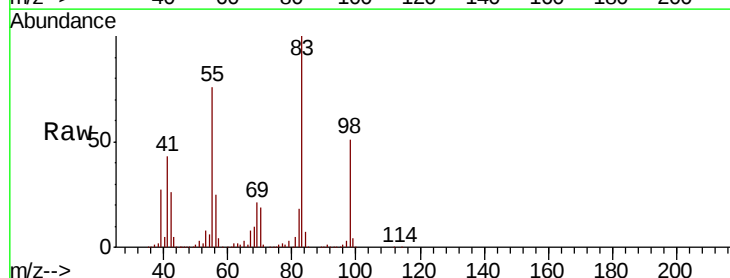
Ion 132.00 (131.70 to 132.70): V

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. -0.01 min
 Lab File: VW017544.D
 Acq: 04 Dec 2020 09:56

Tgt Ion	83	Resp	244585
Ion	Ratio	Lower	Upper
83	100		
55	76.0	59.4	89.0
98	51.1	40.7	61.1

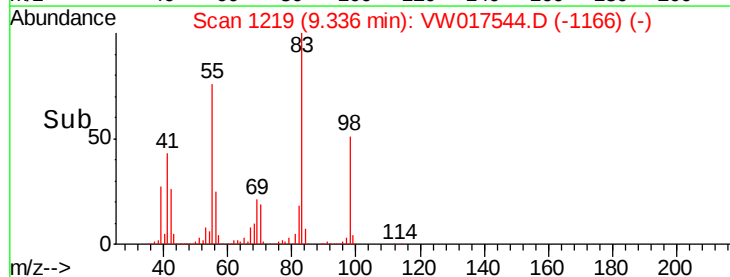
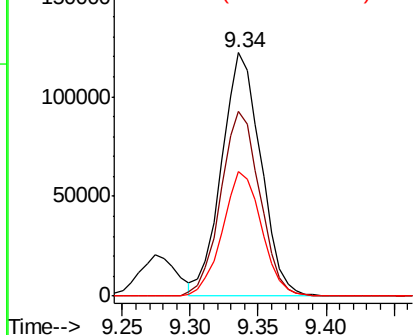


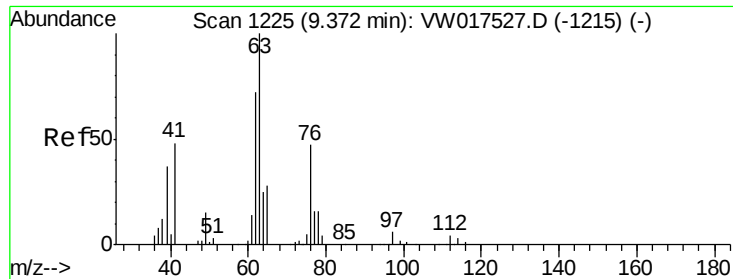
Abundance

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: 24.525 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW017544.D

Acq: 04 Dec 2020 09:56

Instrument :

MSVOA_W

ClientSampleId :

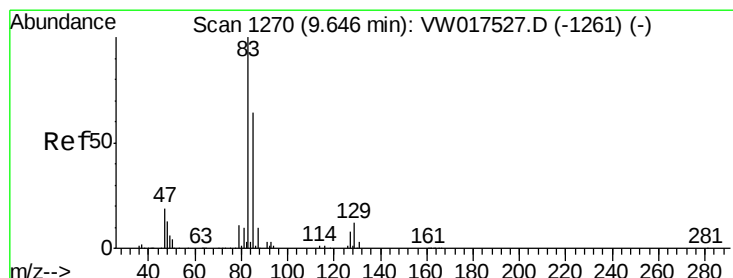
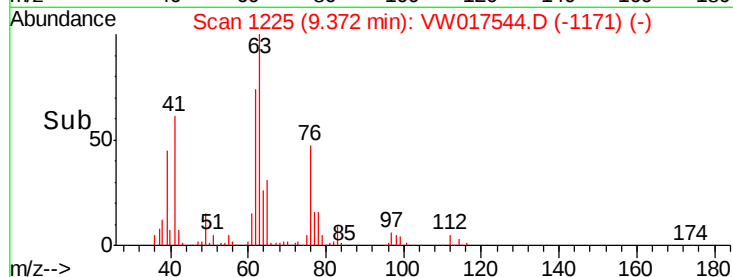
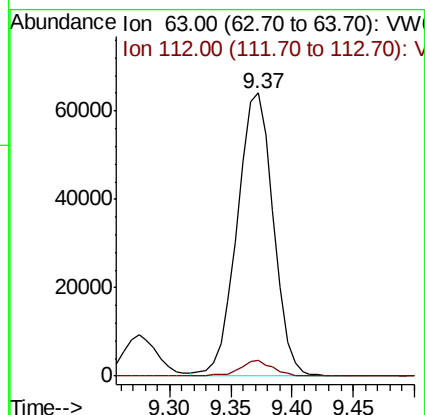
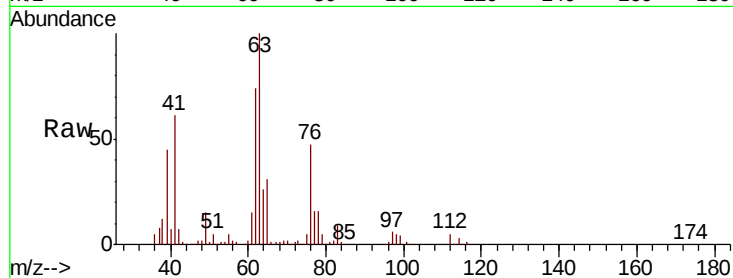
VSTD02528

Tot Ion: 63 Resp: 131474

Ion Ratio Lower Upper

63 100

112 5.0 4.2 6.4



#41

Bromodichloromethane

Concen: 24.354 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW017544.D

Acq: 04 Dec 2020 09:56

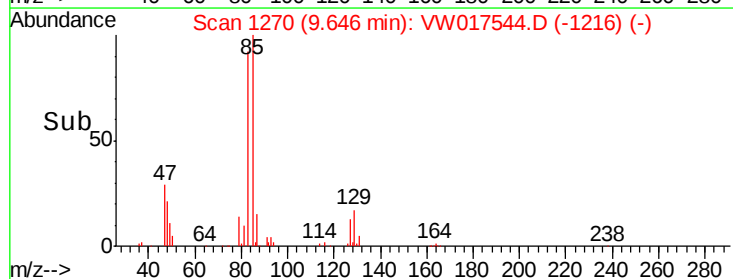
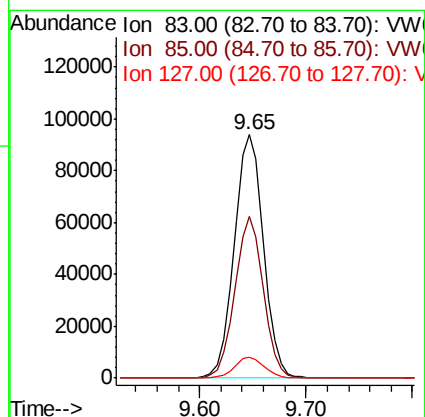
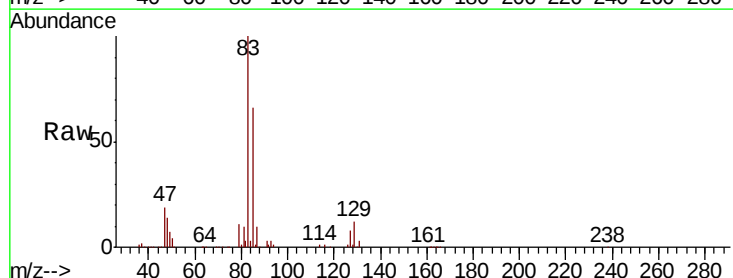
Tgt Ion: 83 Resp: 180529

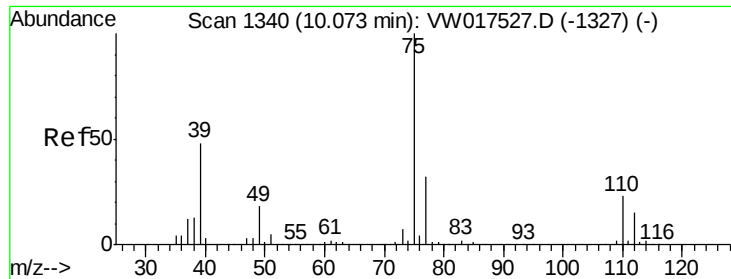
Ion Ratio Lower Upper

83 100

85 66.4 46.8 86.8

127 8.4 7.6 11.4

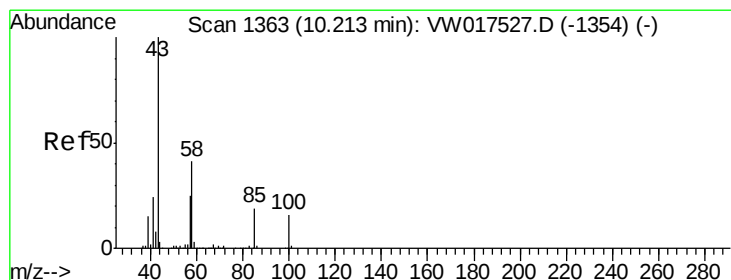
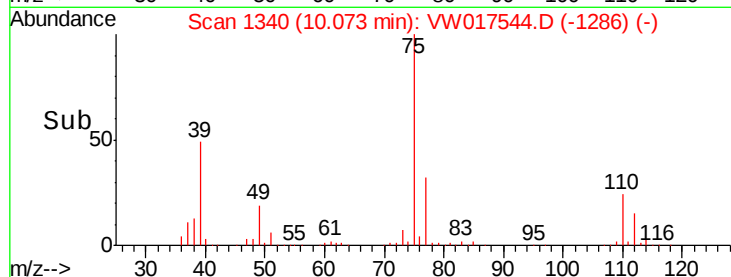
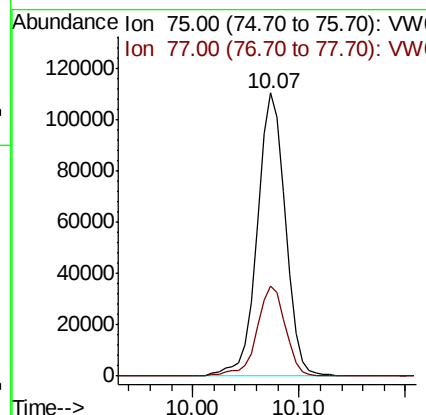
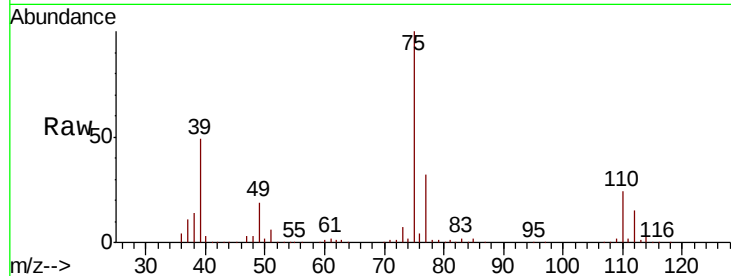




#42
 cis-1,3-Dichloropropene
 Concen: 24.576 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW017544.D
 Acq: 04 Dec 2020 09:56

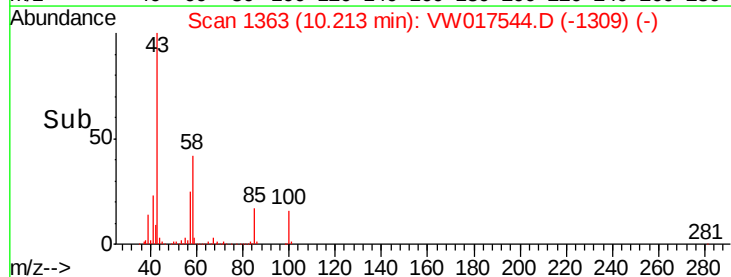
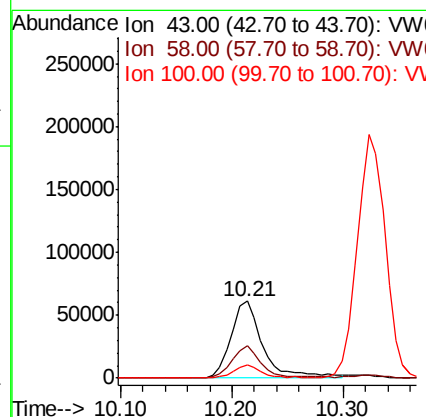
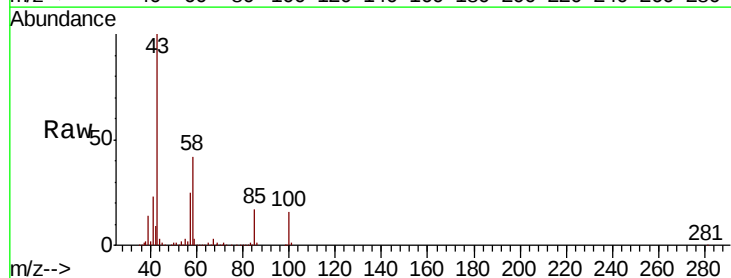
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02528

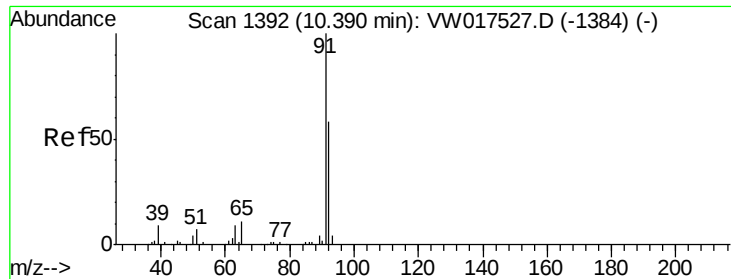
Tot Ion: 75 Resp: 204893
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.7 42.3



#43
 4-Methyl-2-pentanone
 Concen: 48.568 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW017544.D
 Acq: 04 Dec 2020 09:56

Tgt Ion: 43 Resp: 121837
 Ion Ratio Lower Upper
 43 100
 58 36.4 31.6 47.4
 100 14.8 14.1 21.1





#44

Toluene

Concen: 24.176 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW017544.D

Acq: 04 Dec 2020 09:56

Instrument :

MSVOA_W

ClientSampleId :

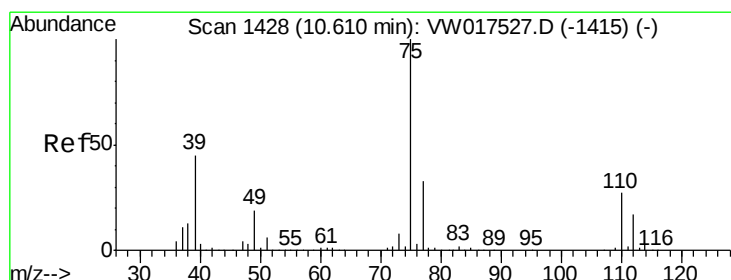
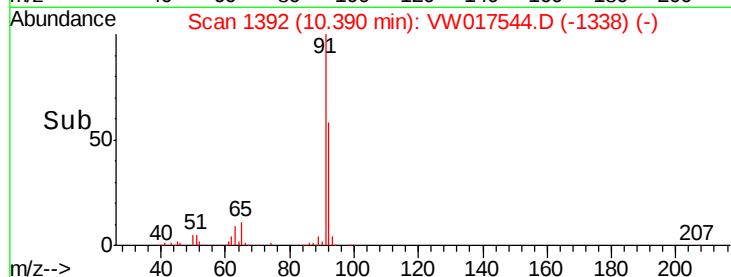
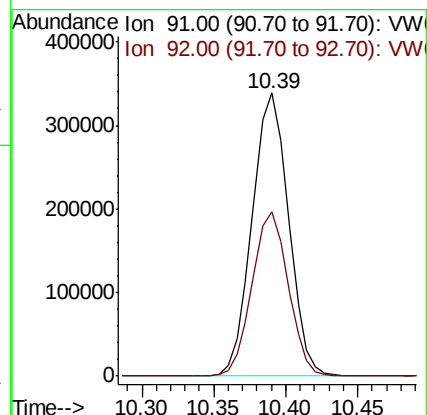
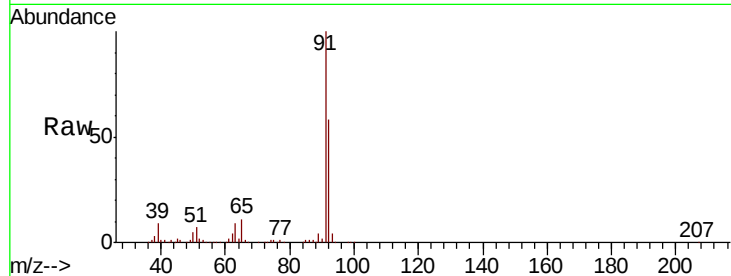
VSTD02528

Tot Ion: 91 Resp: 592108

Ion Ratio Lower Upper

91 100

92 57.9 41.6 77.3



#45

trans-1,3-Dichloropropene

Concen: 24.851 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.01 min

Lab File: VW017544.D

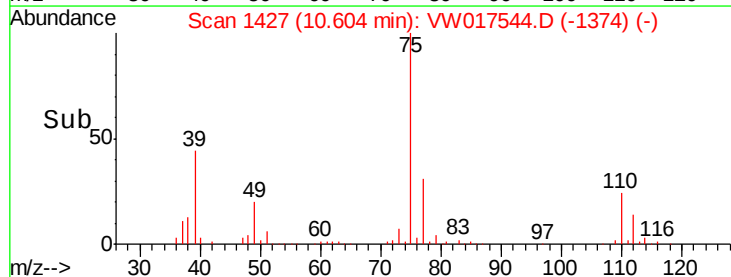
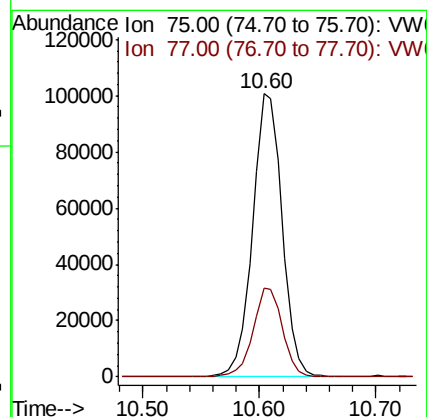
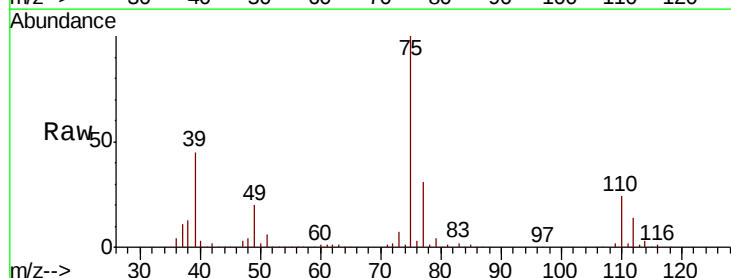
Acq: 04 Dec 2020 09:56

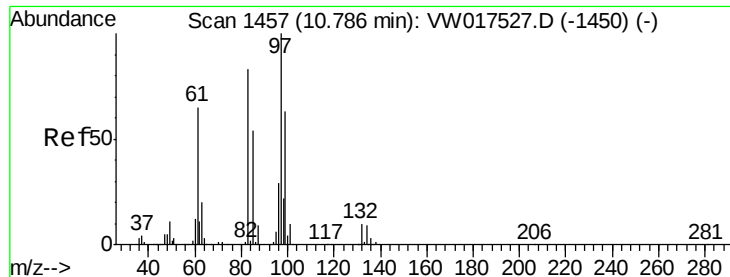
Tgt Ion: 75 Resp: 178322

Ion Ratio Lower Upper

75 100

77 31.3 22.6 42.0





#46

1,1,2-Trichloroethane

Concen: 23.766 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW017544.D

Acq: 04 Dec 2020 09:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD02528

Tot Ion: 97 Resp: 96142

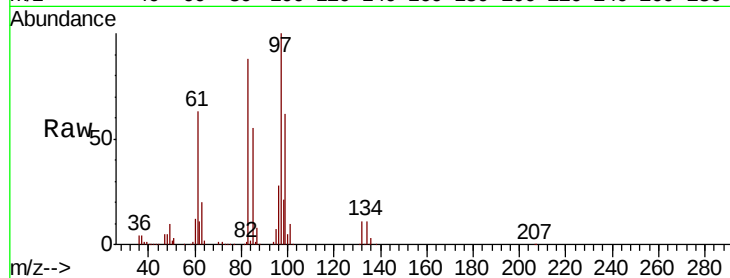
Ion Ratio Lower Upper

97 100

83 87.7 58.5 108.7

85 54.7 37.8 70.2

99 62.1 43.7 81.1

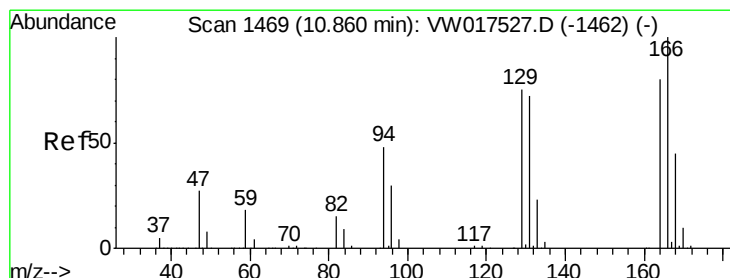
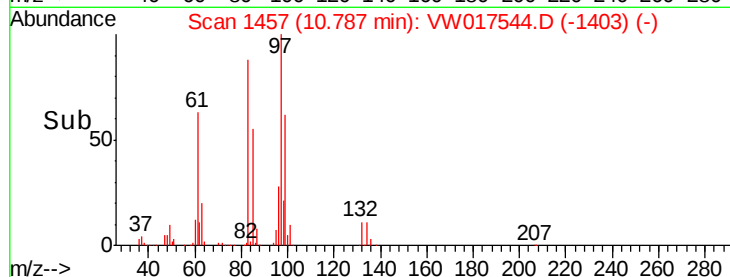
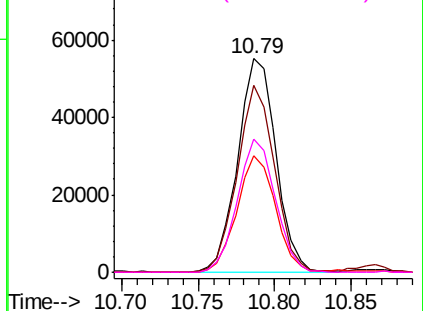


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 22.358 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW017544.D

Acq: 04 Dec 2020 09:56

Tgt Ion: 164 Resp: 119654

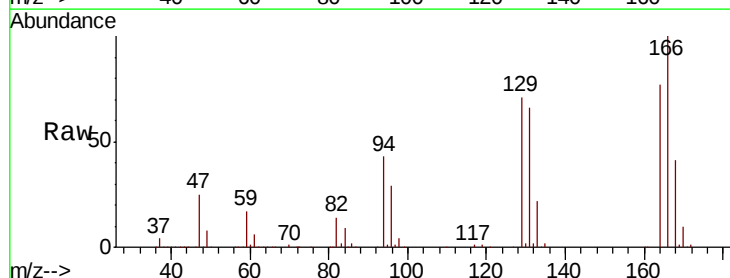
Ion Ratio Lower Upper

164 100

129 92.4 67.6 125.6

131 86.3 65.2 121.2

166 130.7 93.2 173.2

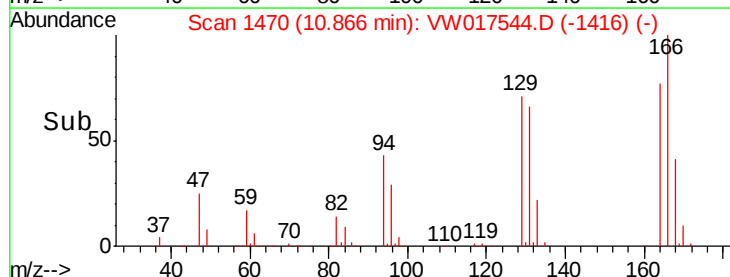
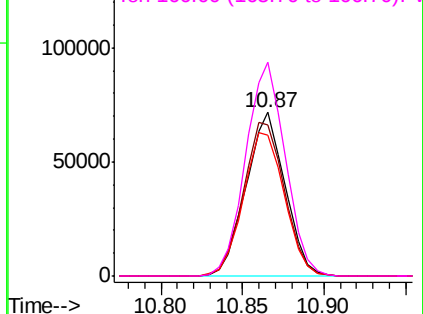


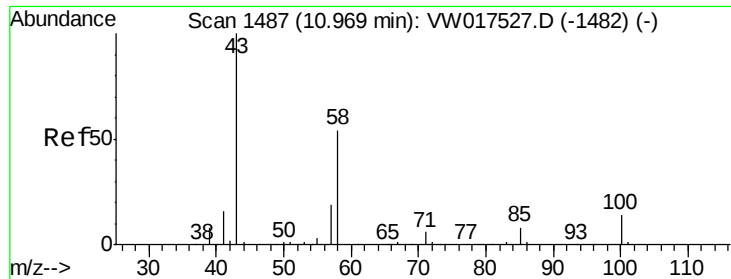
Abundance Ion 164.00 (163.70 to 164.70): V

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

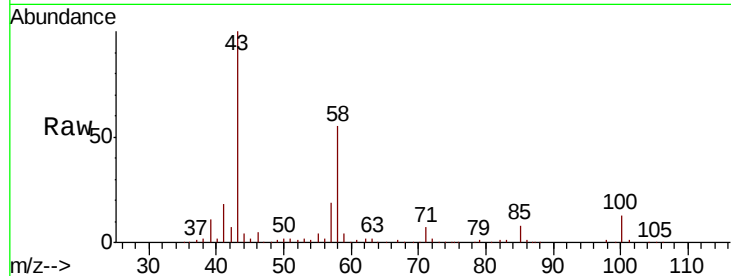




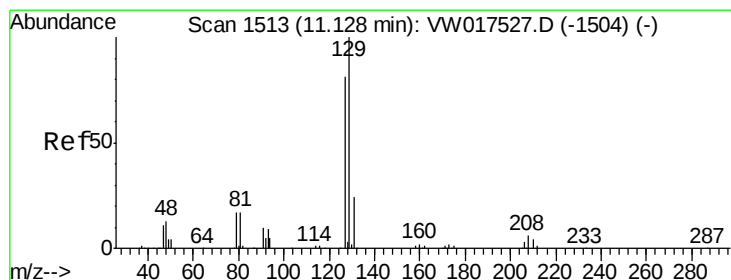
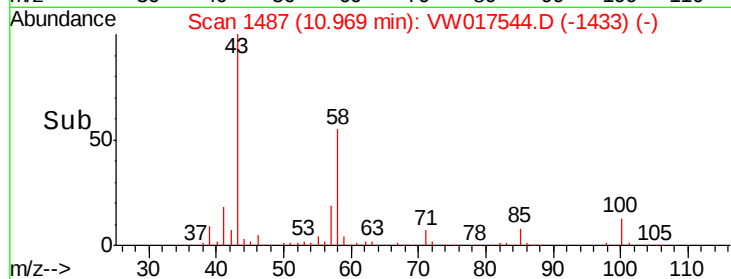
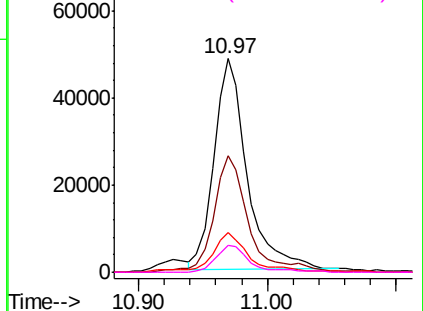
#49
2-Hexanone
Concen: 47.715 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW017544.D
Acq: 04 Dec 2020 09:56

Instrument :
MSVOA_W
ClientSampleId :
VSTD02528

Tot Ion:	43	Resp:	87282
Ion	Ratio	Lower	Upper
43	100		
58	55.9	51.3	76.9
57	15.7	15.0	22.6
100	12.5	12.2	18.2

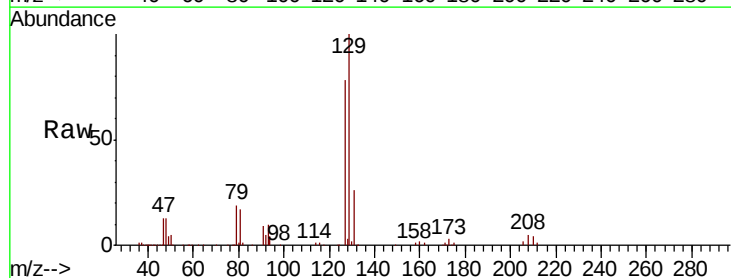


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW
Ion 57.00 (56.70 to 57.70): VW
Ion 100.00 (99.70 to 100.70): VW

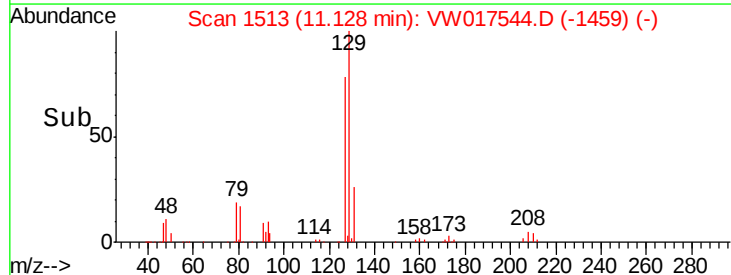
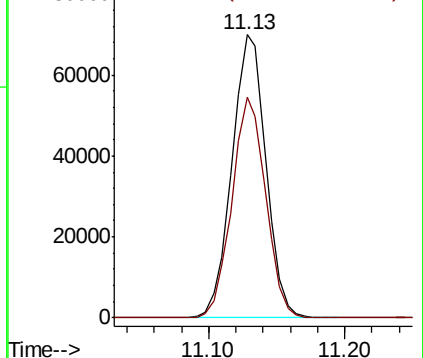


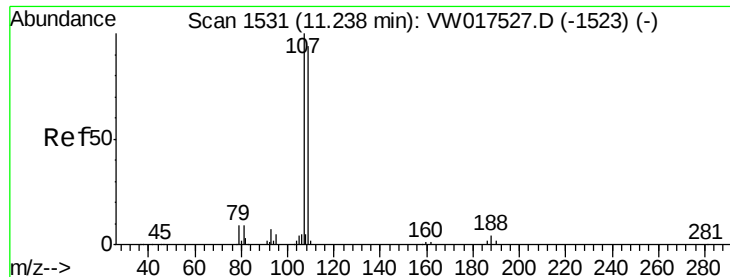
#50
Dibromochloromethane
Concen: 24.249 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW017544.D
Acq: 04 Dec 2020 09:56

Tgt Ion:	129	Resp:	121590
Ion	Ratio	Lower	Upper
129	100		
127	77.8	53.2	98.8



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

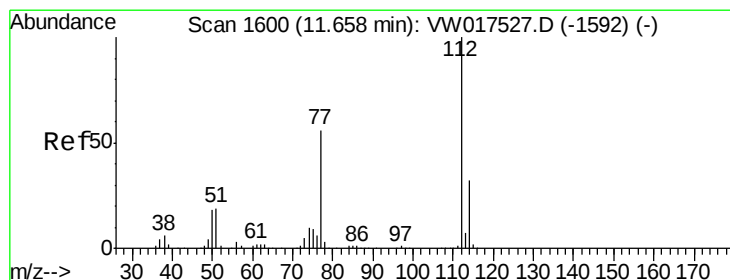
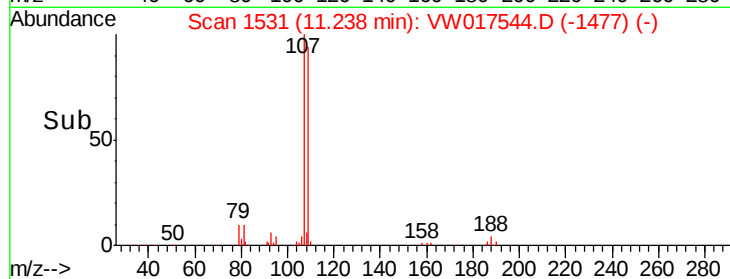
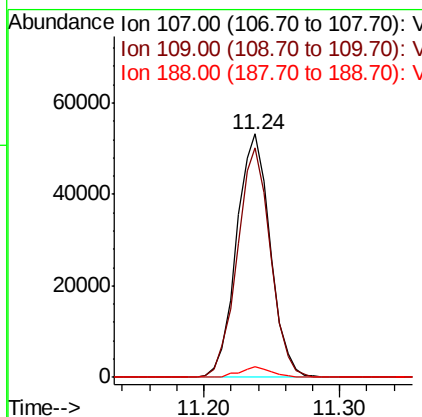
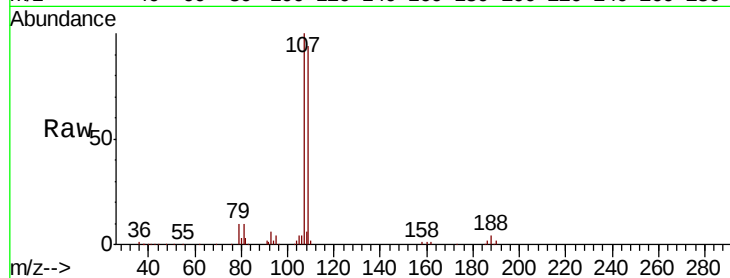




#51
 1,2-Dibromoethane
 Concen: 23.709 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW017544.D
 Acq: 04 Dec 2020 09:56

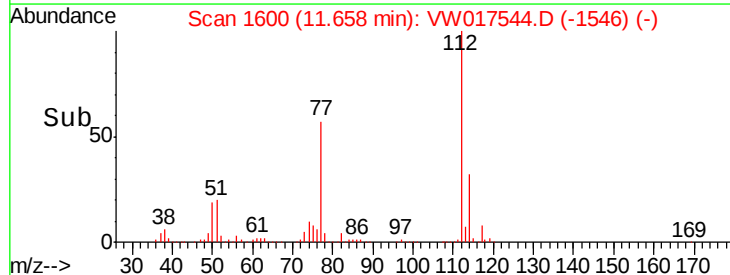
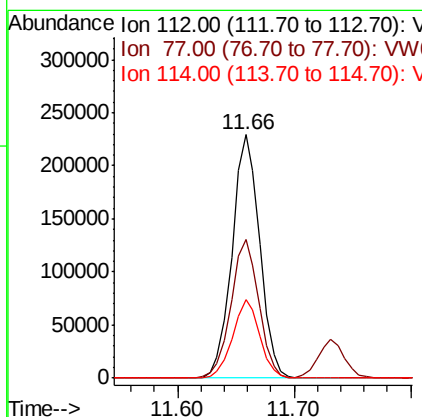
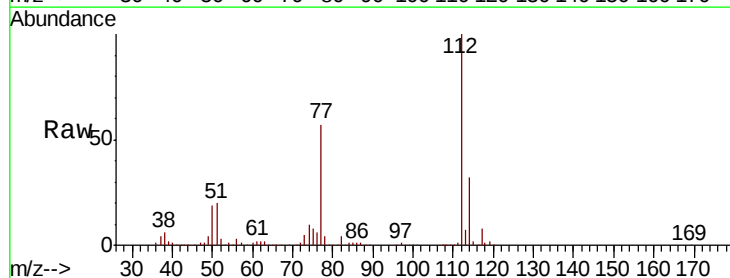
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02528

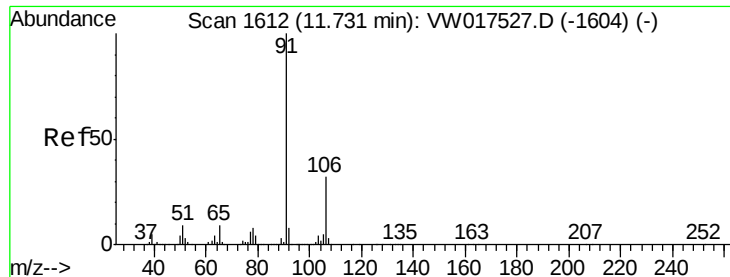
Tot Ion:107 Resp: 91699
 Ion Ratio Lower Upper
 107 100
 109 94.4 66.4 123.2
 188 4.1 4.0 6.0



#52
 Chlorobenzene
 Concen: 23.539 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW017544.D
 Acq: 04 Dec 2020 09:56

Tgt Ion:112 Resp: 376625
 Ion Ratio Lower Upper
 112 100
 77 56.8 42.6 64.0
 114 32.4 21.6 40.2





#53

Ethylbenzene

Concen: 24.245 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW017544.D

Acq: 04 Dec 2020 09:56

Instrument :

MSVOA_W

ClientSampleId :

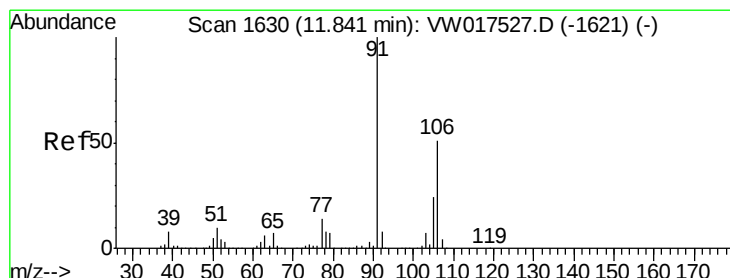
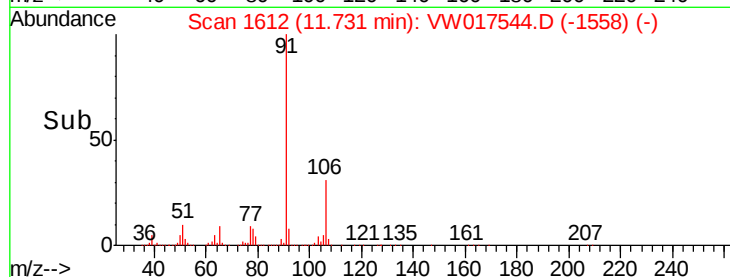
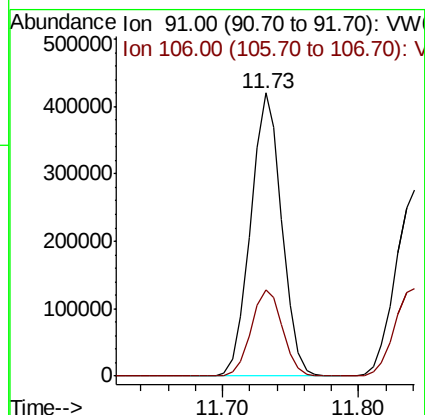
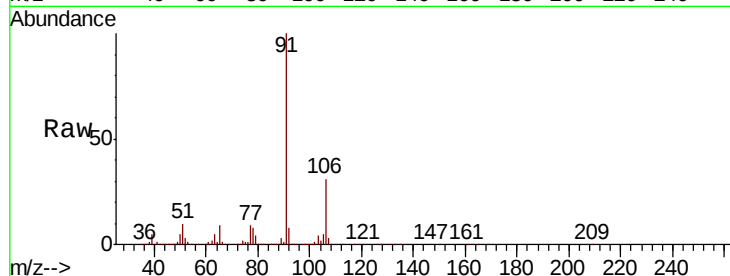
VSTD02528

Tot Ion: 91 Resp: 671932

Ion Ratio Lower Upper

91 100

106 30.6 21.1 39.1



#54

m,p-Xylene

Concen: 24.036 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW017544.D

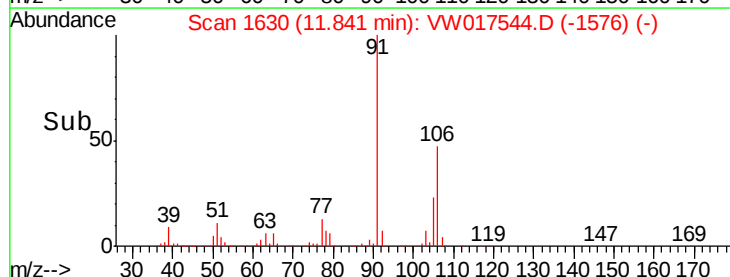
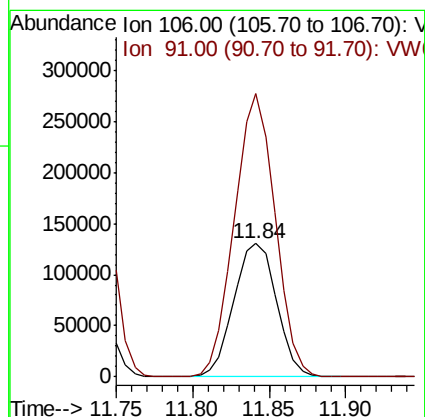
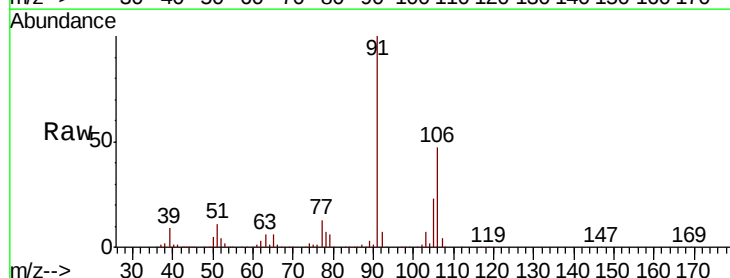
Acq: 04 Dec 2020 09:56

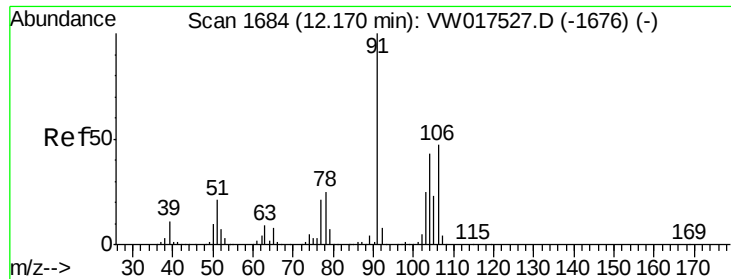
Tgt Ion: 106 Resp: 253913

Ion Ratio Lower Upper

106 100

91 212.0 136.4 253.4





#55

o-xylene

Concen: 24.267 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW017544.D

Acq: 04 Dec 2020 09:56

Instrument :

MSVOA_W

ClientSampleId :

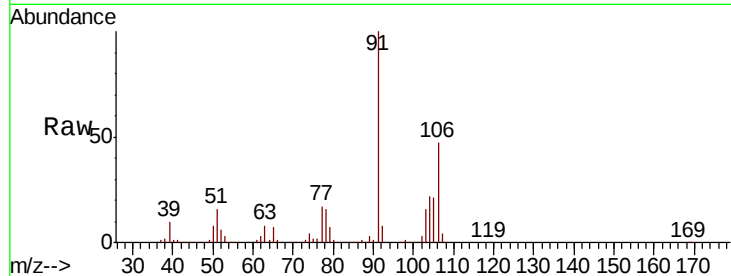
VSTD02528

Tot Ion:106 Resp: 238669

Ion Ratio Lower Upper

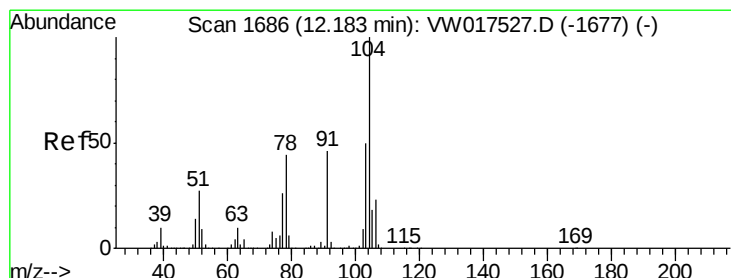
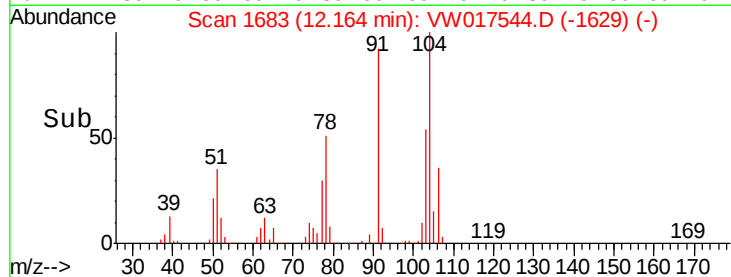
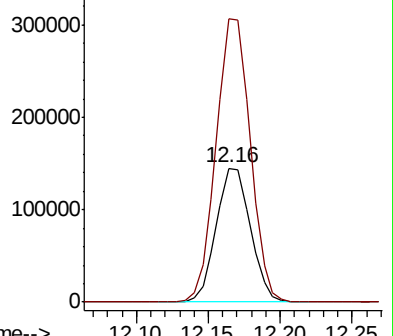
106 100

91 210.9 147.6 274.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 24.774 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW017544.D

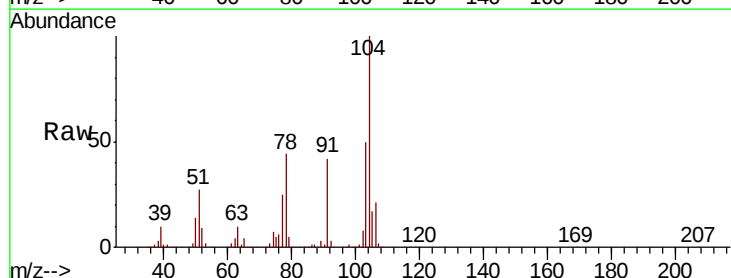
Acq: 04 Dec 2020 09:56

Tgt Ion:104 Resp: 410329

Ion Ratio Lower Upper

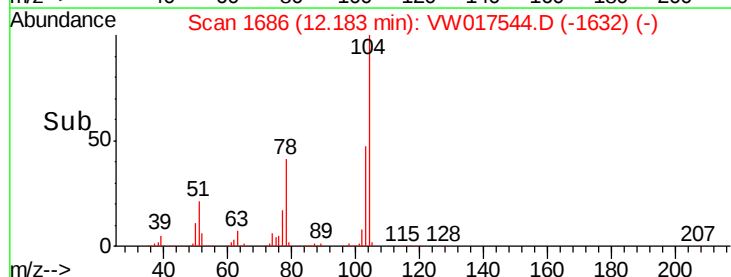
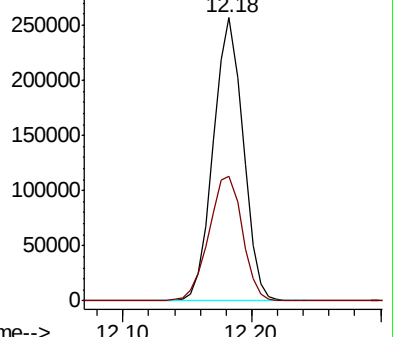
104 100

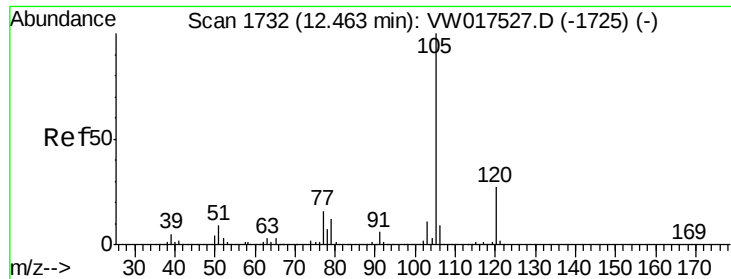
78 44.0 31.3 58.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 24.555 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW017544.D

Acq: 04 Dec 2020 09:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD02528

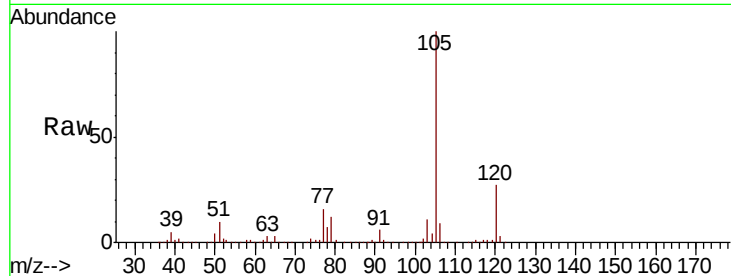
Tot Ion: 105 Resp: 663631

Ion Ratio Lower Upper

105 100

120 26.6 21.4 32.2

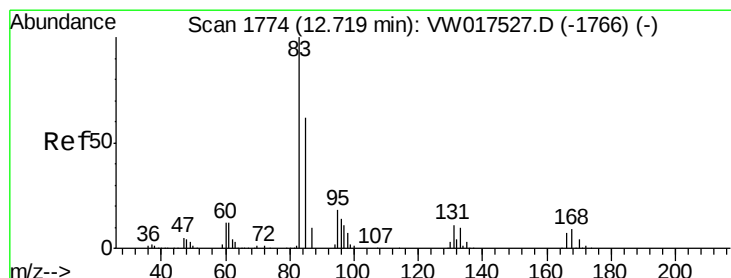
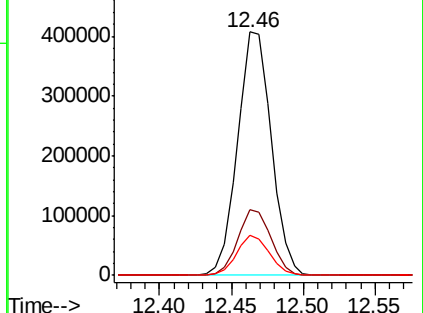
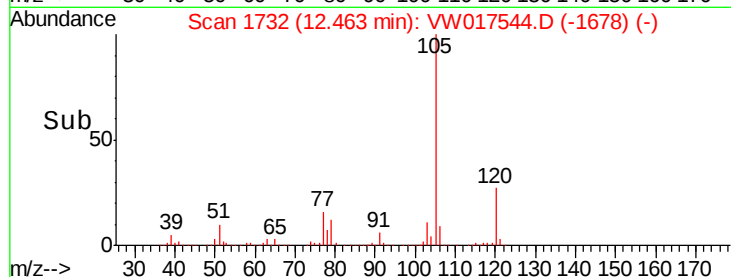
77 16.0 12.1 18.1



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: 24.138 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW017544.D

Acq: 04 Dec 2020 09:56

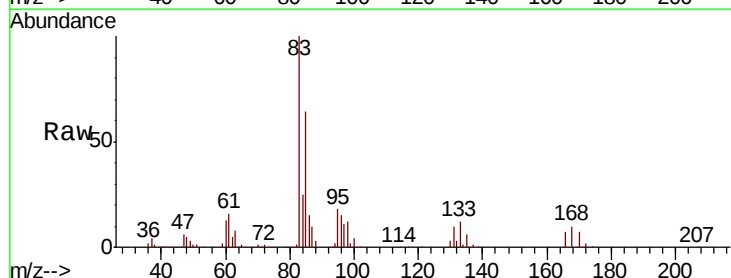
Tgt Ion: 83 Resp: 105741

Ion Ratio Lower Upper

83 100

85 64.3 45.3 84.1

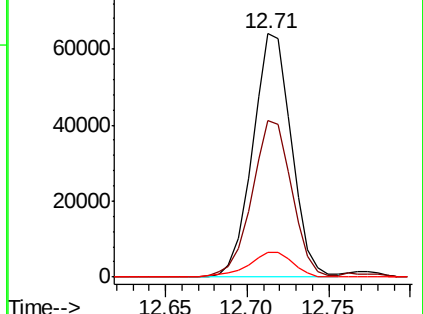
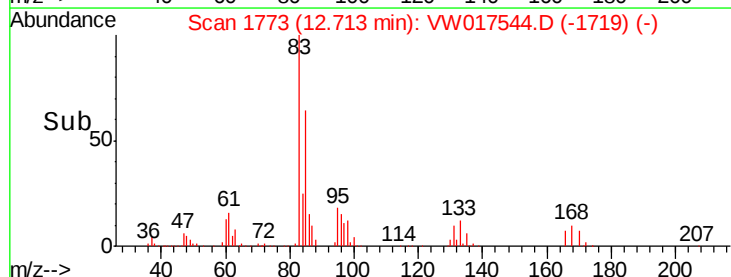
131 10.4 8.3 12.5

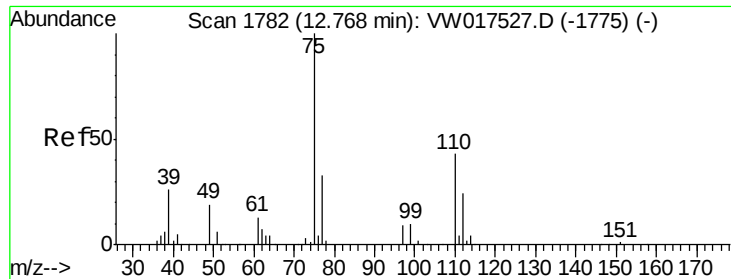


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

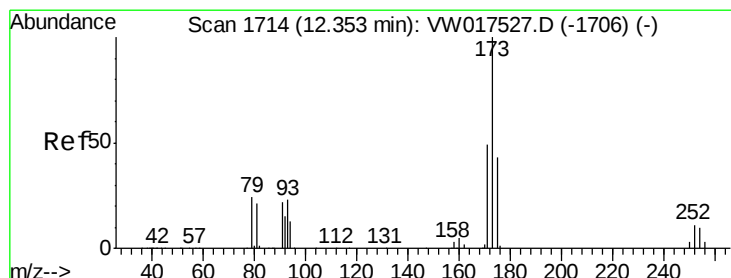
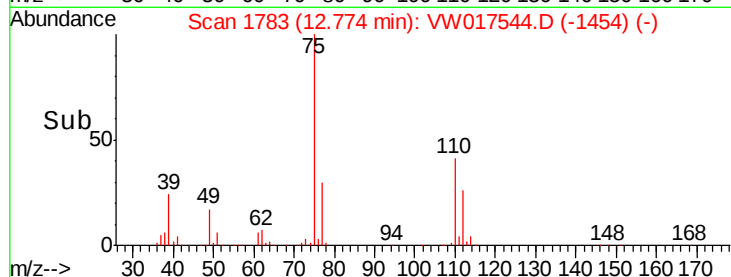
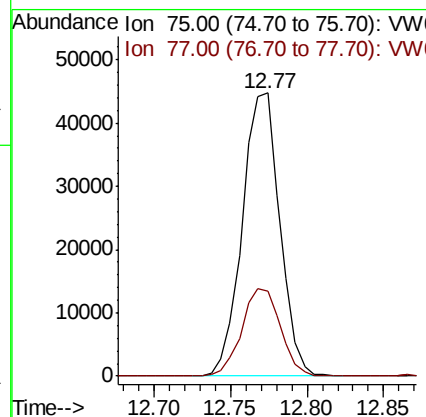
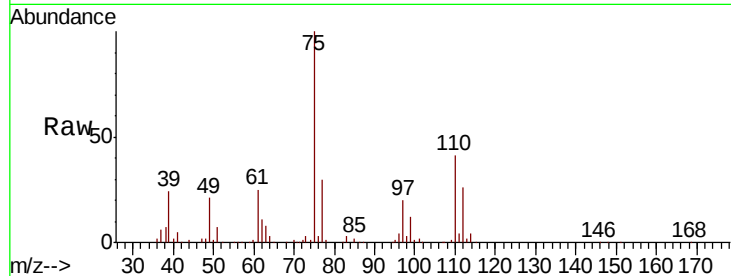




#59
 1,2,3-Trichloropropane
 Concen: 23.537 ug/L
 RT: 12.77 min Scan# 1783
 Delta R.T. 0.01 min
 Lab File: VW017544.D
 Acq: 04 Dec 2020 09:56

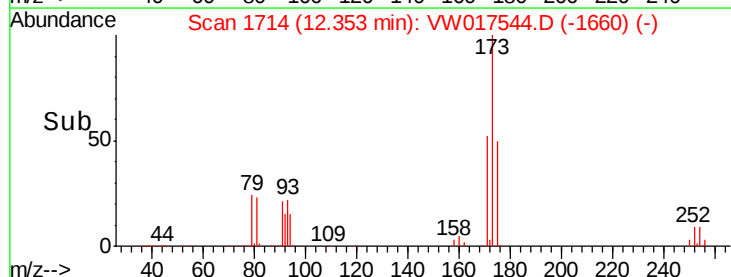
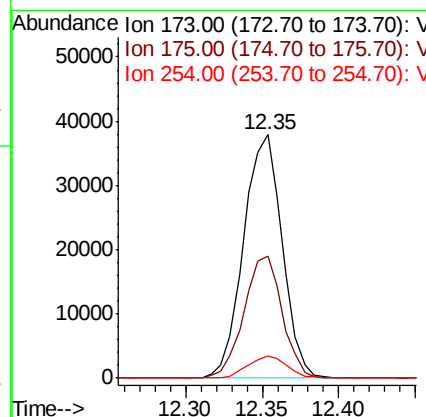
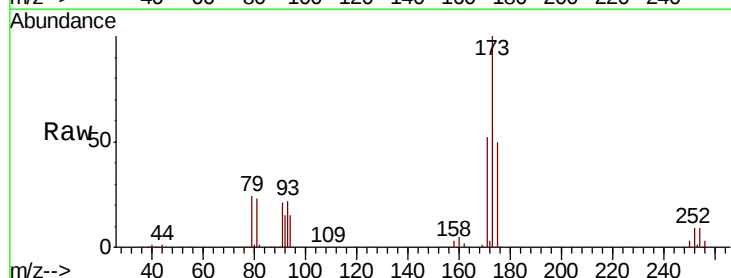
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02528

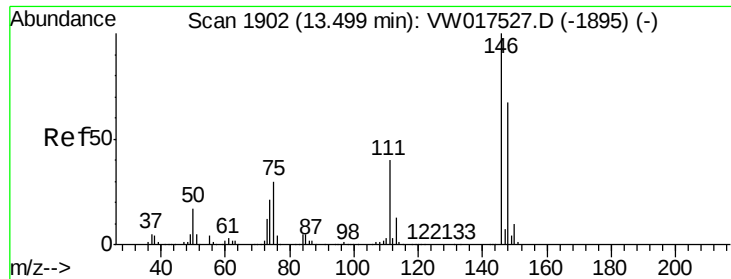
Tot Ion: 75 Resp: 76123
 Ion Ratio Lower Upper
 75 100
 77 31.8 26.6 39.8



#62
 Bromoform
 Concen: 23.076 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. 0.00 min
 Lab File: VW017544.D
 Acq: 04 Dec 2020 09:56

Tgt Ion: 173 Resp: 66233
 Ion Ratio Lower Upper
 173 100
 175 49.8 39.1 58.7
 254 9.2 7.1 10.7

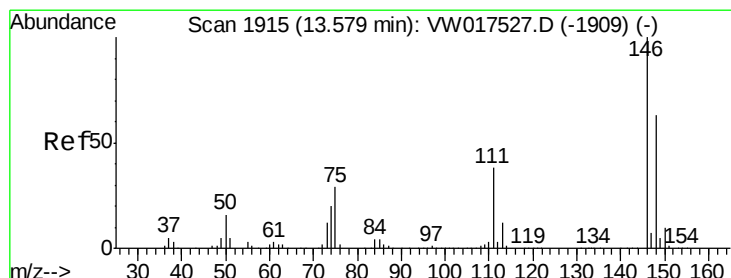
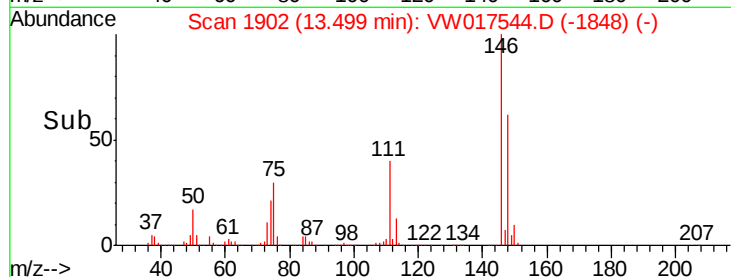
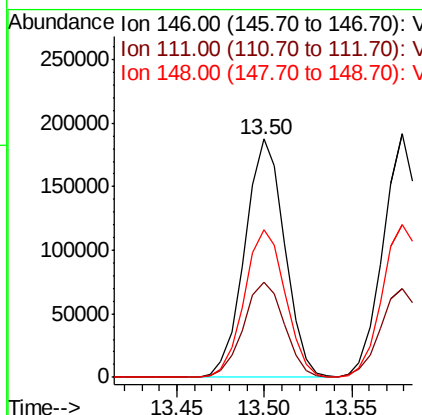
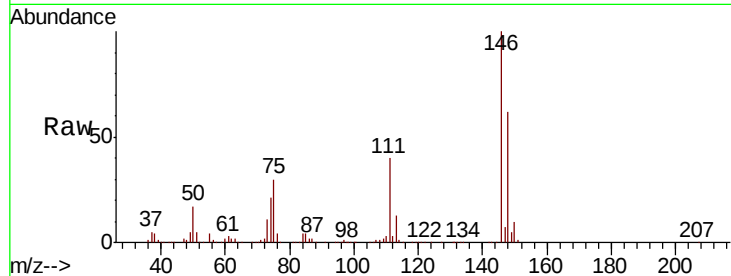




#63
 1,3-Dichlorobenzene
 Concen: 23.304 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW017544.D
 Acq: 04 Dec 2020 09:56

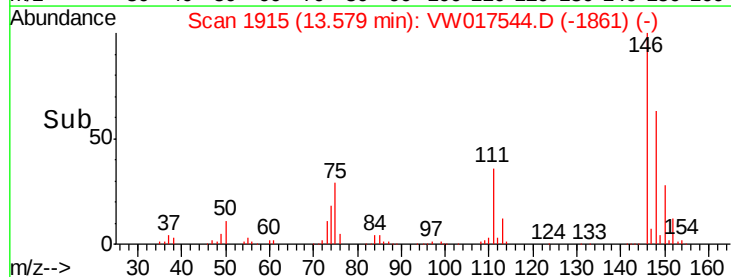
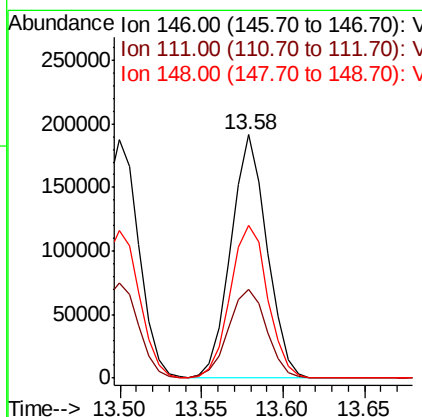
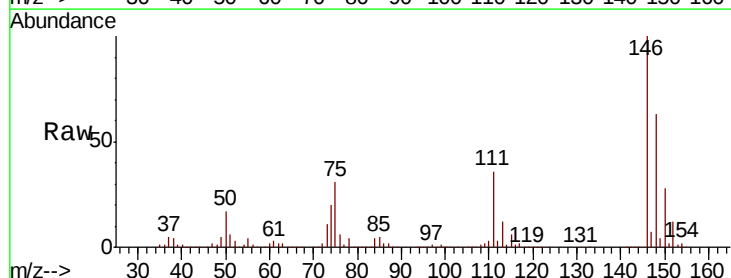
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02528

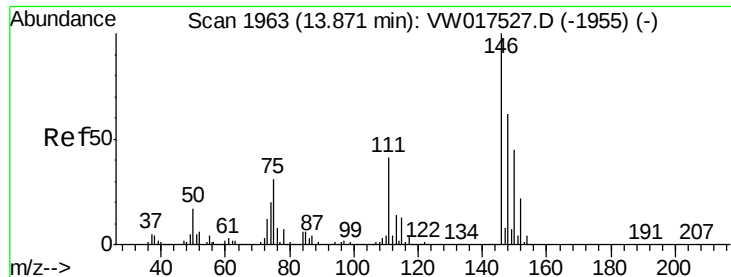
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	28.5	52.9
148	61.8	47.8	88.8



#64
 1,4-Dichlorobenzene
 Concen: 23.182 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW017544.D
 Acq: 04 Dec 2020 09:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	27.7	51.5
148	62.8	47.0	87.2

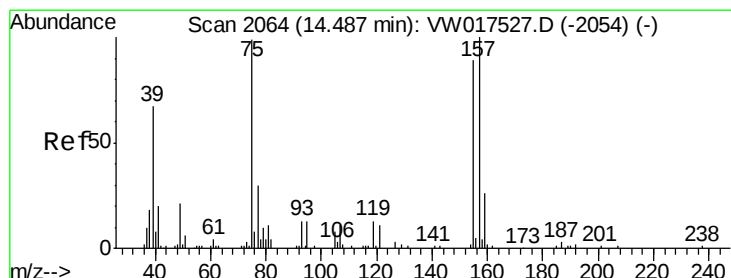
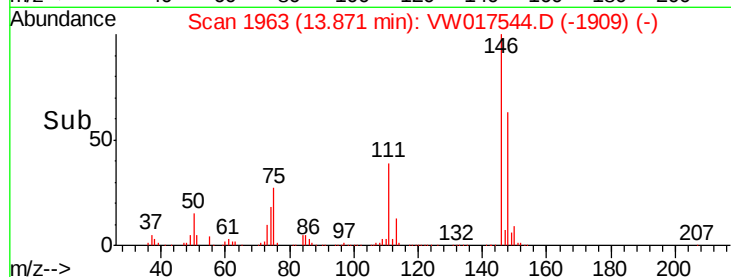
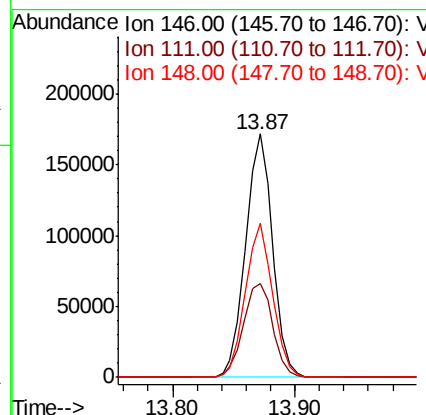
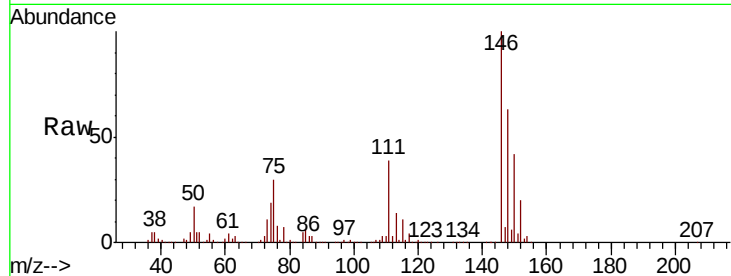




#65
 1,2-Dichlorobenzene
 Concen: 23.683 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW017544.D
 Acq: 04 Dec 2020 09:56

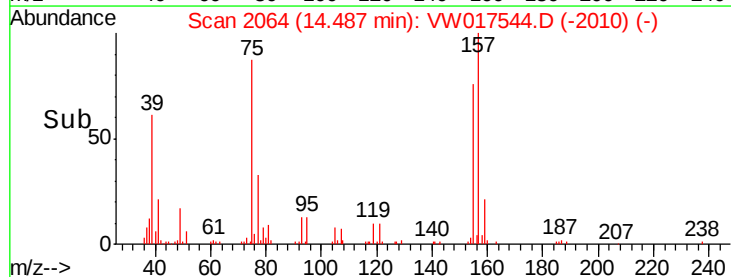
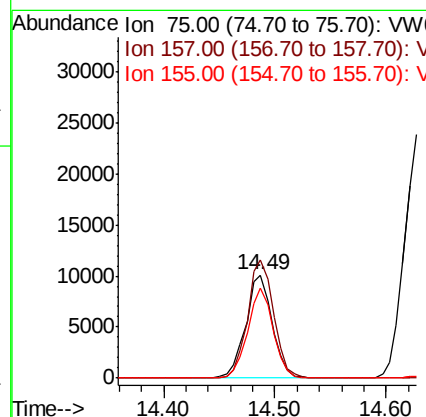
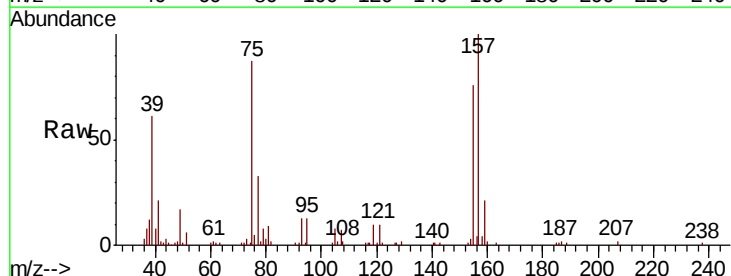
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02528

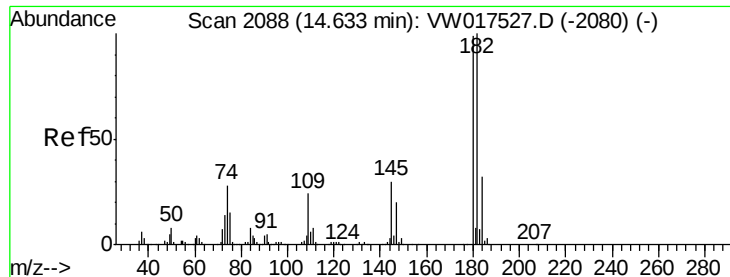
Tot Ion:146 Resp: 262990
 Ion Ratio Lower Upper
 146 100
 111 38.8 31.7 47.5
 148 63.4 49.3 73.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 22.686 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW017544.D
 Acq: 04 Dec 2020 09:56

Tgt Ion: 75 Resp: 16685
 Ion Ratio Lower Upper
 75 100
 157 114.5 99.9 149.9
 155 87.0 71.4 107.0

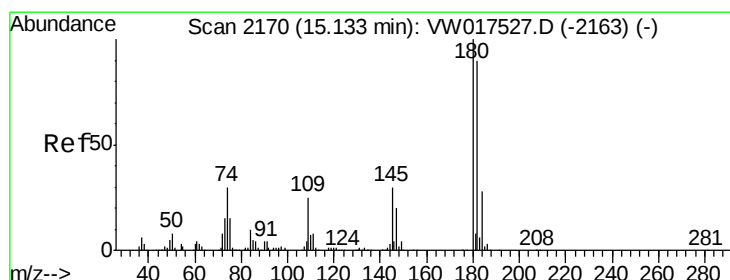
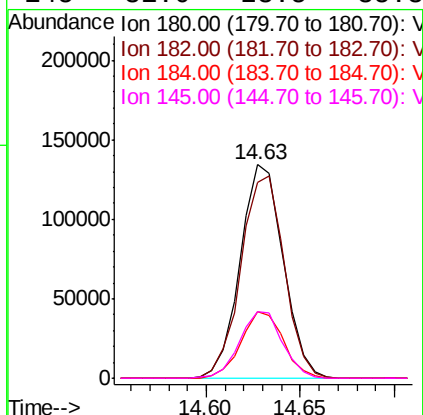
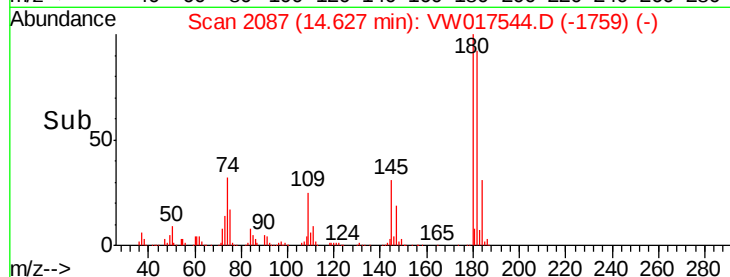
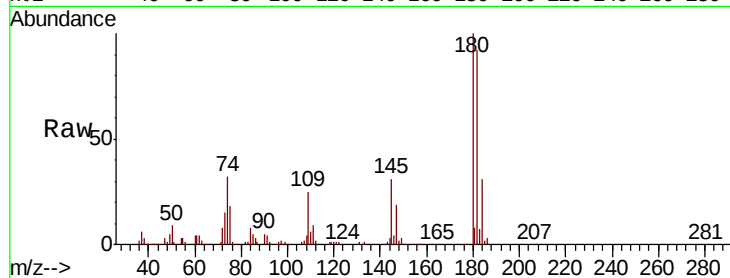




#67
 1,3,5-Trichlorobenzene
 Concen: 23.387 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW017544.D
 Acq: 04 Dec 2020 09:56

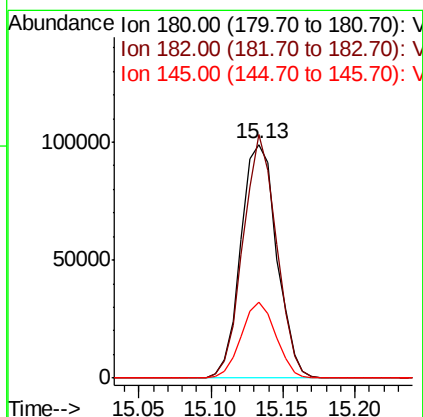
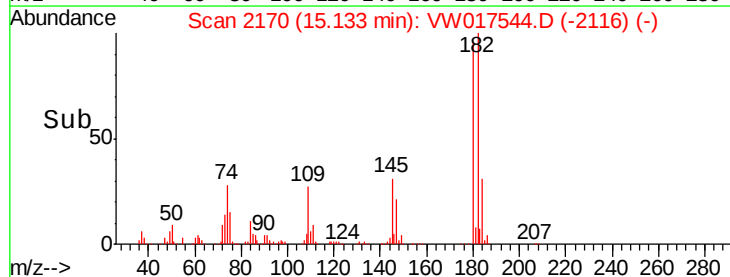
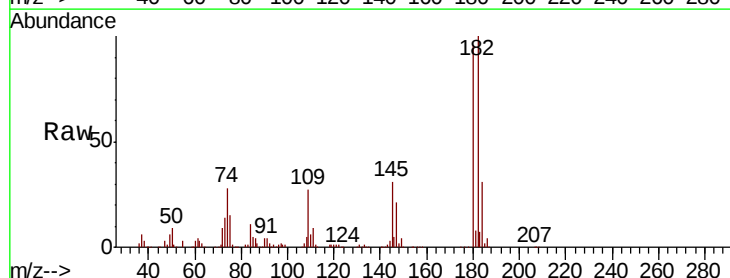
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02528

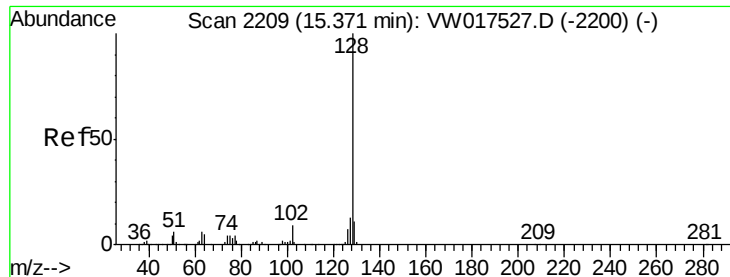
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	77.0	115.6
184	30.6	24.2	36.4
145	31.0	23.5	35.3



#68
 1,2,4-trichlorobenzene
 Concen: 23.122 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW017544.D
 Acq: 04 Dec 2020 09:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	71.3	106.9
145	31.1	24.0	36.0





#69

Naphthalene

Concen: 23.474 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW017544.D

Acq: 04 Dec 2020 09:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD02528

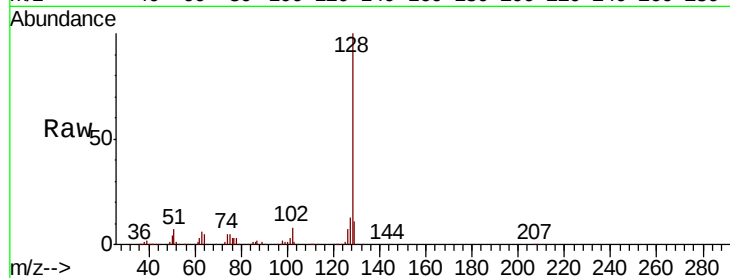
Tot Ion:128 Resp: 273246

Ion Ratio Lower Upper

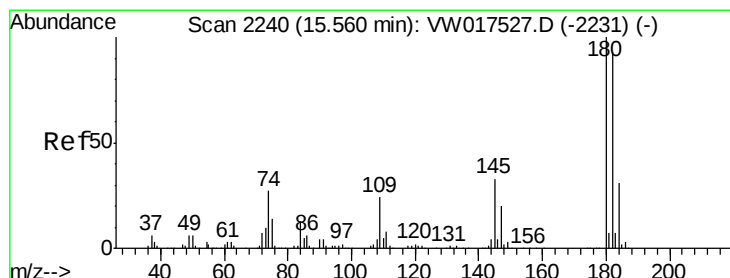
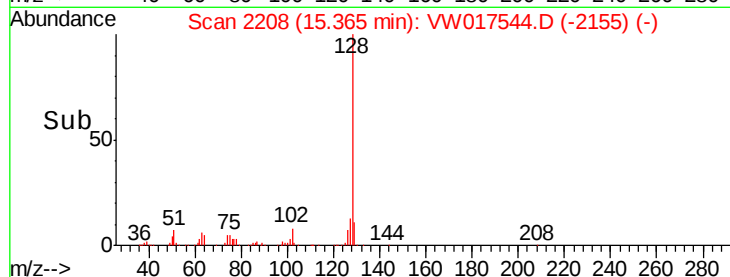
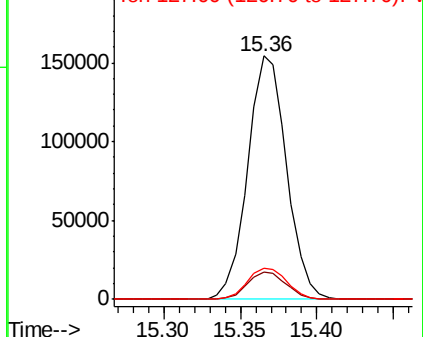
128 100

129 11.2 8.7 13.1

127 13.3 10.7 16.1



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



#70

1,2,3-Trichlorobenzene

Concen: 24.215 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW017544.D

Acq: 04 Dec 2020 09:56

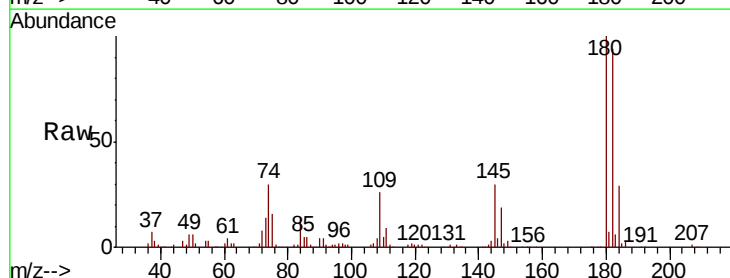
Tgt Ion:180 Resp: 150455

Ion Ratio Lower Upper

180 100

182 94.9 74.7 112.1

145 32.3 25.4 38.0



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

