

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061120\
 Data File : VW015594.D
 Acq On : 11 Jun 2020 18:35
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.21G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02528

Quant Time: Jun 12 05:05:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052620S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 12 05:02:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	319977	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	294082	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	139796	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	63039	21.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.00%
7) Chloroethane-d5	2.89	69	74685	25.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.44%
10) 1,1-Dichloroethene-d2	4.02	63	159542	22.33	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	89.32%
20) 2-Butanone-d5	7.09	46	42342	44.23	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.46%
24) Chloroform-d	7.65	84	180528	24.40	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.60%
26) 1,2-Dichloroethane-d4	8.31	65	98750	23.99	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.96%
29) Benzene-d6	8.27	84	344767	23.90	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.60%
33) 1,2-Dichloropropane-d6	9.27	67	102777	23.45	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.80%
37) Toluene-d8	10.32	98	324371	23.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.52%
38) trans-1,3-Dichloropropene-	10.58	79	41497	20.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	81.88%
39) 2-Hexanone-d5	10.93	63	36239	47.76	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.52%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	79984	24.24	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.96%
61) 1,2-Dichlorobenzene-d4	13.85	152	111661	23.83	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.32%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	59419	21.020	ug/L 98
3) Chloromethane	2.21	50	65190	20.949	ug/L 99
5) Vinyl chloride	2.36	62	116655	24.928	ug/L 97
6) Bromomethane	2.78	94	77708	25.548	ug/L 100
8) Chloroethane	2.93	64	74395	26.116	ug/L 96
9) Trichlorofluoromethane	3.26	101	77387	23.237	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	98291	24.885	ug/L 99
12) 1,1-Dichloroethene	4.04	96	92156	24.154	ug/L 90
13) Acetone	4.15	43	30781	41.591	ug/L 100
14) Carbon disulfide	4.38	76	267952	21.051	ug/L 100
15) Methyl Acetate	4.68	43	35506	22.175	ug/L 99
16) Methylene chloride	4.91	84	102709	26.154	ug/L 97
17) Methyl tert-butyl Ether	5.43	73	140100	23.139	ug/L 100
18) trans-1,2-Dichloroethene	5.42	96	101291	24.772	ug/L 96
19) 1,1-Dichloroethane	6.22	63	186695	25.385	ug/L 99
21) 2-Butanone	7.18	43	47665	41.925	ug/L 99
22) cis-1,2-Dichloroethene	7.17	96	106861	25.053	ug/L 95

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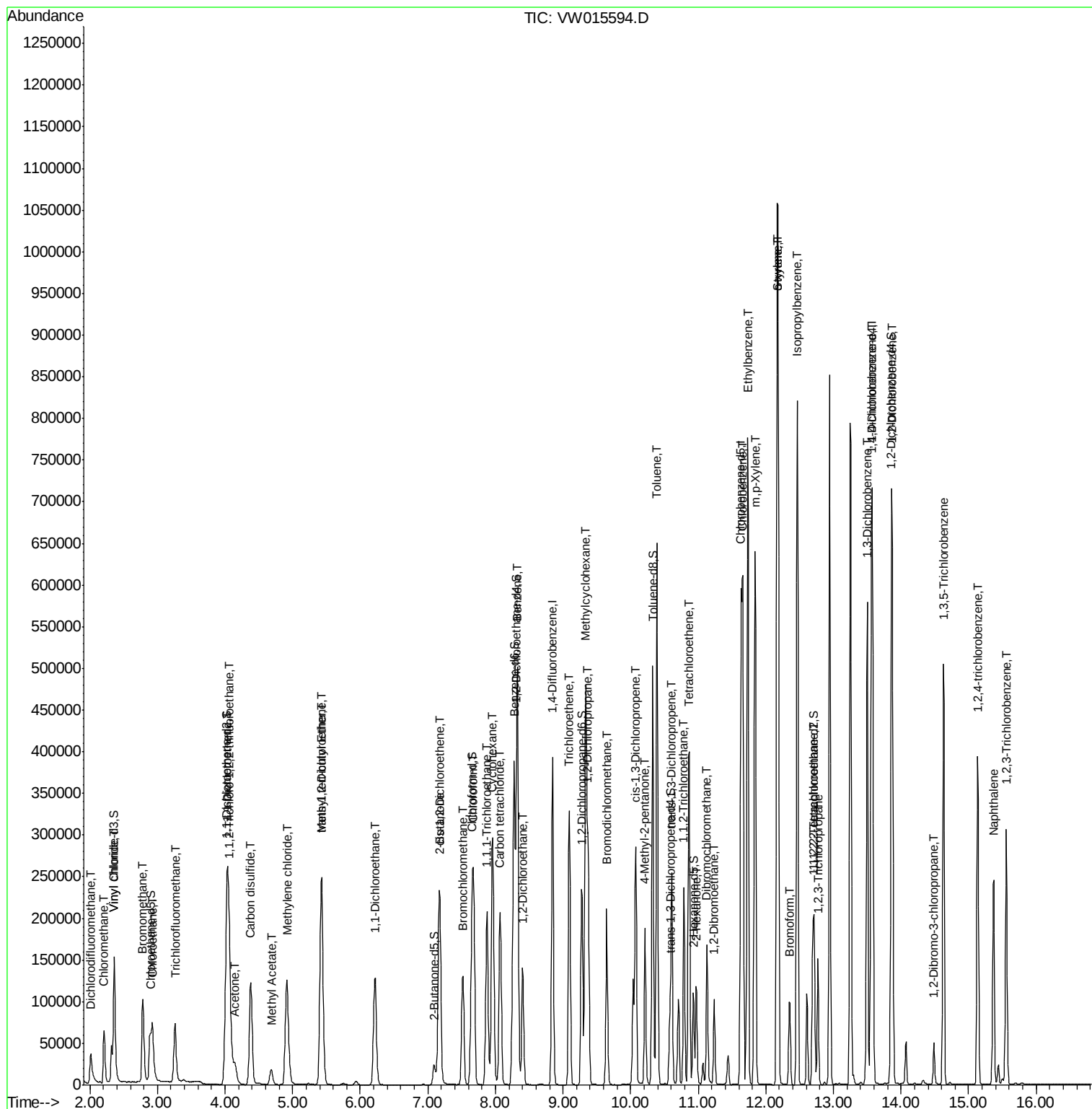
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	45347	24.654	ug/L	96
25) Chloroform	7.68	83	192772	26.031	ug/L	100
27) 1,2-Dichloroethane	8.40	62	129095	25.769	ug/L	100
30) Cyclohexane	7.96	56	168032	23.115	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	166090	25.245	ug/L	100
32) Carbon tetrachloride	8.07	117	150410	24.926	ug/L	100
34) Benzene	8.32	78	425538	25.875	ug/L	100
35) Trichloroethene	9.09	95	111993	25.352	ug/L	98
36) Methylcyclohexane	9.34	83	192952	24.490	ug/L	100
40) 1,2-Dichloropropane	9.37	63	103442	25.541	ug/L	99
41) Bromodichloromethane	9.65	83	135754	25.091	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	158729	24.492	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	118467	49.901	ug/L	99
44) Toluene	10.39	91	465697	25.991	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	133870	23.736	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	71621	25.277	ug/L	98
47) Tetrachloroethene	10.87	164	88963	25.405	ug/L	98
49) 2-Hexanone	10.97	43	75482	47.104	ug/L	100
50) Dibromochloromethane	11.13	129	85662	24.884	ug/L	98
51) 1,2-Dibromoethane	11.24	107	66916	24.600	ug/L	96
52) Chlorobenzene	11.66	112	290792	25.874	ug/L	98
53) Ethylbenzene	11.73	91	527572	25.642	ug/L	100
54) m,p-Xylene	11.84	106	197870	25.630	ug/L	96
55) o-xylene	12.17	106	188948	25.784	ug/L	100
56) Styrene	12.18	104	322557	25.760	ug/L	99
57) Isopropylbenzene	12.46	105	528227	25.876	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	82628	25.189	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	60940	24.501	ug/L	100
62) Bromoform	12.35	173	45003	23.105	ug/L	97
63) 1,3-Dichlorobenzene	13.50	146	223511	26.128	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	217736	25.977	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	195923	26.356	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	12306	21.822	ug/L	92
67) 1,3,5-Trichlorobenzene	14.63	180	149454	25.235	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	118783	24.902	ug/L	99
69) Naphthalene	15.37	128	208664	24.092	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	102576	25.277	ug/L	98

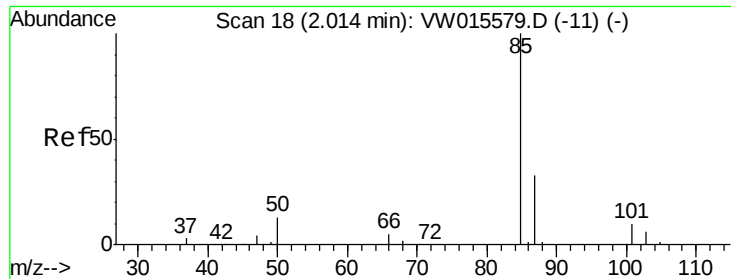
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 21.020 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW015594.D

Acq: 11 Jun 2020 18:35

Instrument :

MSVOA_W

ClientSampleId :

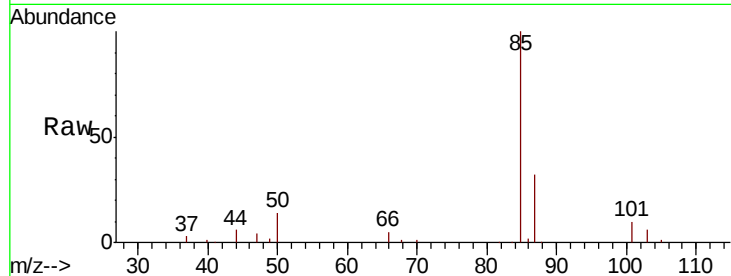
VSTD02528

Tot Ion: 85 Resp: 59419

Ion Ratio Lower Upper

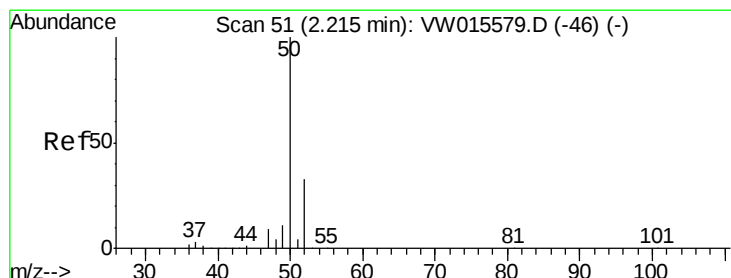
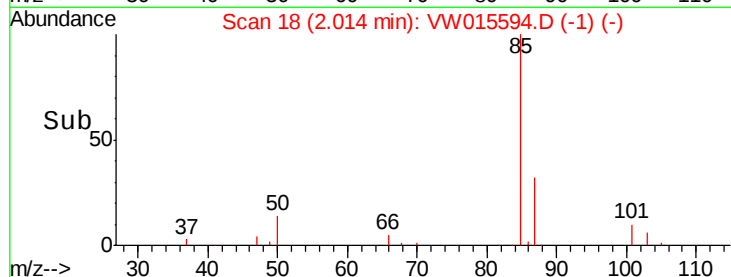
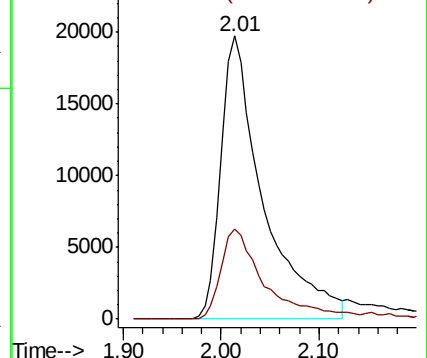
85 100

87 31.4 21.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 20.949 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW015594.D

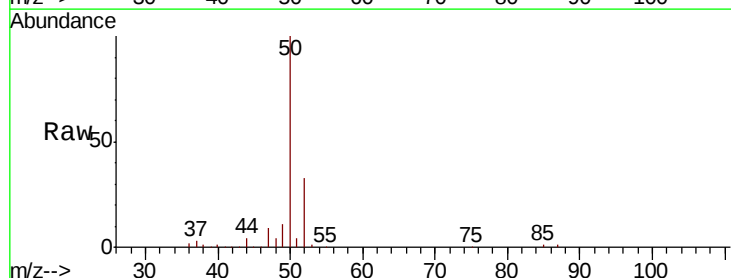
Acq: 11 Jun 2020 18:35

Tgt Ion: 50 Resp: 65190

Ion Ratio Lower Upper

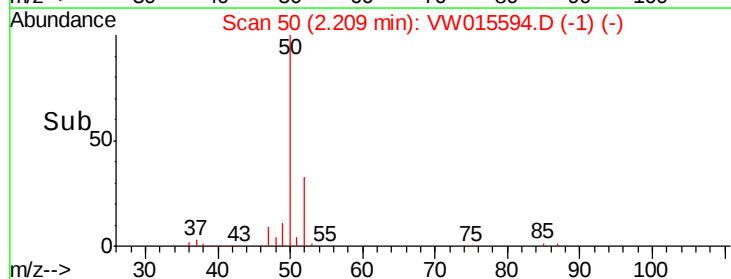
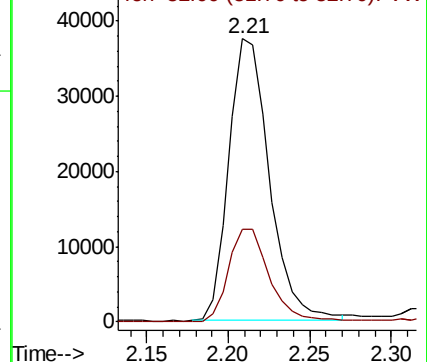
50 100

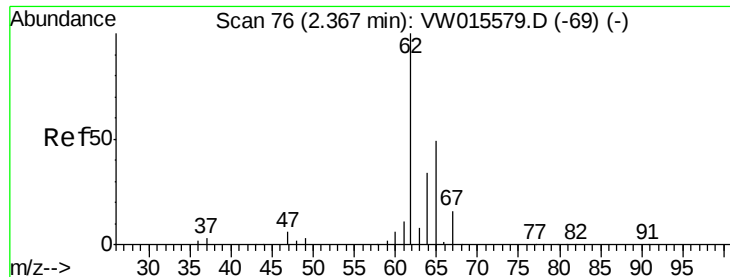
52 32.7 23.3 43.3



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 24.928 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW015594.D

Acq: 11 Jun 2020 18:35

Instrument :

MSVOA_W

ClientSampleId :

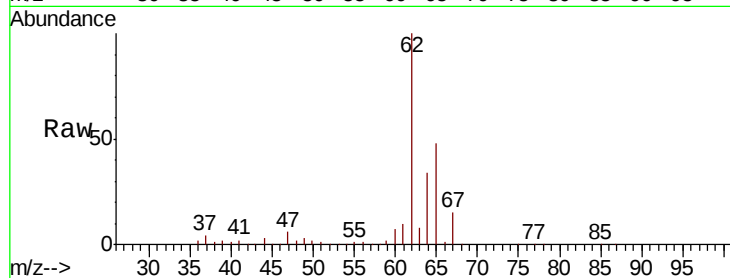
VSTD02528

Tot Ion: 62 Resp: 116655

Ion Ratio Lower Upper

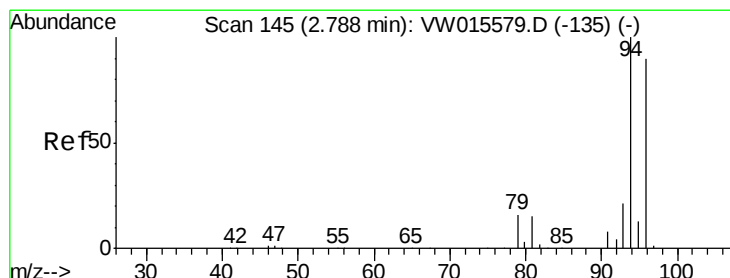
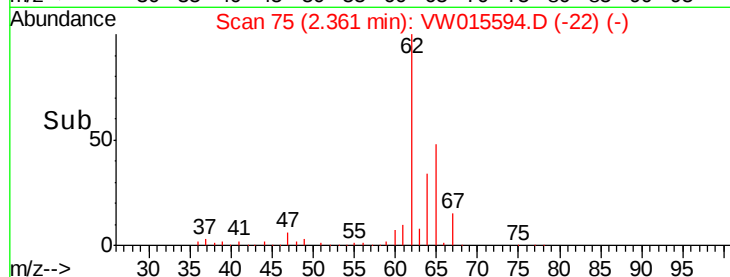
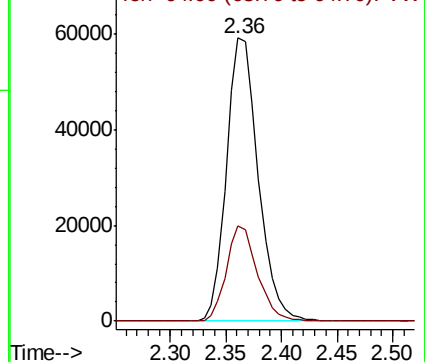
62 100

64 33.7 22.6 42.0



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#6

Bromomethane

Concen: 25.548 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW015594.D

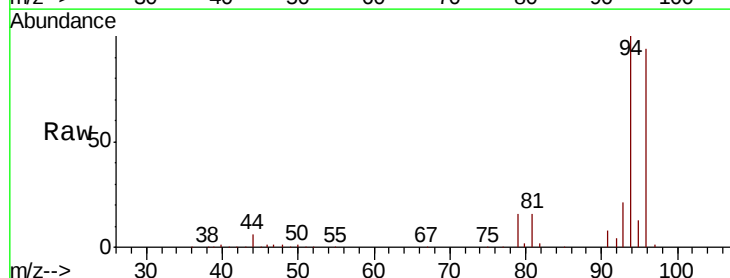
Acq: 11 Jun 2020 18:35

Tgt Ion: 94 Resp: 77708

Ion Ratio Lower Upper

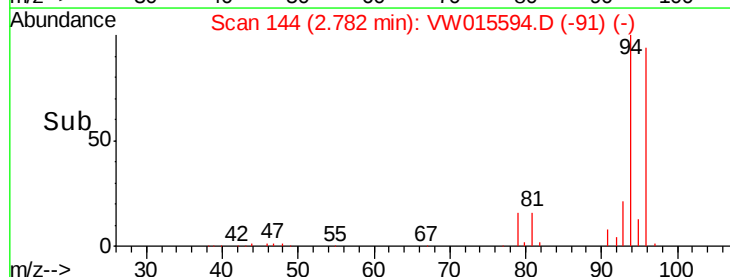
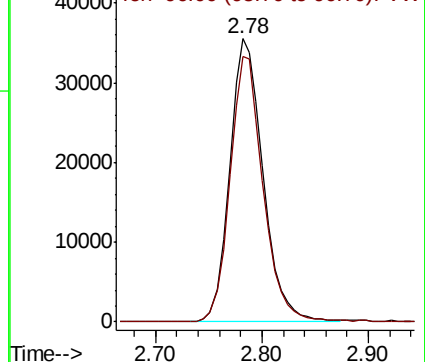
94 100

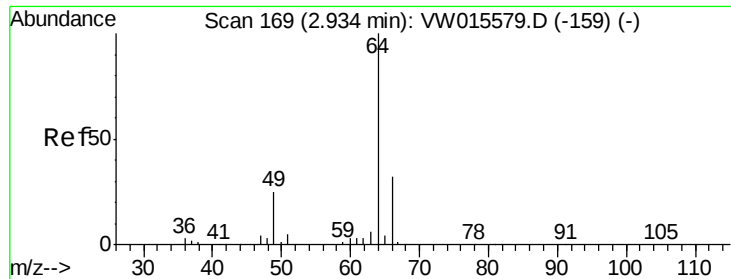
96 93.1 9.3 177.5



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW





#8

Chloroethane

Concen: 26.116 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW015594.D

Acq: 11 Jun 2020 18:35

Instrument :

MSVOA_W

ClientSampleId :

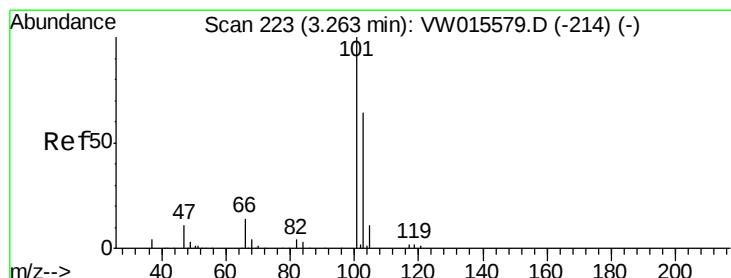
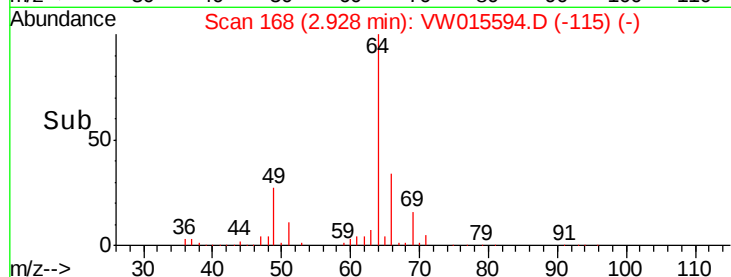
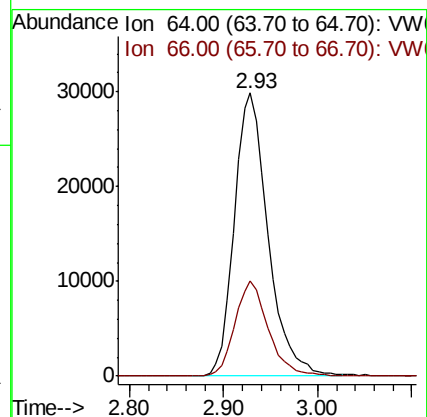
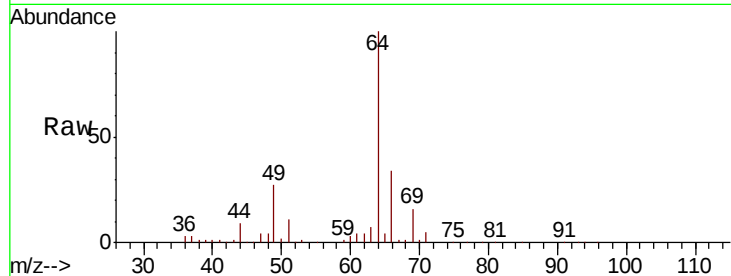
VSTD02528

Tot Ion: 64 Resp: 74395

Ion Ratio Lower Upper

64 100

66 33.7 22.0 40.8



#9

Trichlorofluoromethane

Concen: 23.237 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.00 min

Lab File: VW015594.D

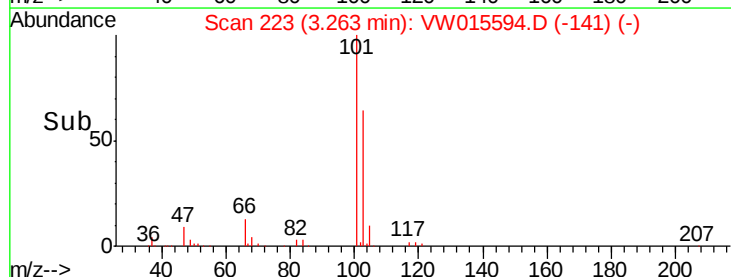
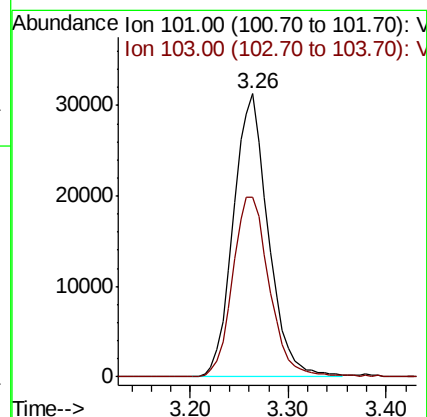
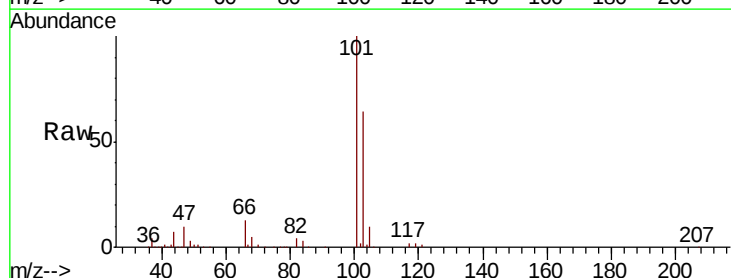
Acq: 11 Jun 2020 18:35

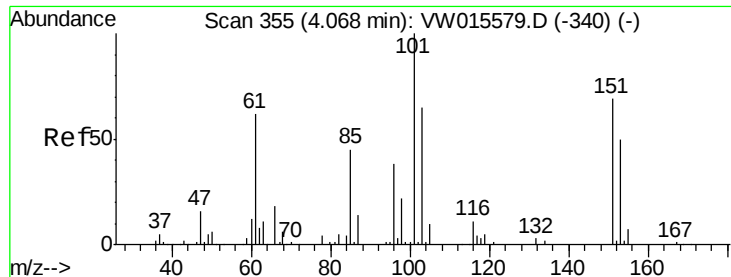
Tgt Ion:101 Resp: 77387

Ion Ratio Lower Upper

101 100

103 66.9 46.6 86.6





#11

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

Concen: 24.885 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW015594.D

Acq: 11 Jun 2020 18:35

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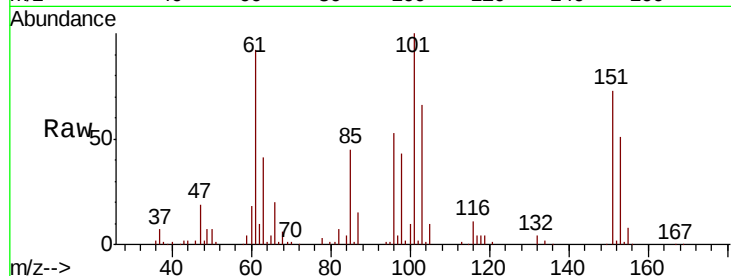
Tot Ion:101 Resp: 98291

Ion Ratio Lower Upper

101 100

85 44.6 35.1 52.7

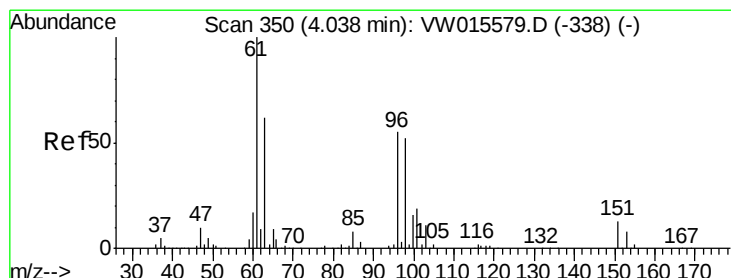
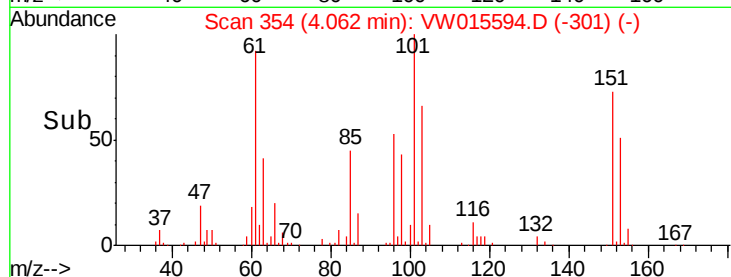
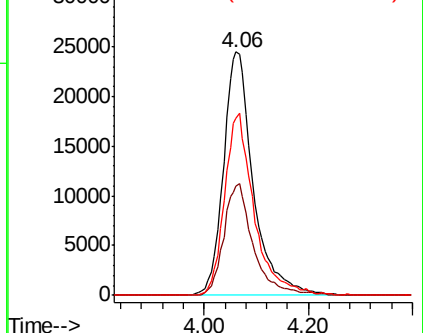
151 72.8 58.6 87.8



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: 24.154 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW015594.D

Acq: 11 Jun 2020 18:35

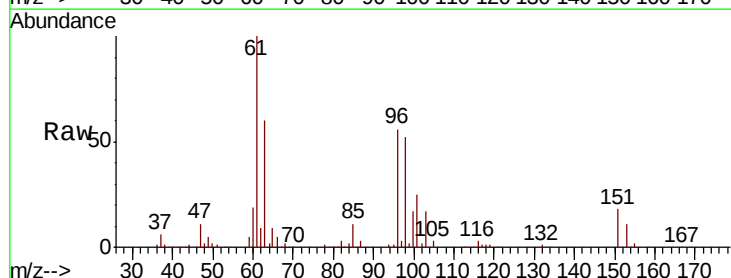
Tgt Ion: 96 Resp: 92156

Ion Ratio Lower Upper

96 100

61 178.8 127.7 237.1

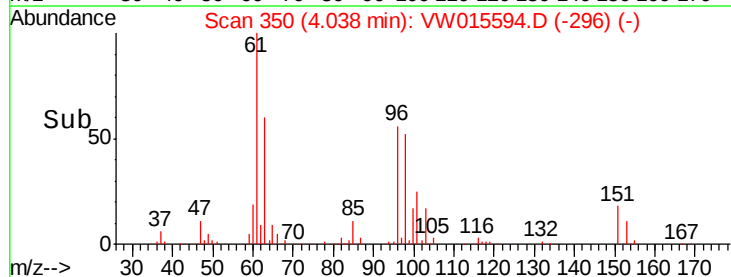
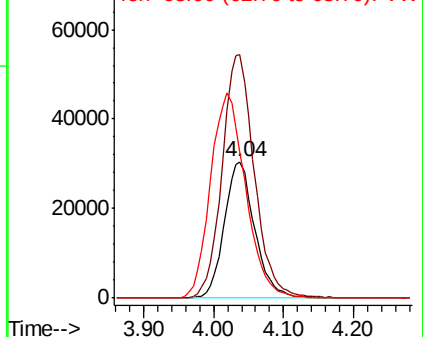
63 107.8 92.3 171.5

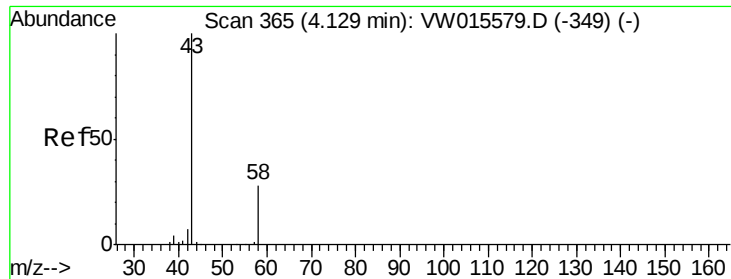


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 41.591 ug/L

RT: 4.15 min Scan# 368

Delta R.T. 0.02 min

Lab File: VW015594.D

Acq: 11 Jun 2020 18:35

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ClientSampleId :

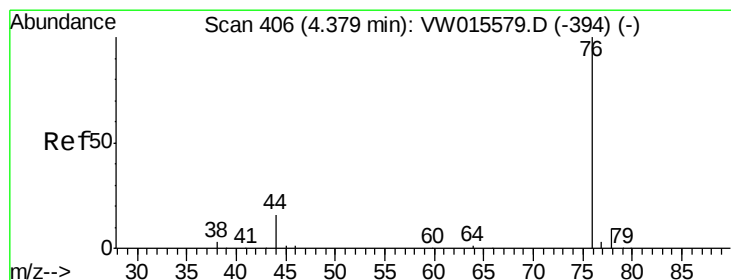
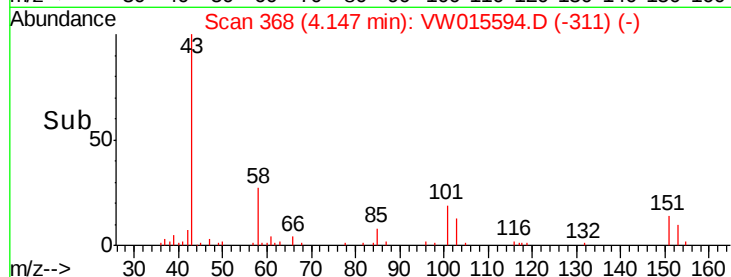
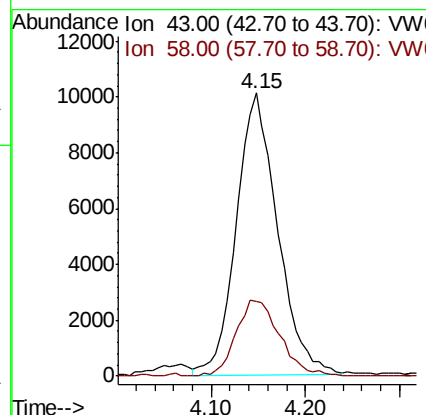
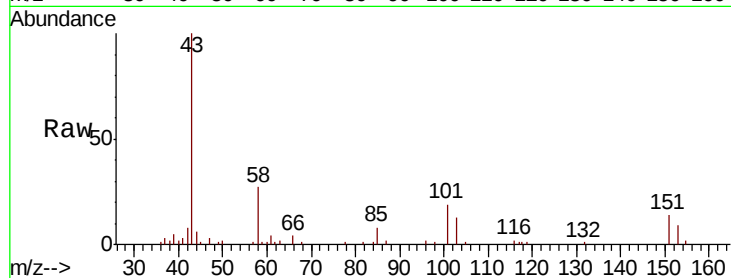
VSTD02528

Tot Ion: 43 Resp: 30781

Ion Ratio Lower Upper

43 100

58 28.1 0.0 56.8



#14

Carbon disulfide

Concen: 21.051 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW015594.D

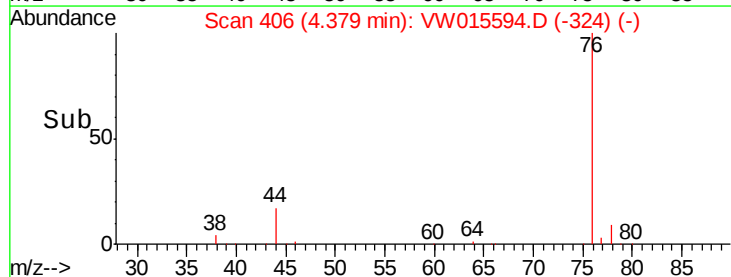
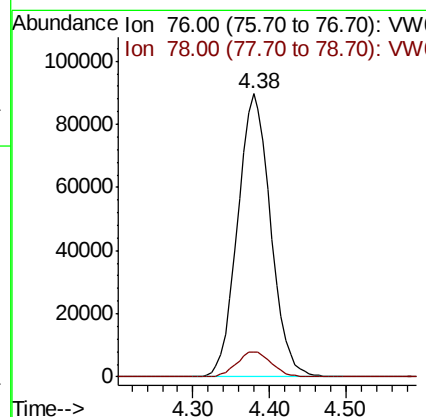
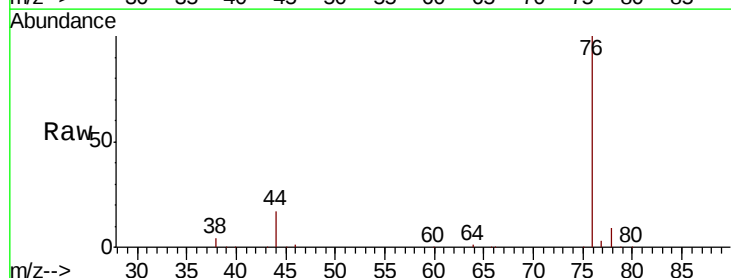
Acq: 11 Jun 2020 18:35

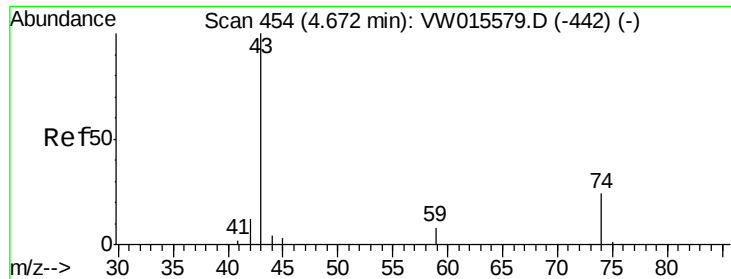
Tgt Ion: 76 Resp: 267952

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9

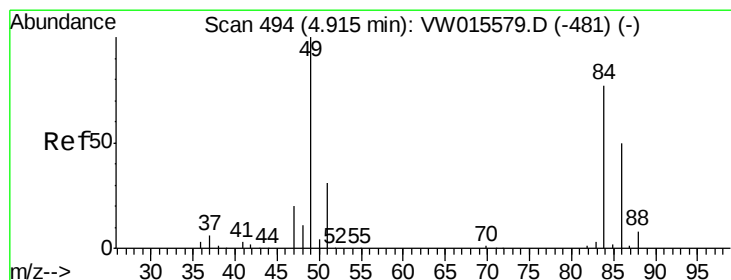
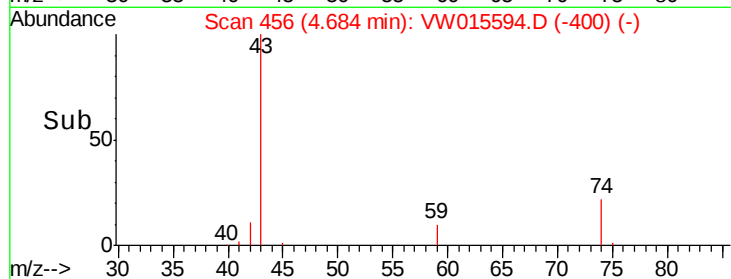
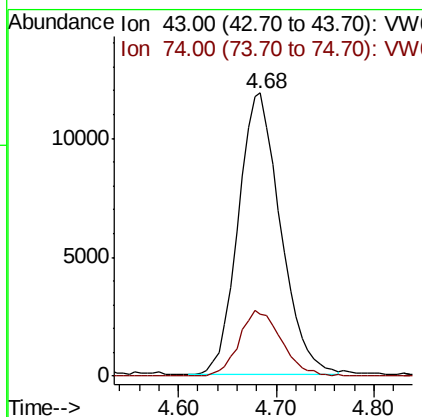
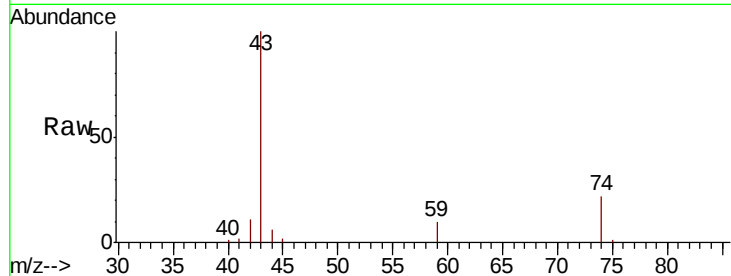




#15
Methvl Acetate
Concen: 22.175 ug/L
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW015594.D
Acq: 11 Jun 2020 18:35

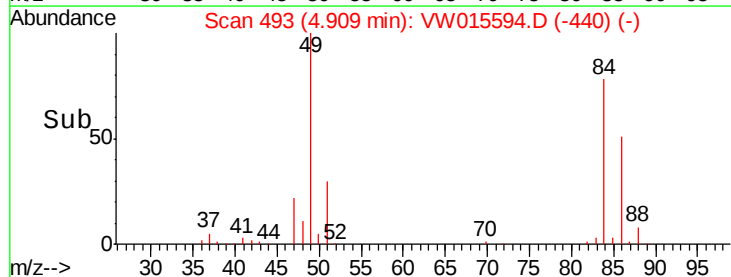
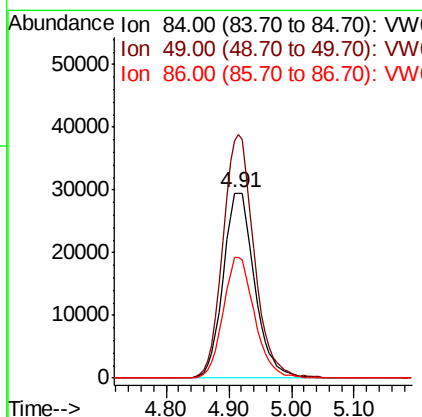
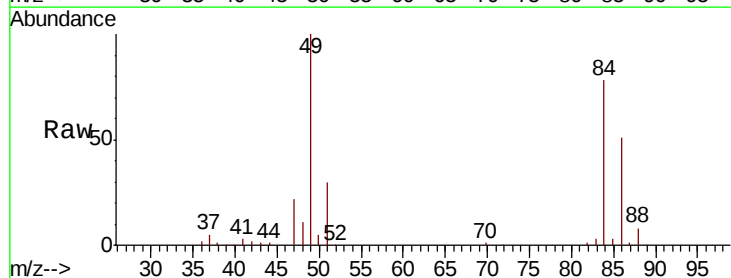
Instrument :
MSVOA_W
ClientSampled :
VSTD02528

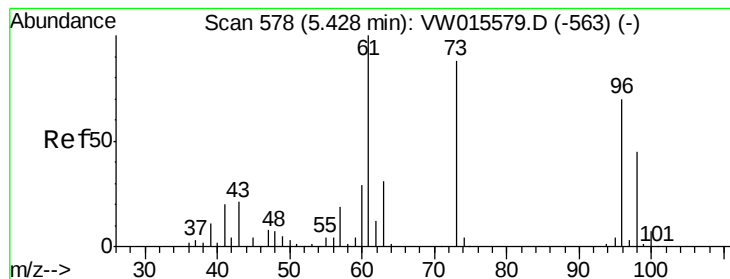
Tot Ion: 43 Resp: 35506
Ion Ratio Lower Upper
43 100
74 23.3 18.2 27.2



#16
Methylene chloride
Concen: 26.154 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW015594.D
Acq: 11 Jun 2020 18:35

Tgt Ion: 84 Resp: 102709
Ion Ratio Lower Upper
84 100
49 128.5 93.0 172.8
86 65.5 44.7 83.1



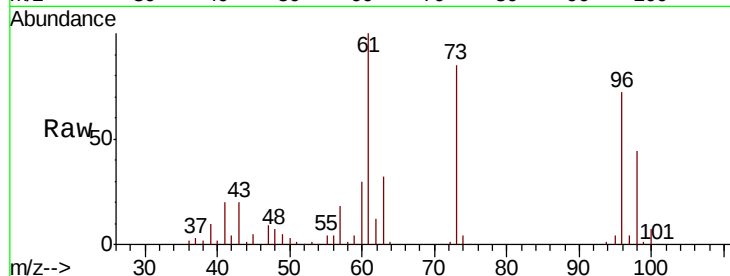


#17

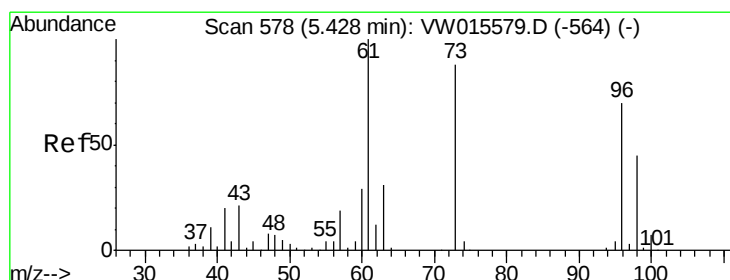
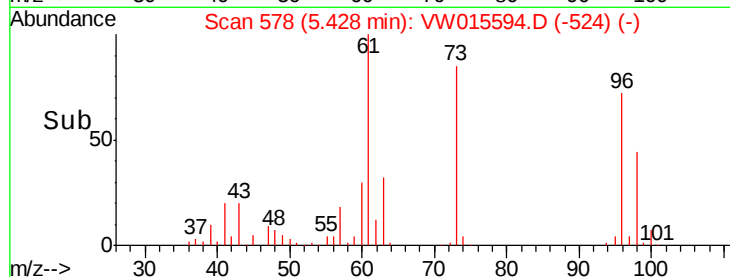
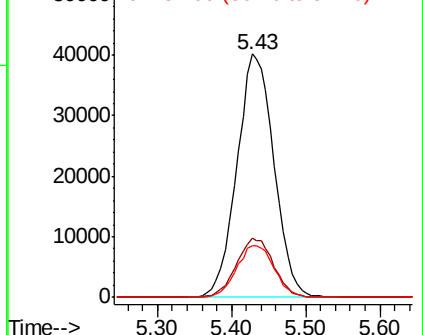
Methyl tert-butyl Ether
 Concen: 23.139 ug/L
 RT: 5.43 min Scan# 578
 Delta R.T. 0.00 min
 Lab File: VW015594.D
 Acq: 11 Jun 2020 18:35

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTD02528

Tot Ion: 73 Resp: 140100
 Ion Ratio Lower Upper
 73 100
 43 24.4 19.6 29.4
 57 21.8 17.7 26.5



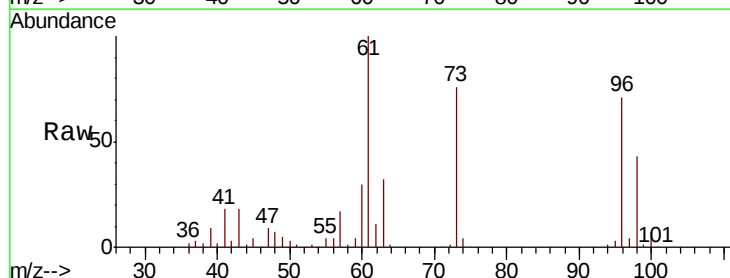
Abundance Ion 73.00 (72.70 to 73.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 57.00 (56.70 to 57.70): VW



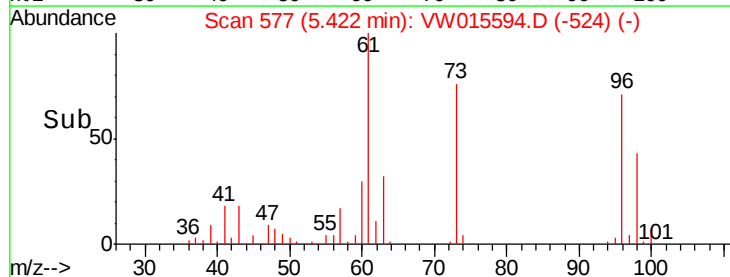
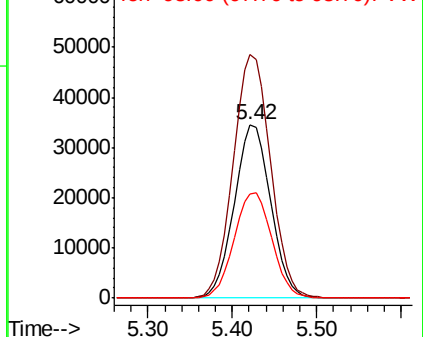
#18

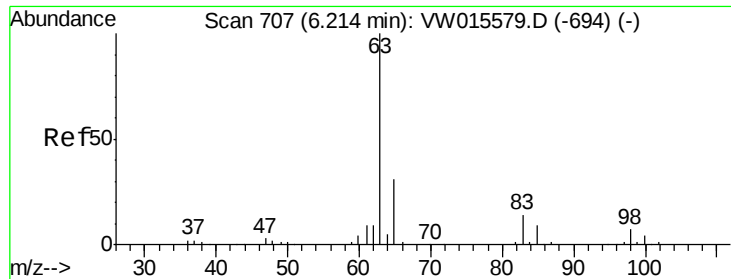
trans-1,2-Dichloroethene
 Concen: 24.772 ug/L
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW015594.D
 Acq: 11 Jun 2020 18:35

Tgt Ion: 96 Resp: 101291
 Ion Ratio Lower Upper
 96 100
 61 140.6 101.9 189.3
 98 60.2 44.9 83.5



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

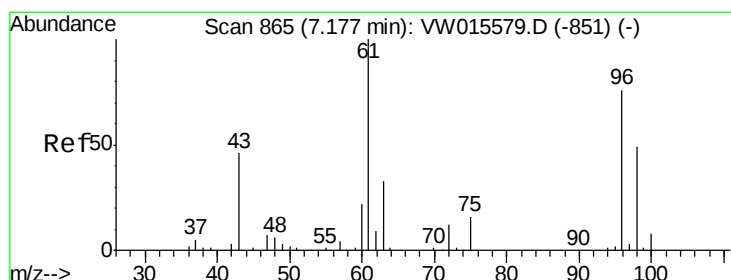
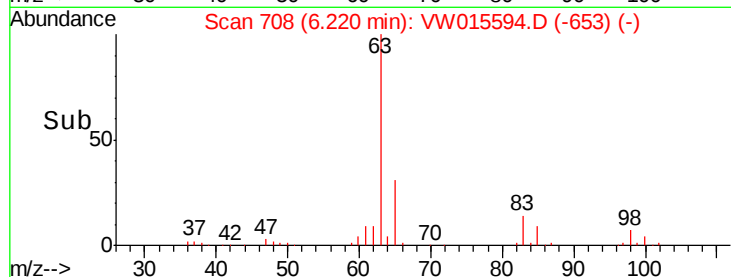
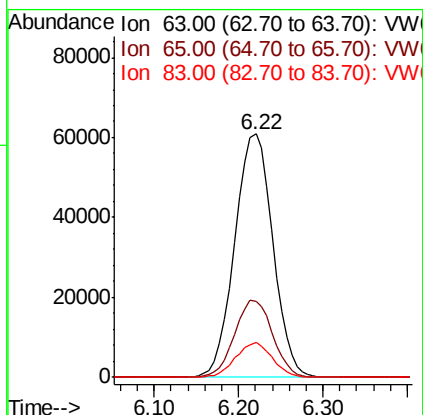
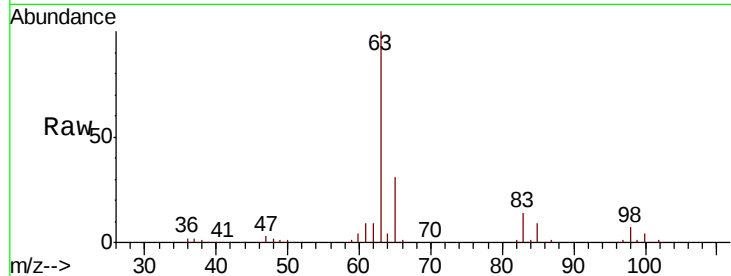




#19
 1,1-Dichloroethane
 Concen: 25.385 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. 0.01 min
 Lab File: VW015594.D
 Acq: 11 Jun 2020 18:35

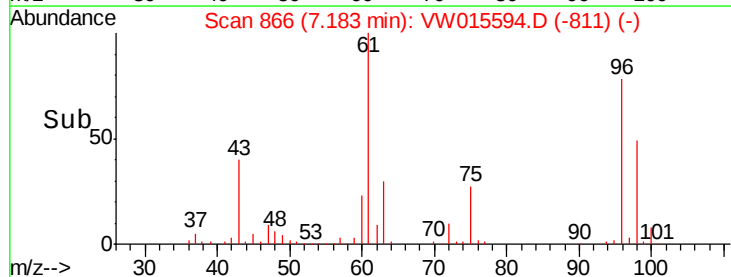
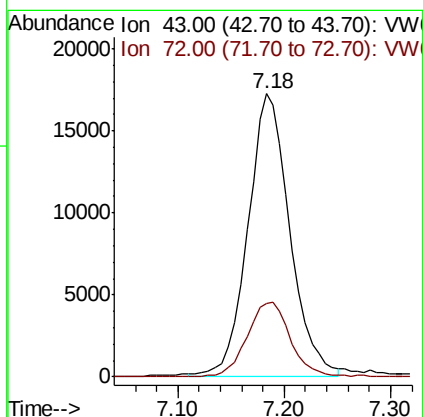
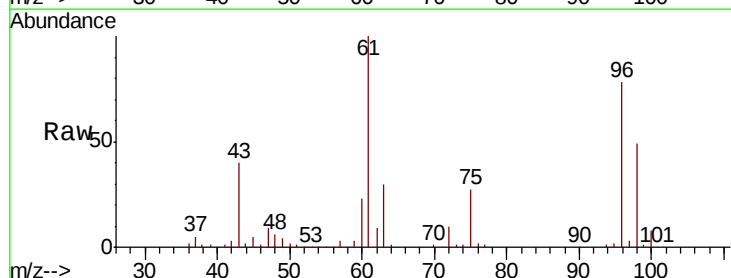
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02528

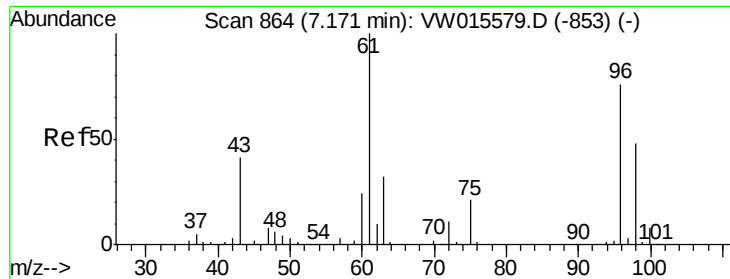
Tot Ion: 63 Resp: 186695
 Ion Ratio Lower Upper
 63 100
 65 31.2 22.1 41.1
 83 14.3 9.7 17.9



#21
 2-Butanone
 Concen: 41.925 ug/L
 RT: 7.18 min Scan# 866
 Delta R.T. 0.01 min
 Lab File: VW015594.D
 Acq: 11 Jun 2020 18:35

Tgt Ion: 43 Resp: 47665
 Ion Ratio Lower Upper
 43 100
 72 27.2 13.3 39.9



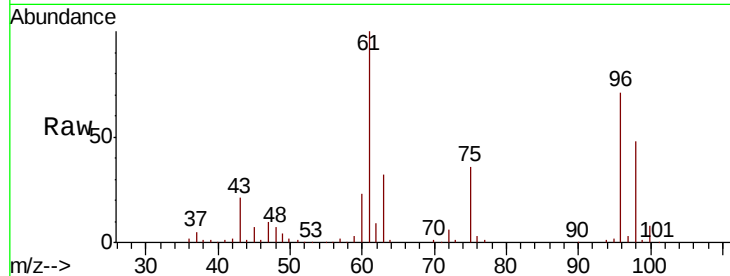


#22

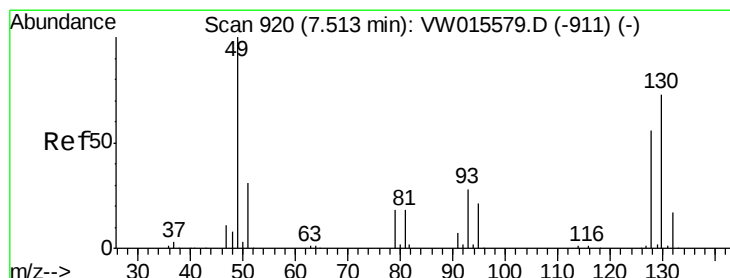
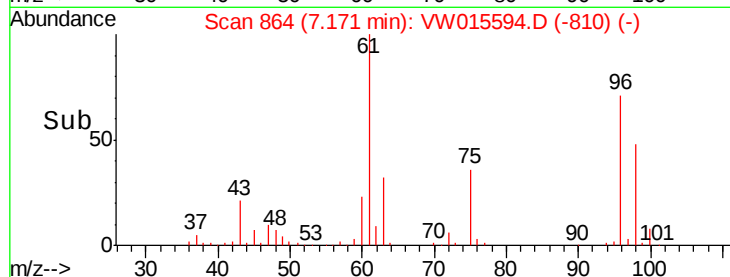
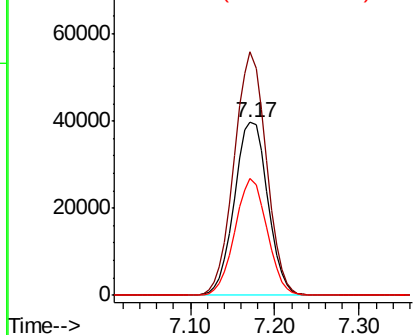
cis-1,2-Dichloroethene
Concen: 25.053 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW015594.D
Acq: 11 Jun 2020 18:35

Instrument :
MSVOA_W
ClientSampleId :
VSTD02528

Tot Ion: 96 Resp: 106861
Ion Ratio Lower Upper
96 100
61 140.9 93.7 173.9
98 67.7 45.1 83.9



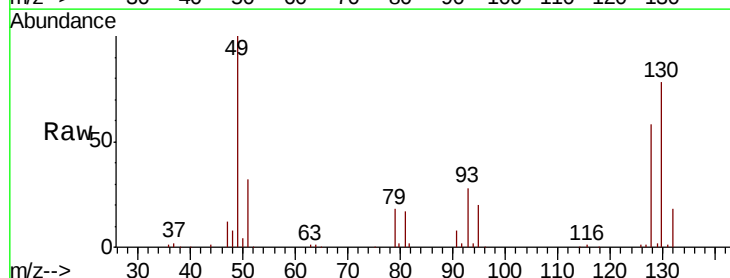
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



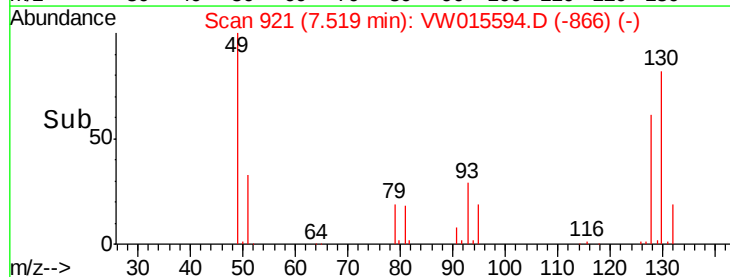
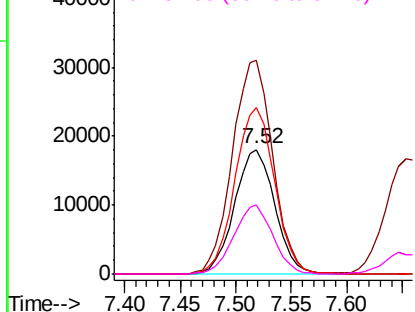
#23

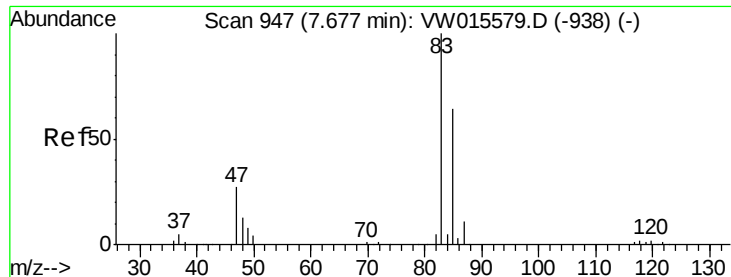
Bromochloromethane
Concen: 24.654 ug/L
RT: 7.52 min Scan# 921
Delta R.T. 0.01 min
Lab File: VW015594.D
Acq: 11 Jun 2020 18:35

Tgt Ion: 128 Resp: 45347
Ion Ratio Lower Upper
128 100
49 172.0 118.1 219.3
130 133.7 88.5 164.3
51 55.8 42.8 64.2



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

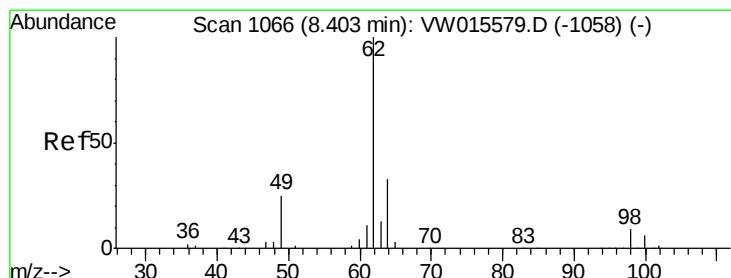
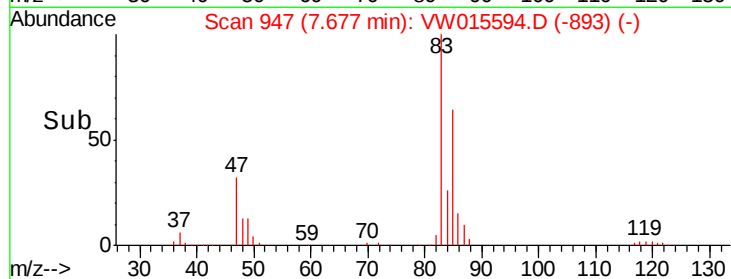
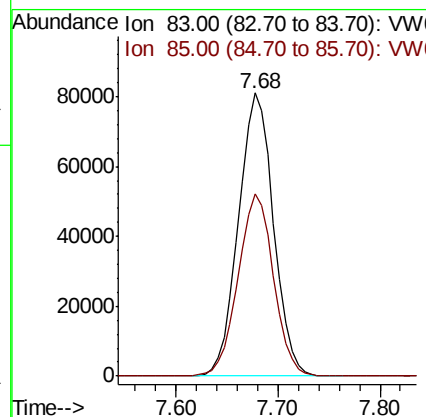
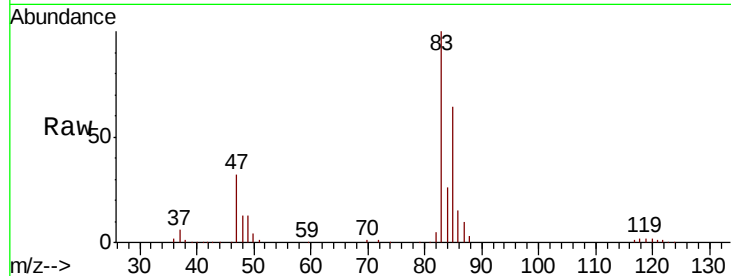




#25
Chloroform
Concen: 26.031 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW015594.D
Acq: 11 Jun 2020 18:35

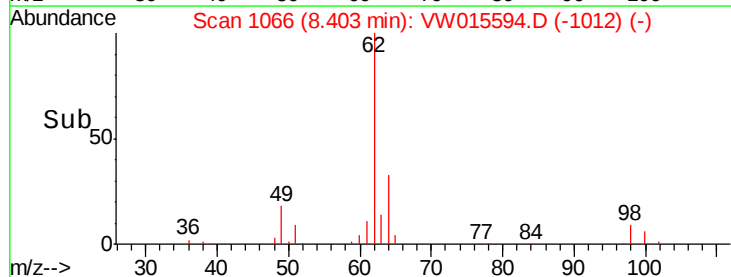
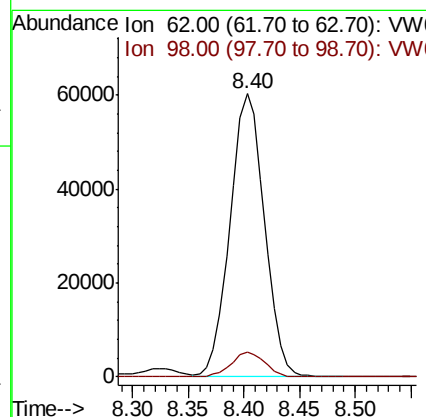
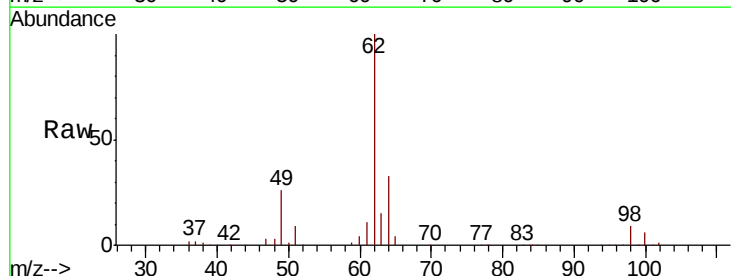
Instrument :
MSVOA_W
ClientSampleId :
VSTD02528

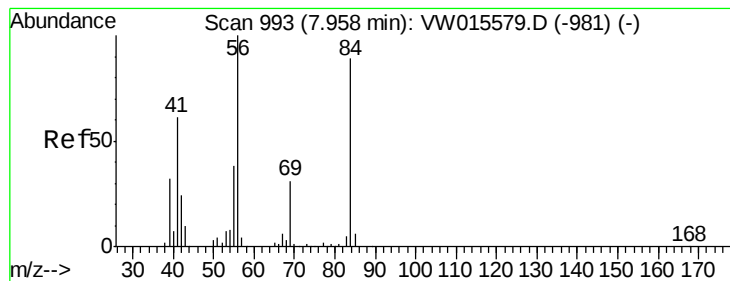
Tot Ion: 83 Resp: 192772
Ion Ratio Lower Upper
83 100
85 65.2 45.7 84.9



#27
1,2-Dichloroethane
Concen: 25.769 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW015594.D
Acq: 11 Jun 2020 18:35

Tgt Ion: 62 Resp: 129095
Ion Ratio Lower Upper
62 100
98 8.7 7.0 10.4





#30

Cyclohexane

Concen: 23.115 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW015594.D

Acq: 11 Jun 2020 18:35

Instrument :

MSVOA_W

ClientSampled :

VSTD02528

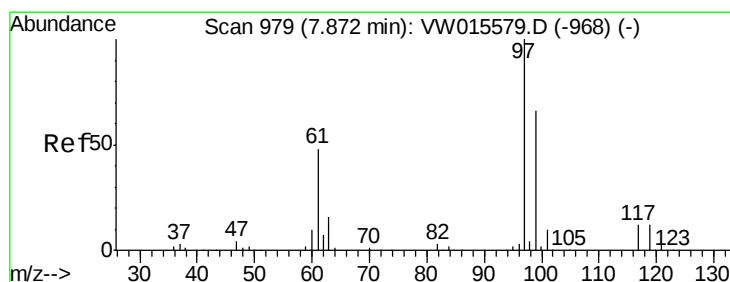
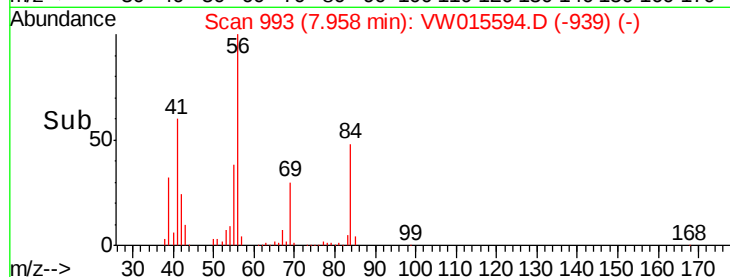
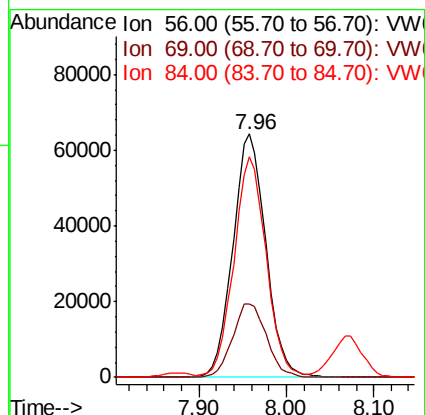
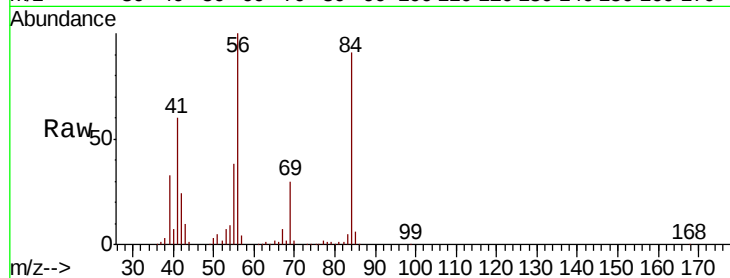
Tot Ion: 56 Resp: 168032

Ion Ratio Lower Upper

56 100

69 31.2 24.6 37.0

84 88.9 69.6 104.4



#31

1,1,1-Trichloroethane

Concen: 25.245 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW015594.D

Acq: 11 Jun 2020 18:35

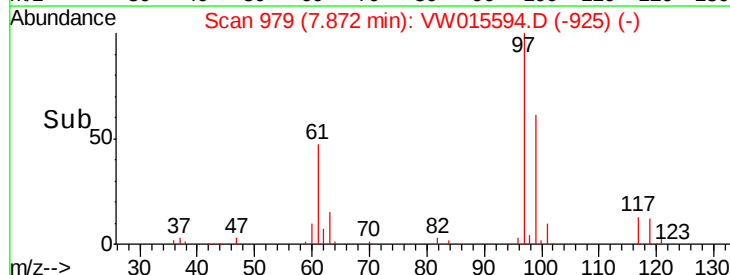
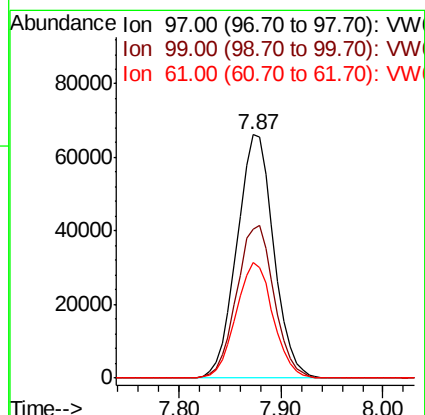
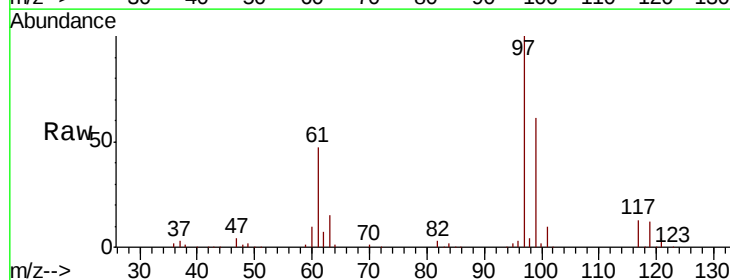
Tgt Ion: 97 Resp: 166090

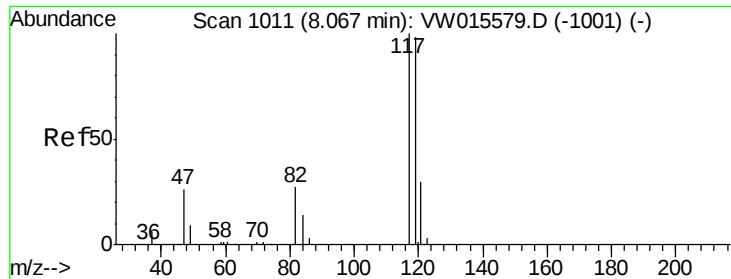
Ion Ratio Lower Upper

97 100

99 63.9 51.4 77.0

61 47.7 38.1 57.1





#32

Carbon tetrachloride

Concen: 24.926 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW015594.D

Acq: 11 Jun 2020 18:35

Instrument :

MSVOA_W

ClientSampleId :

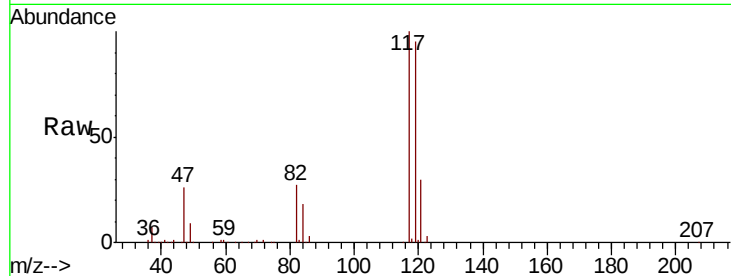
VSTD02528

Tot Ion:117 Resp: 150410

Ion Ratio Lower Upper

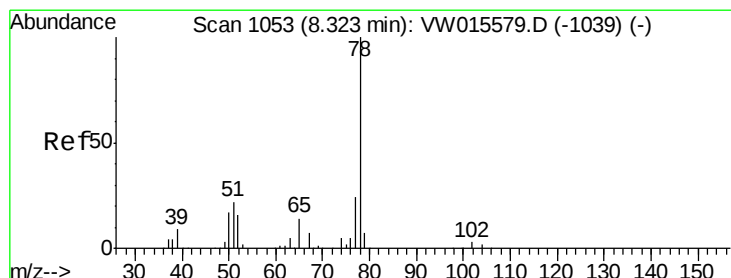
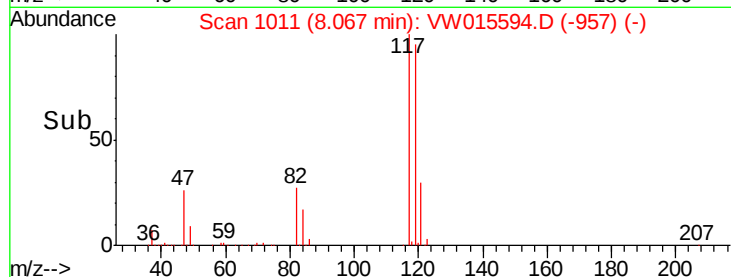
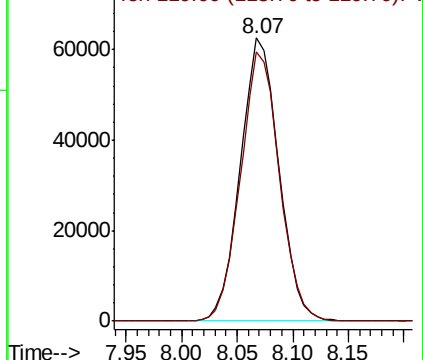
117 100

119 95.9 76.4 114.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.875 ug/L

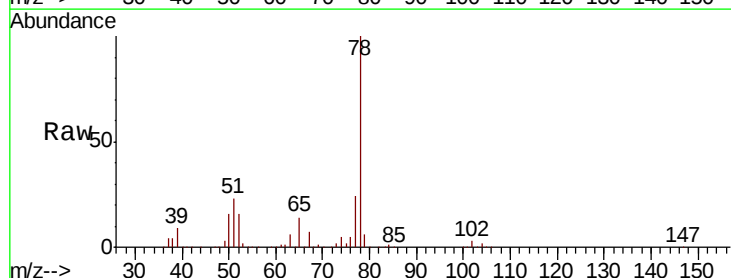
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

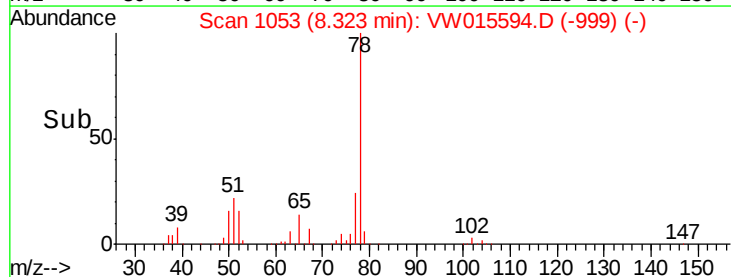
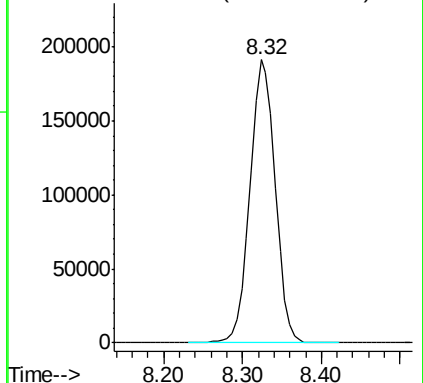
Lab File: VW015594.D

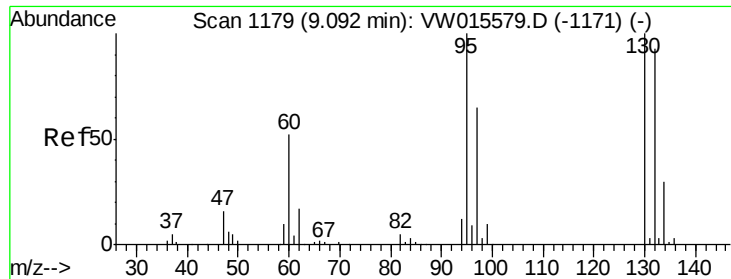
Acq: 11 Jun 2020 18:35

Tgt Ion: 78 Resp: 425538



Abundance Ion 78.00 (77.70 to 78.70): VW

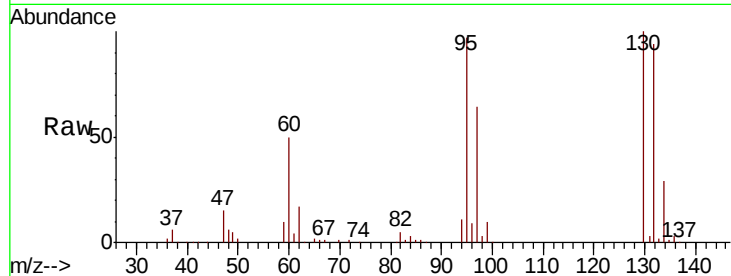




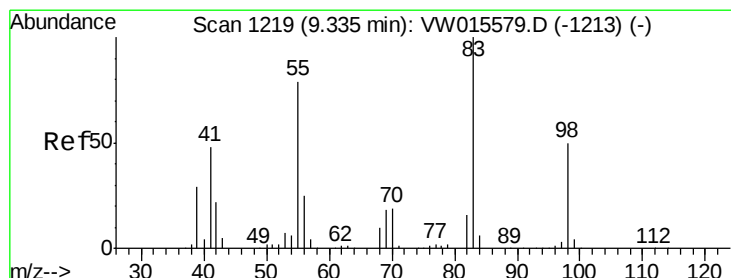
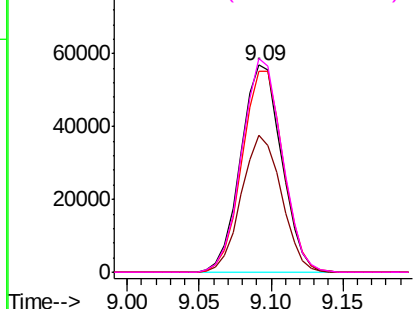
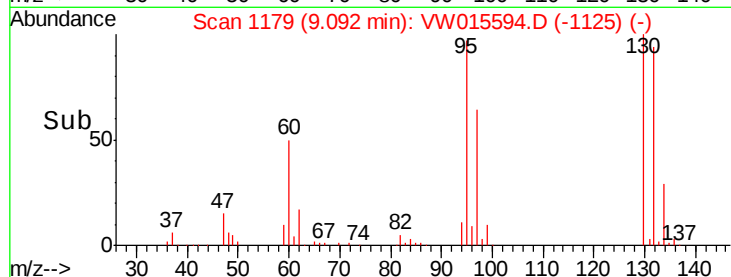
#35
 Trichloroethene
 Concen: 25.352 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW015594.D
 Acq: 11 Jun 2020 18:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02528

Tot Ion: 95 Resp: 111993
 Ion Ratio Lower Upper
 95 100
 97 64.9 45.4 84.2
 132 97.6 67.1 124.7
 130 101.5 69.4 128.8

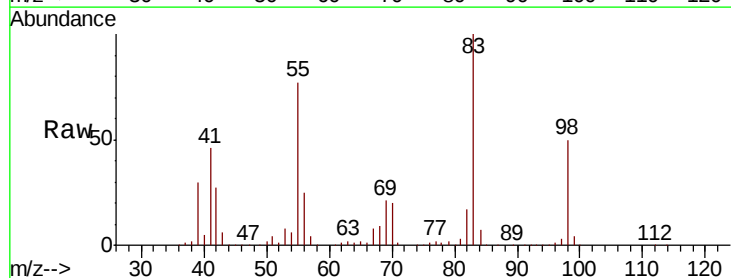


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

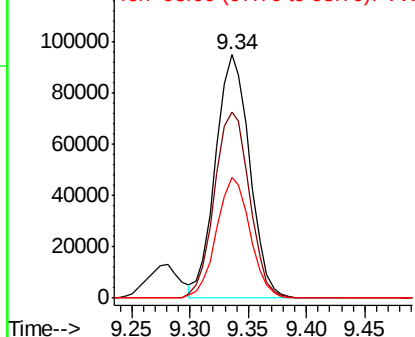
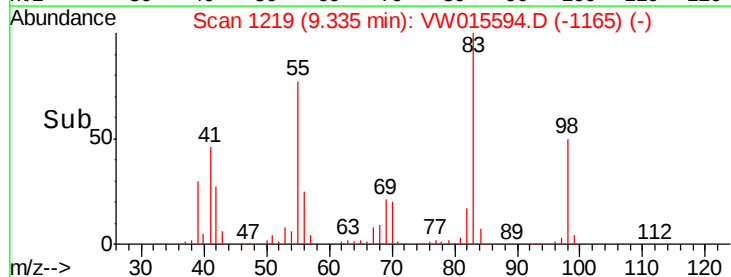


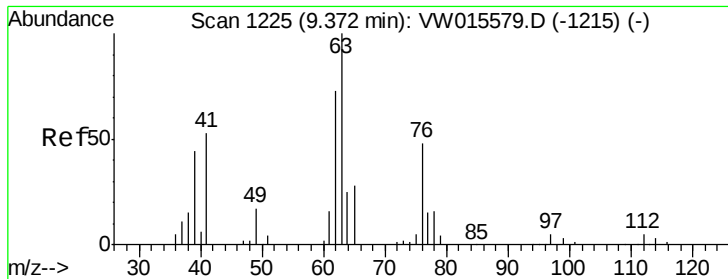
#36
 Methylcyclohexane
 Concen: 24.490 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW015594.D
 Acq: 11 Jun 2020 18:35

Tgt Ion: 83 Resp: 192952
 Ion Ratio Lower Upper
 83 100
 55 78.2 62.8 94.2
 98 48.9 39.2 58.8



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: 25.541 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW015594.D

Acq: 11 Jun 2020 18:35

Instrument :

MSVOA_W

ClientSampleId :

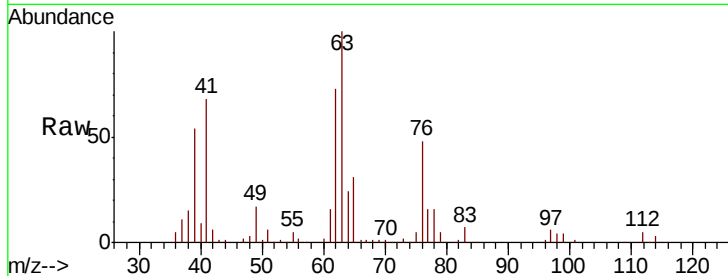
VSTD02528

Tot Ion: 63 Resp: 103442

Ion Ratio Lower Upper

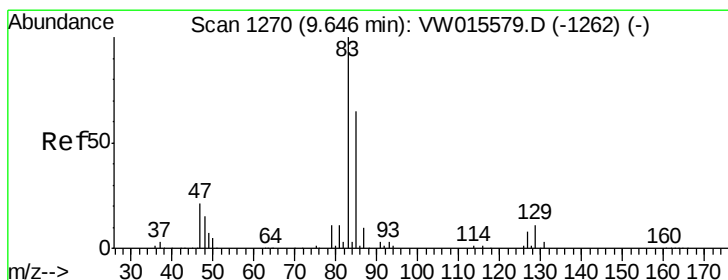
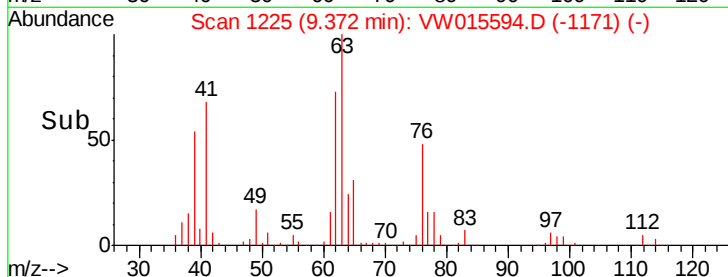
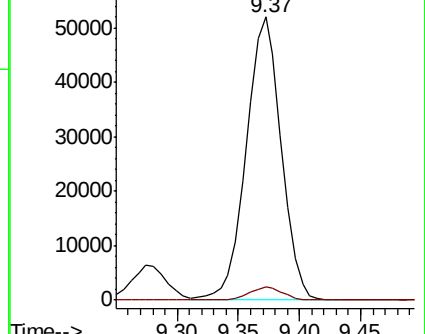
63 100

112 4.5 3.8 5.8



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 25.091 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW015594.D

Acq: 11 Jun 2020 18:35

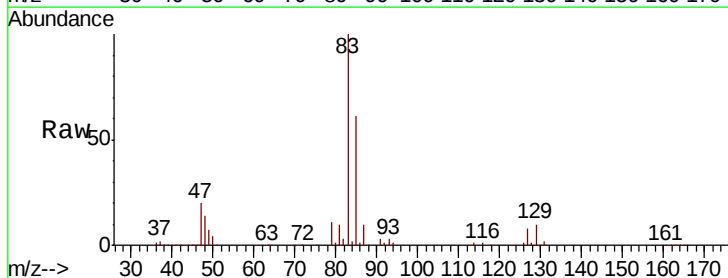
Tgt Ion: 83 Resp: 135754

Ion Ratio Lower Upper

83 100

85 61.5 44.8 83.2

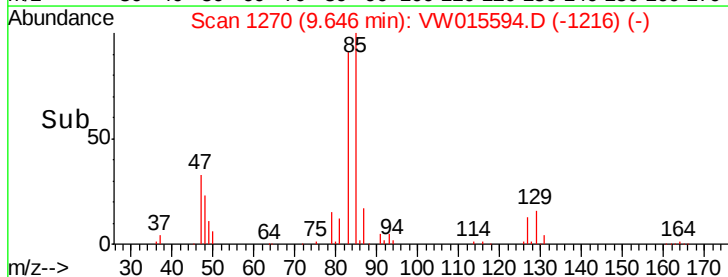
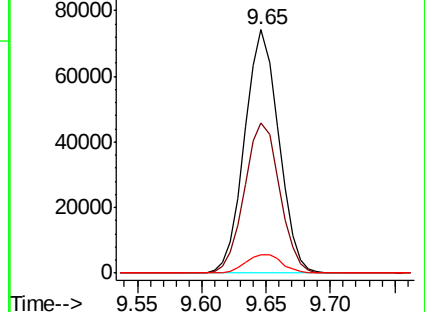
127 7.7 7.0 10.6

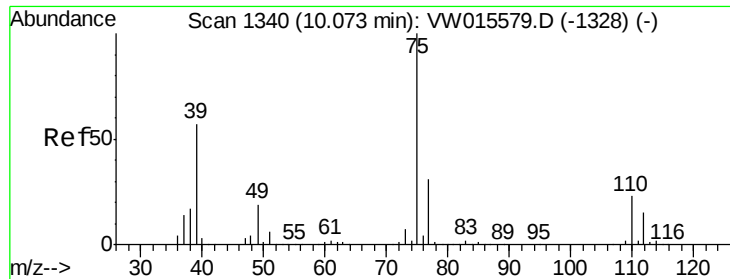


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V

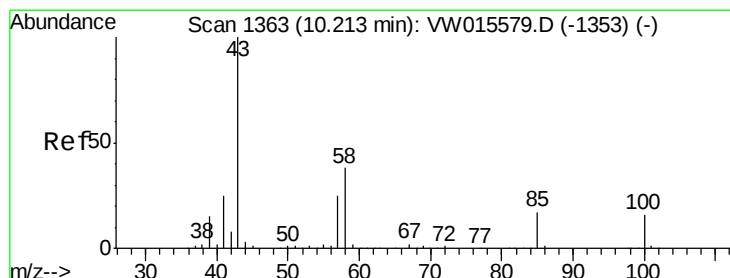
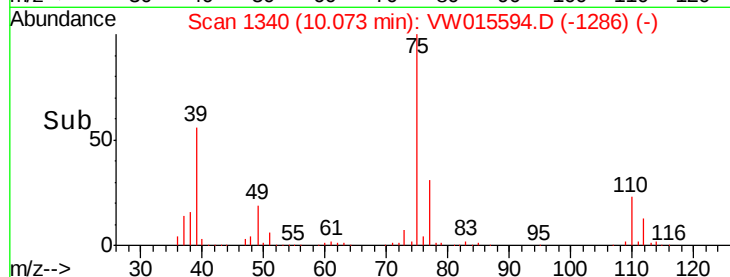
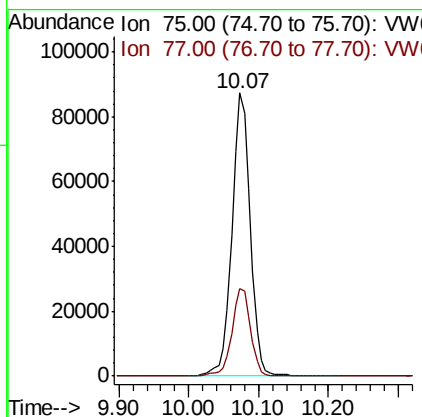
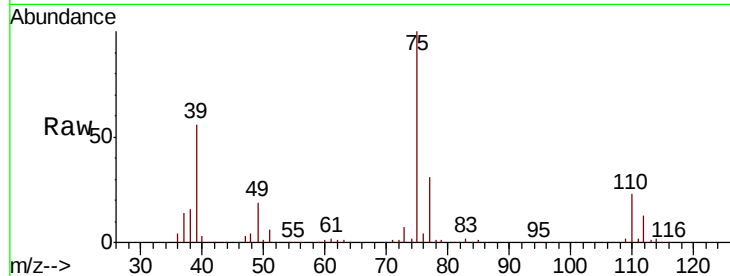




#42
 cis-1,3-Dichloropropene
 Concen: 24.492 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW015594.D
 Acq: 11 Jun 2020 18:35

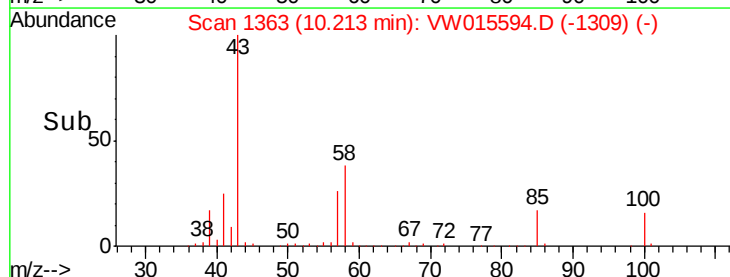
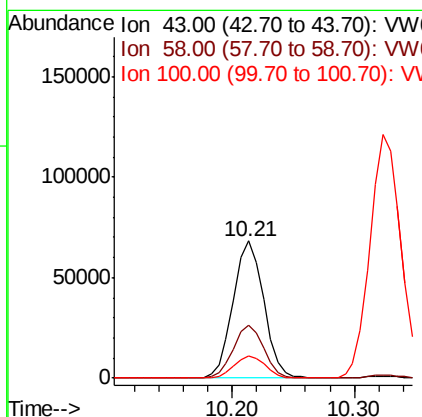
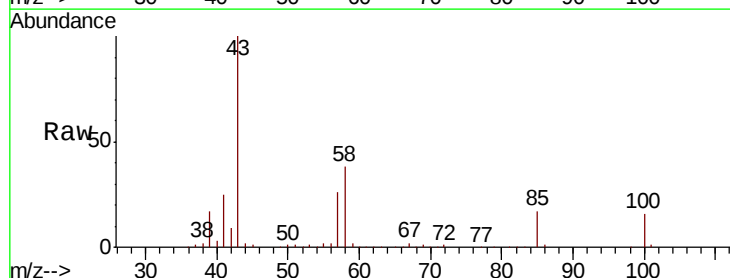
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02528

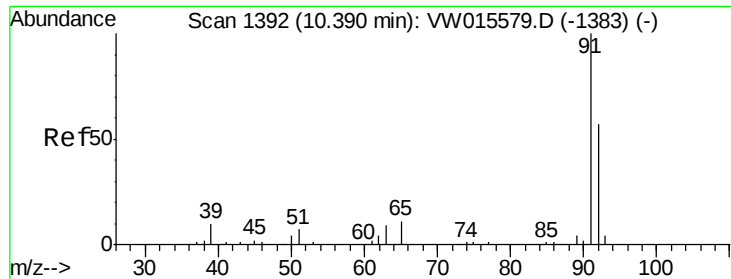
Tot Ion: 75 Resp: 158729
 Ion Ratio Lower Upper
 75 100
 77 31.0 22.3 41.5



#43
 4-Methyl-2-pentanone
 Concen: 49.901 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW015594.D
 Acq: 11 Jun 2020 18:35

Tgt Ion: 43 Resp: 118467
 Ion Ratio Lower Upper
 43 100
 58 38.5 30.6 46.0
 100 16.4 12.5 18.7





#44

Toluene

Concen: 25.991 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW015594.D

Acq: 11 Jun 2020 18:35

Instrument :

MSVOA_W

ClientSampleId :

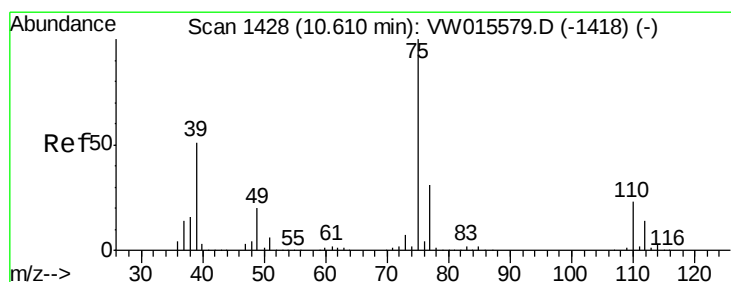
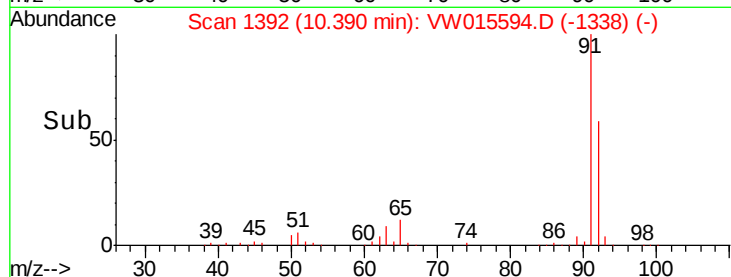
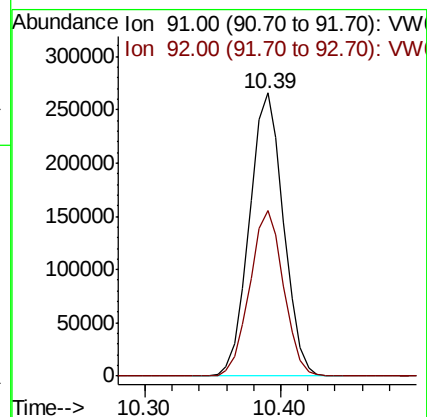
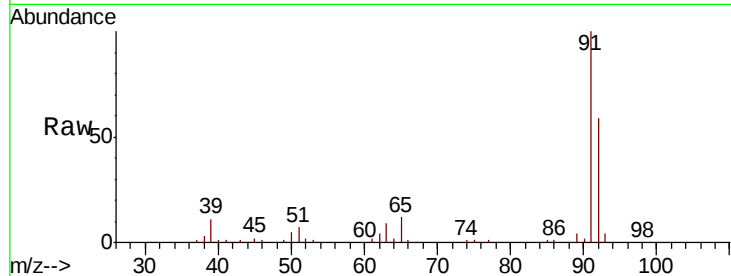
VSTD02528

Tot Ion: 91 Resp: 465697

Ion Ratio Lower Upper

91 100

92 58.5 41.7 77.5



#45

trans-1,3-Dichloropropene

Concen: 23.736 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW015594.D

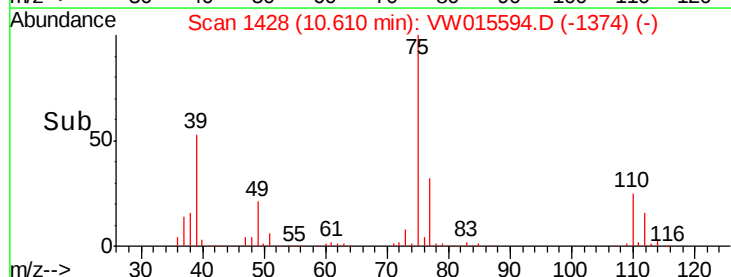
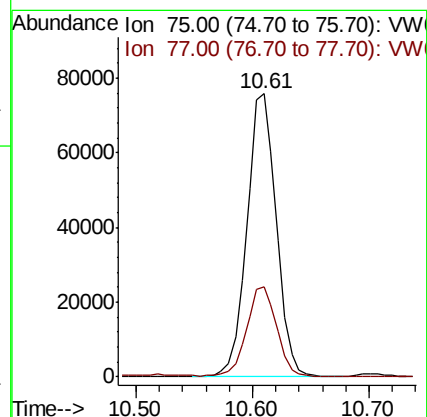
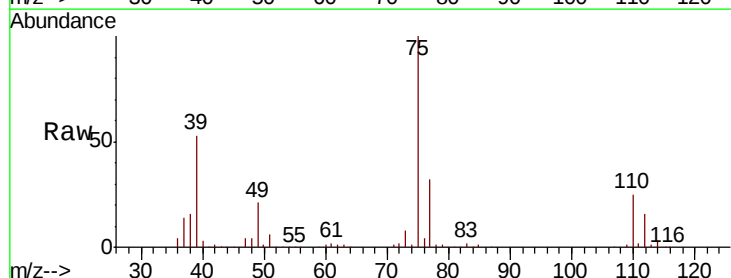
Acq: 11 Jun 2020 18:35

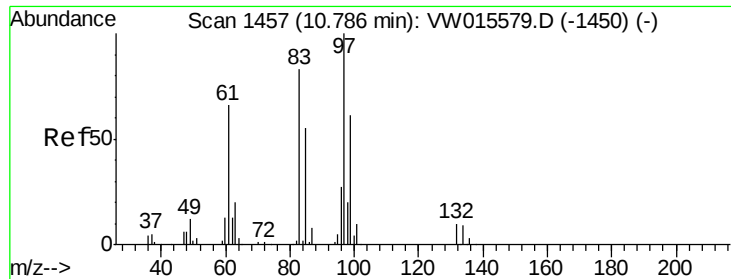
Tgt Ion: 75 Resp: 133870

Ion Ratio Lower Upper

75 100

77 31.7 21.5 39.9

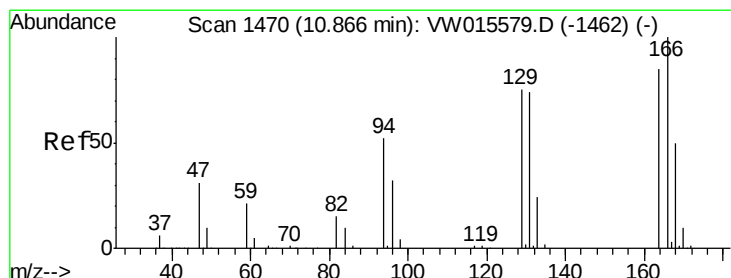
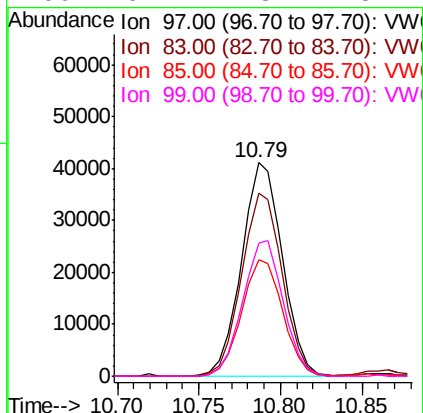
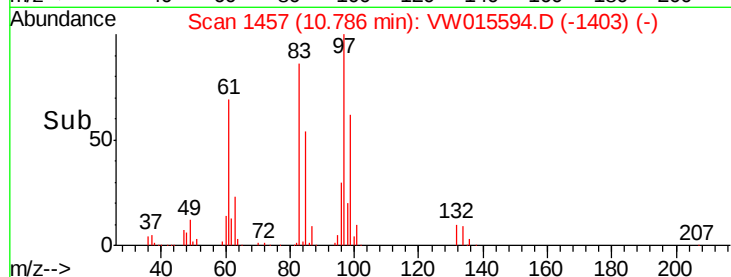
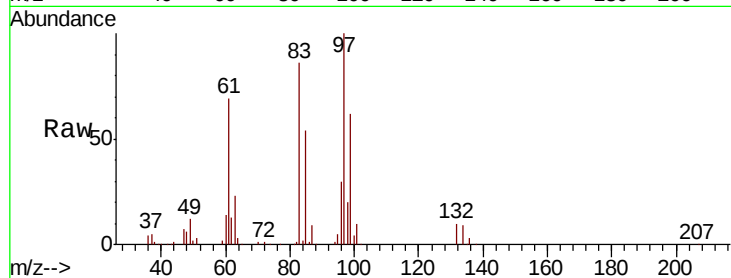




#46
 1,1,2-Trichloroethane
 Concen: 25.277 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW015594.D
 Acq: 11 Jun 2020 18:35

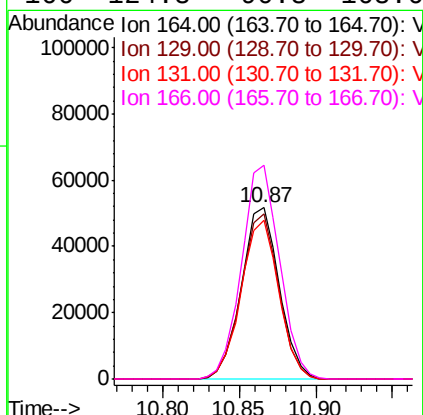
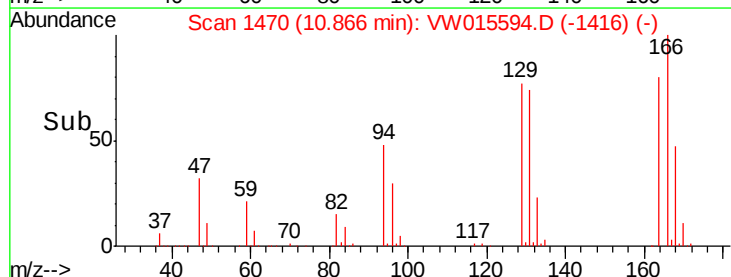
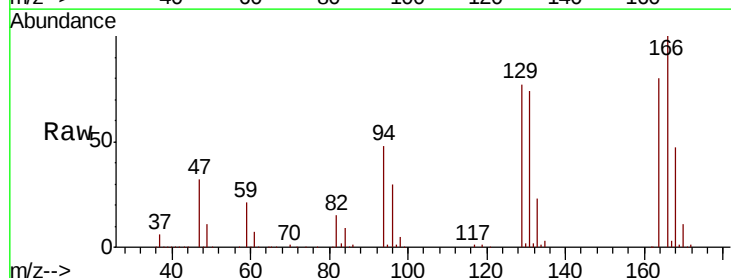
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02528

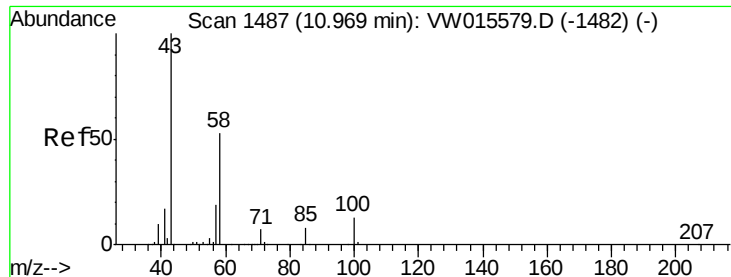
Tot Ion: 97 Resp: 71621
 Ion Ratio Lower Upper
 97 100
 83 85.6 58.2 108.2
 85 54.4 37.4 69.4
 99 62.2 43.7 81.1



#47
 Tetrachloroethene
 Concen: 25.405 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VW015594.D
 Acq: 11 Jun 2020 18:35

Tgt Ion: 164 Resp: 88963
 Ion Ratio Lower Upper
 164 100
 129 96.3 66.3 123.1
 131 92.9 65.1 120.9
 166 124.8 90.8 168.6





#49

2-Hexanone

Concen: 47.104 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW015594.D

Acq: 11 Jun 2020 18:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD02528

Tot Ion: 43 Resp: 75482

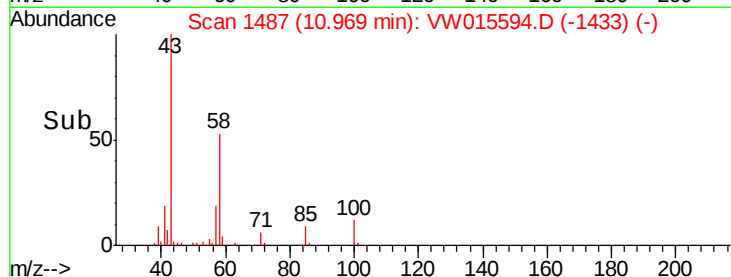
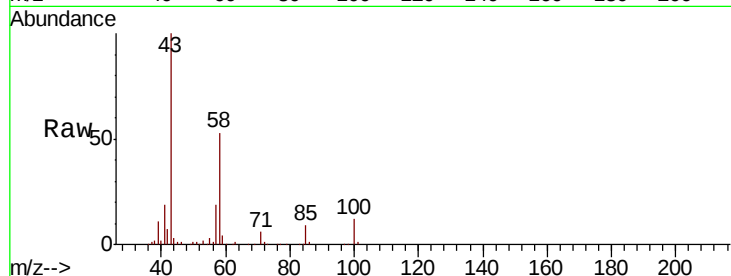
Ion Ratio Lower Upper

43 100

58 53.3 42.6 64.0

57 18.9 15.5 23.3

100 12.6 10.3 15.5

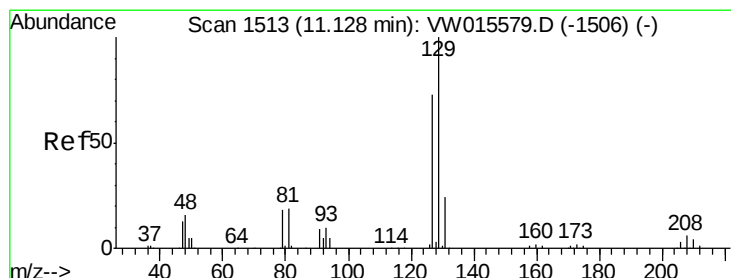
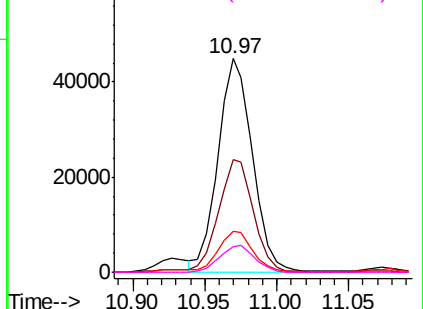


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 24.884 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW015594.D

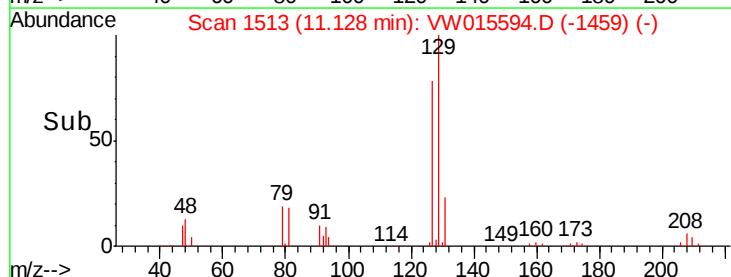
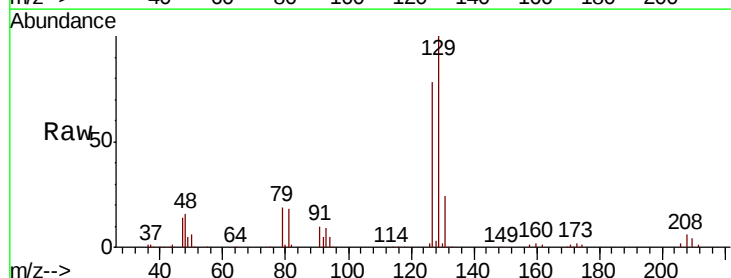
Acq: 11 Jun 2020 18:35

Tgt Ion:129 Resp: 85662

Ion Ratio Lower Upper

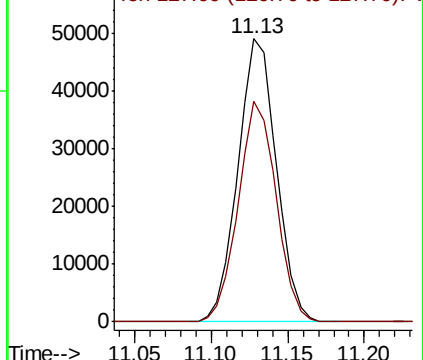
129 100

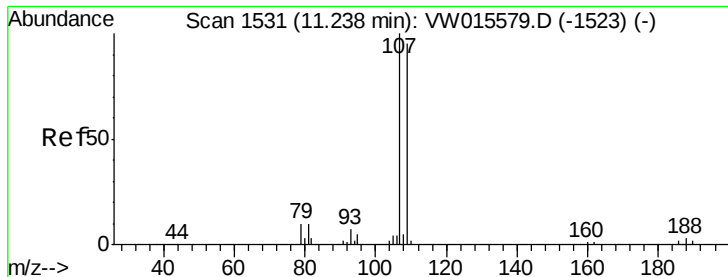
127 77.7 53.0 98.4



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

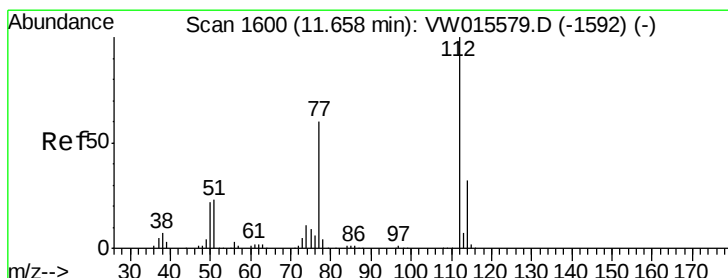
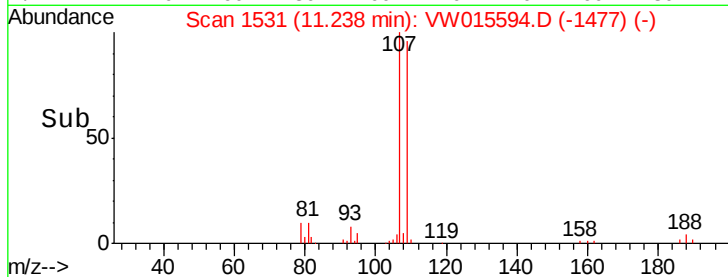
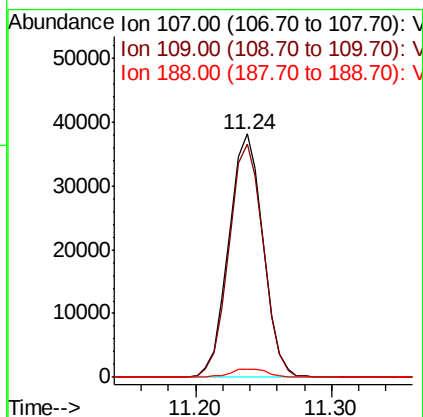
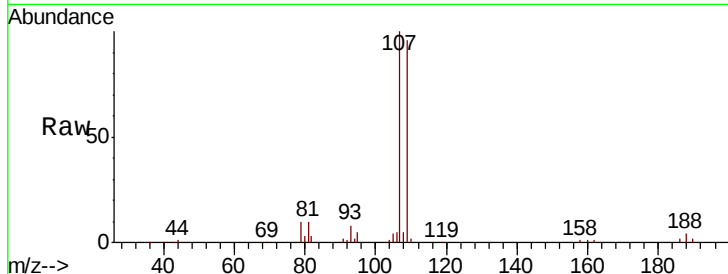




#51
 1,2-Dibromoethane
 Concen: 24.600 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW015594.D
 Acq: 11 Jun 2020 18:35

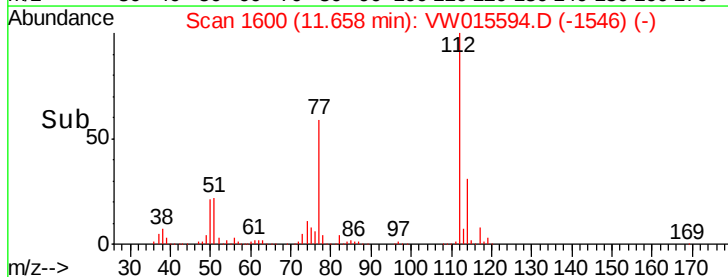
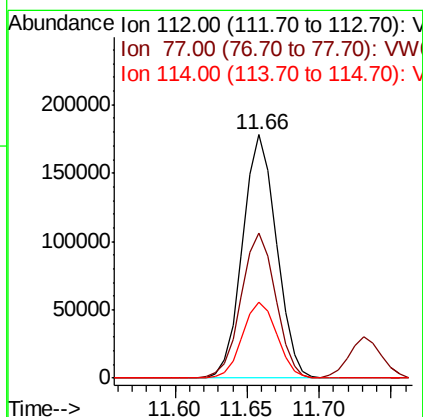
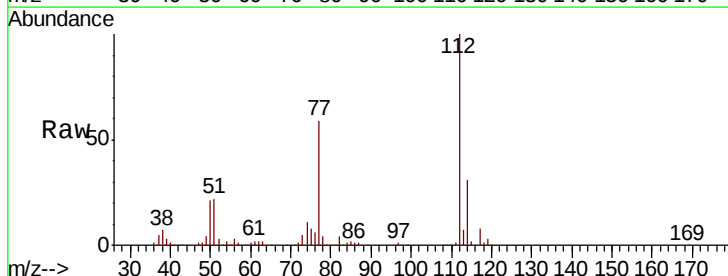
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02528

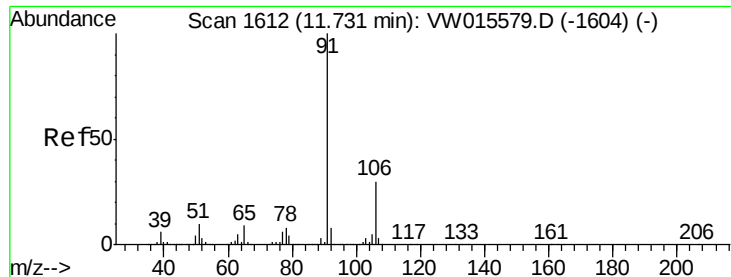
Tot Ion:107 Resp: 66916
 Ion Ratio Lower Upper
 107 100
 109 96.1 64.6 120.0
 188 3.6 2.8 4.2



#52
 Chlorobenzene
 Concen: 25.874 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW015594.D
 Acq: 11 Jun 2020 18:35

Tgt Ion:112 Resp: 290792
 Ion Ratio Lower Upper
 112 100
 77 59.5 49.7 74.5
 114 31.0 21.8 40.6

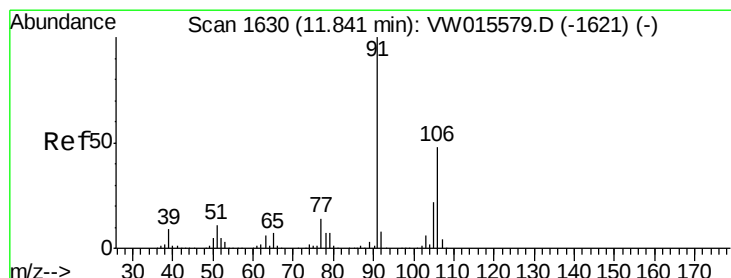
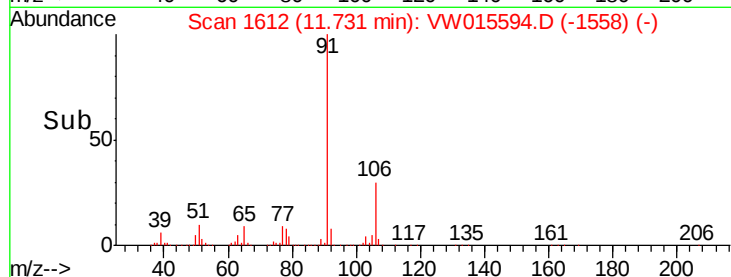
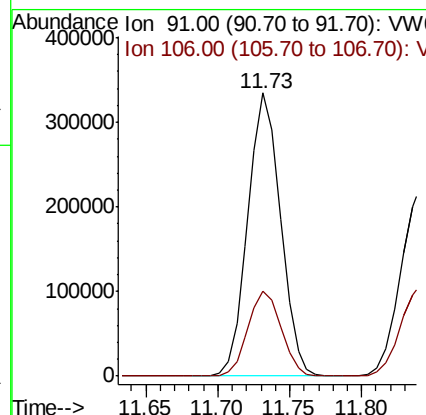
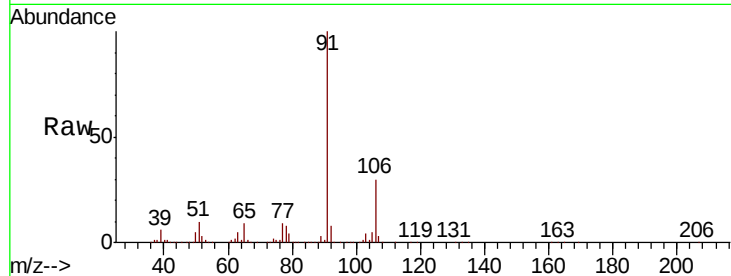




#53
Ethylbenzene
Concen: 25.642 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015594.D
Acq: 11 Jun 2020 18:35

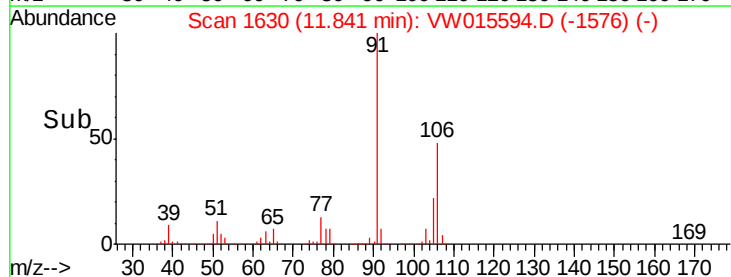
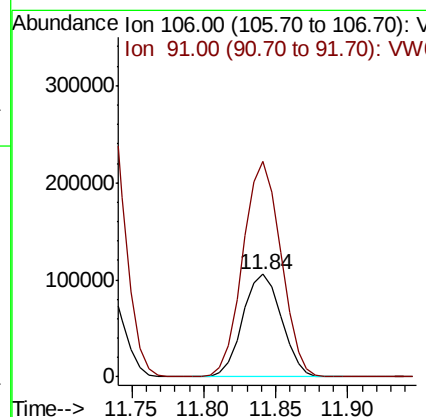
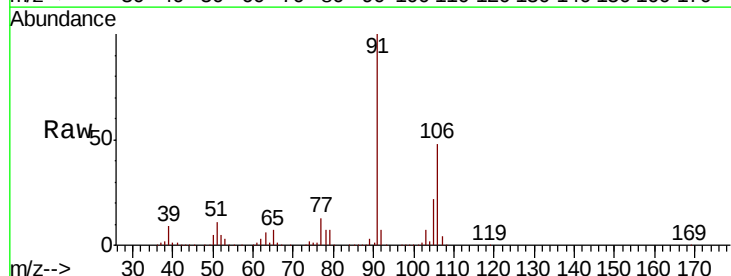
Instrument :
MSVOA_W
ClientSampleId :
VSTD02528

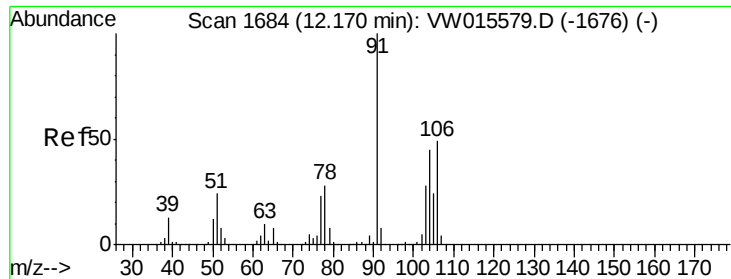
Tot Ion: 91 Resp: 527572
Ion Ratio Lower Upper
91 100
106 30.2 21.3 39.6



#54
m,p-Xylene
Concen: 25.630 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW015594.D
Acq: 11 Jun 2020 18:35

Tgt Ion: 106 Resp: 197870
Ion Ratio Lower Upper
106 100
91 210.1 142.6 264.8

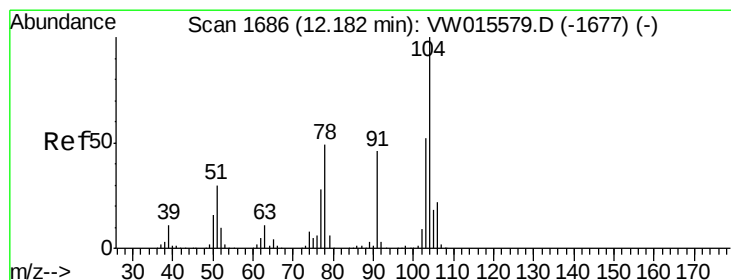
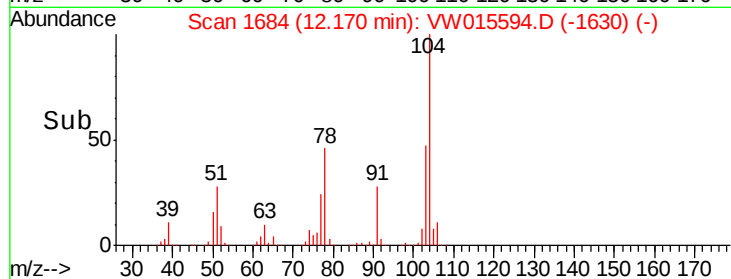
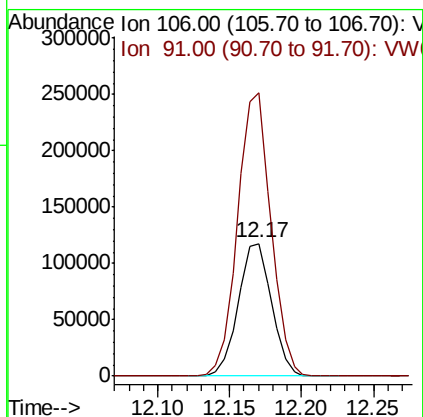
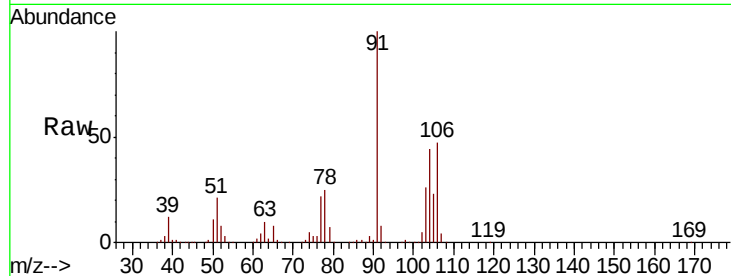




#55
o-xylene
Concen: 25.784 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW015594.D
Acq: 11 Jun 2020 18:35

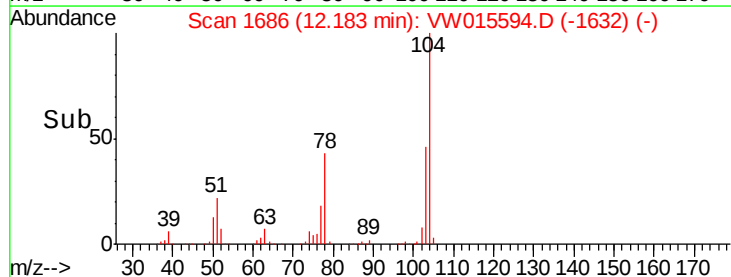
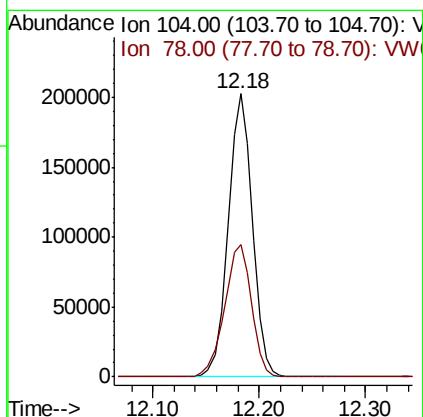
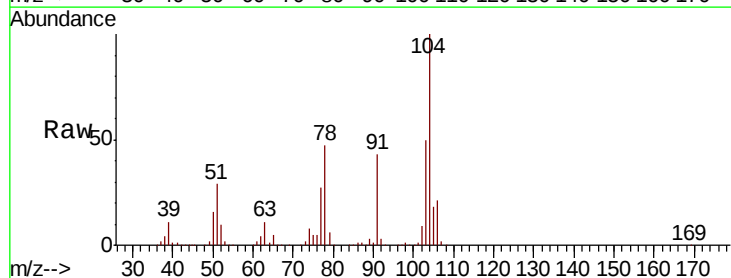
Instrument :
MSVOA_W
ClientSampleId :
VSTD02528

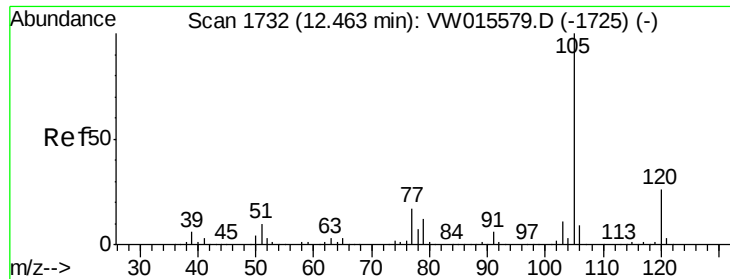
Tot Ion:106 Resp: 188948
Ion Ratio Lower Upper
106 100
91 213.5 149.0 276.6



#56
Styrene
Concen: 25.760 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015594.D
Acq: 11 Jun 2020 18:35

Tgt Ion:104 Resp: 322557
Ion Ratio Lower Upper
104 100
78 46.5 32.9 61.1





#57

Isopropylbenzene

Concen: 25.876 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015594.D

Acq: 11 Jun 2020 18:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD02528

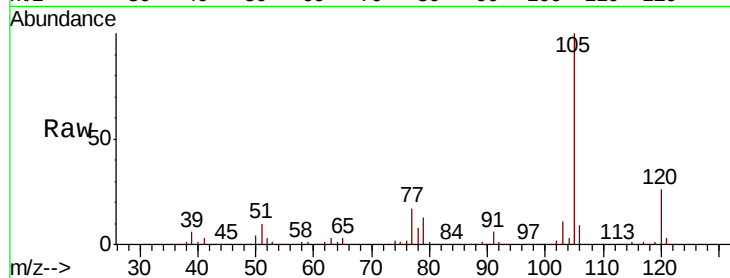
Tot Ion:105 Resp: 528227

Ion Ratio Lower Upper

105 100

120 26.3 21.0 31.4

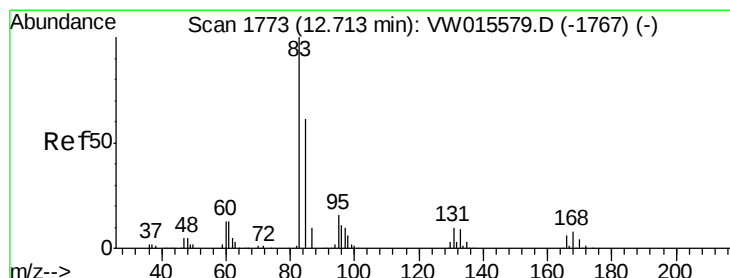
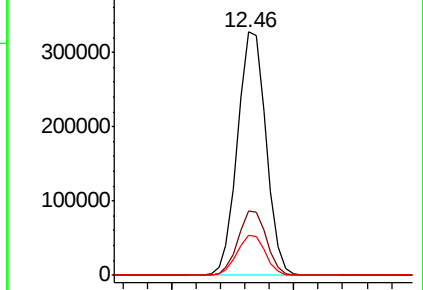
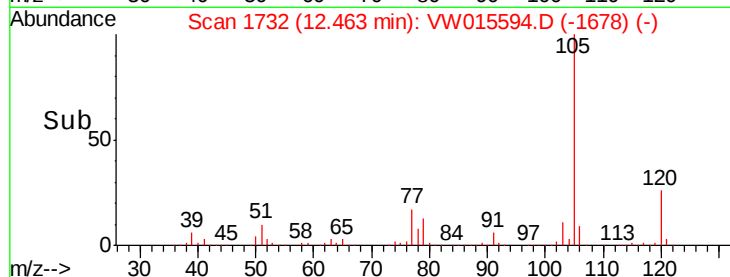
77 16.4 13.0 19.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 25.189 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015594.D

Acq: 11 Jun 2020 18:35

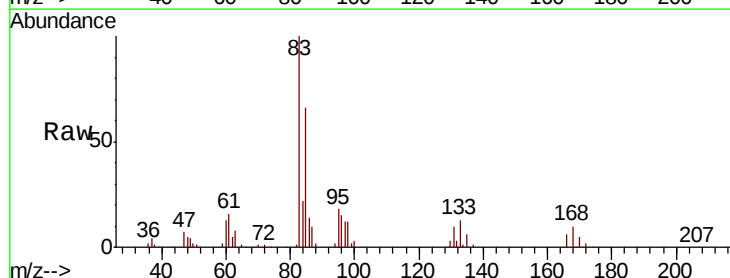
Tgt Ion: 83 Resp: 82628

Ion Ratio Lower Upper

83 100

85 65.7 44.7 82.9

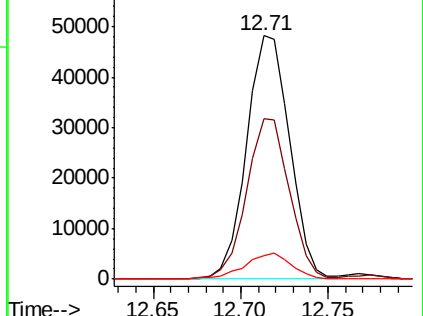
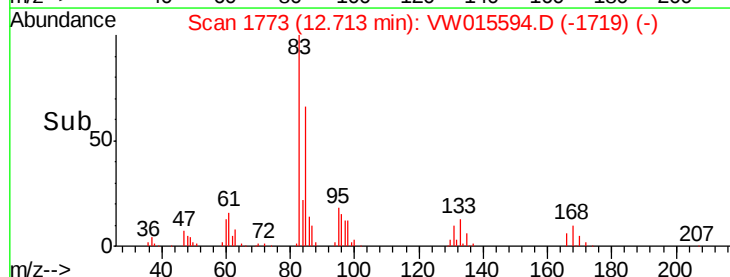
131 9.9 9.1 13.7

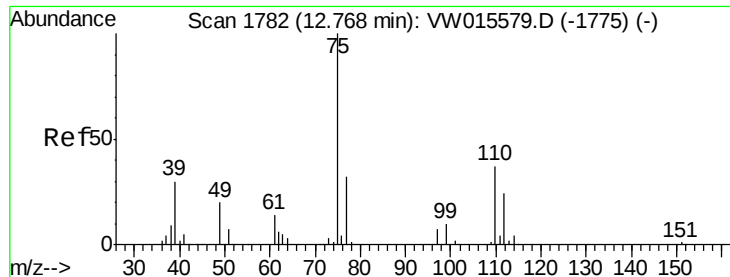


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 24.501 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW015594.D

Acq: 11 Jun 2020 18:35

Instrument :

MSVOA_W

ClientSampleId :

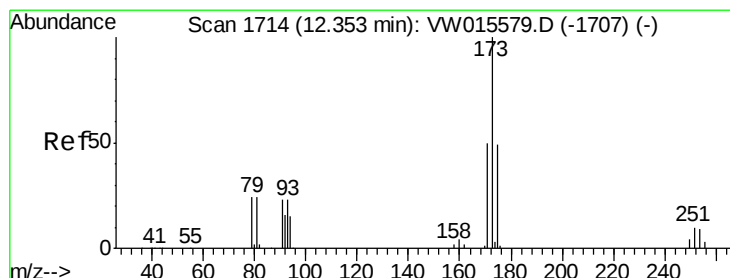
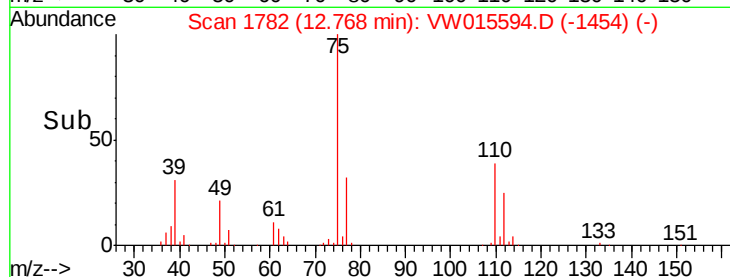
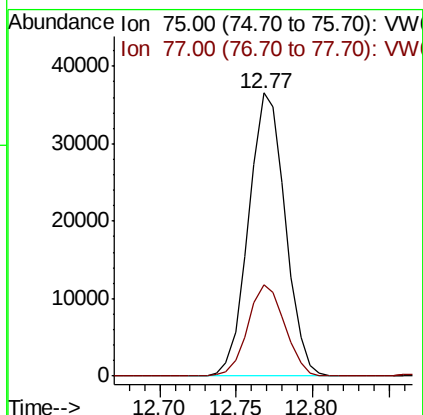
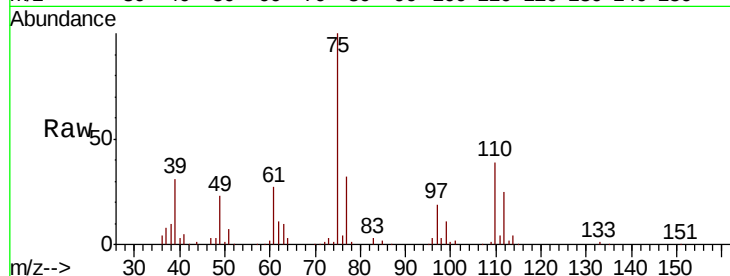
VSTD02528

Tot Ion: 75 Resp: 60940

Ion Ratio Lower Upper

75 100

77 32.7 25.9 38.9



#62

Bromoform

Concen: 23.105 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW015594.D

Acq: 11 Jun 2020 18:35

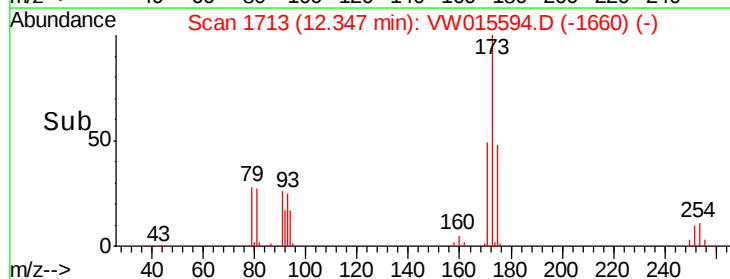
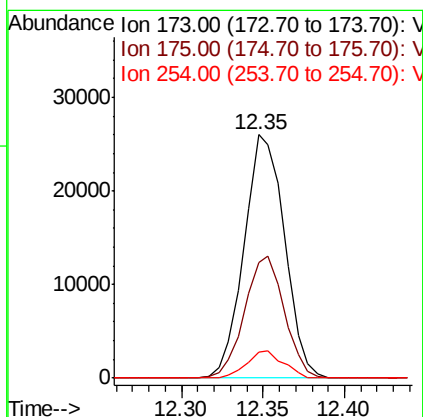
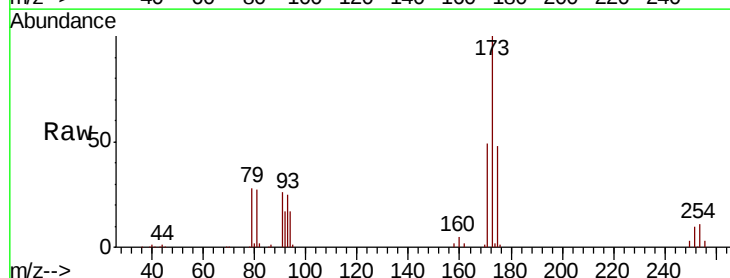
Tgt Ion: 173 Resp: 45003

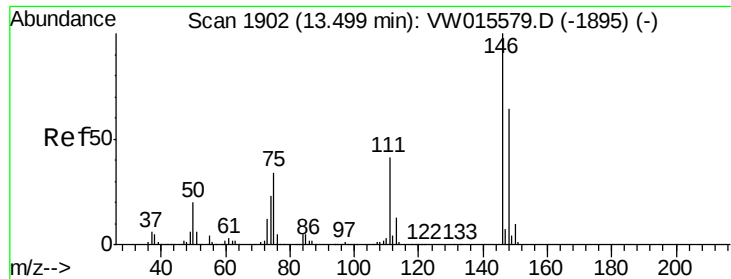
Ion Ratio Lower Upper

173 100

175 49.0 37.9 56.9

254 10.0 6.8 10.2

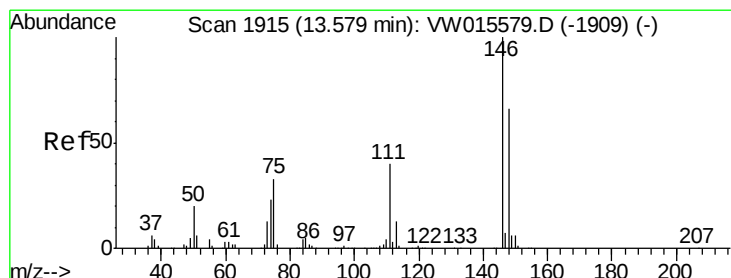
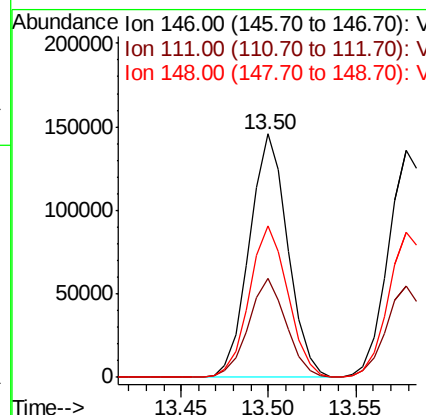
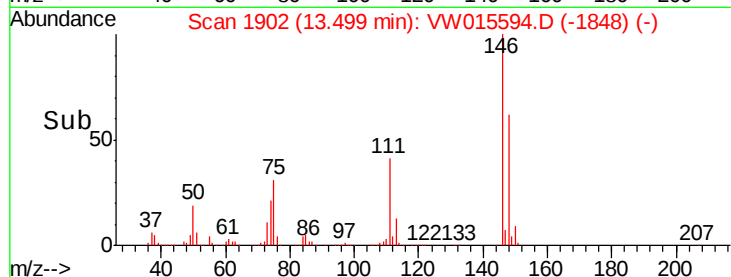
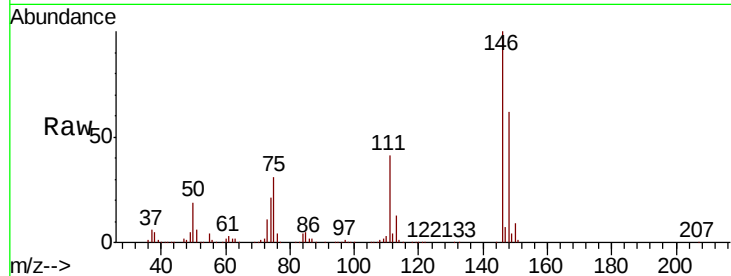




#63
 1,3-Dichlorobenzene
 Concen: 26.128 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015594.D
 Acq: 11 Jun 2020 18:35

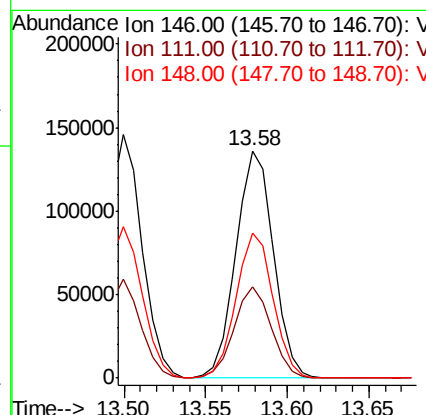
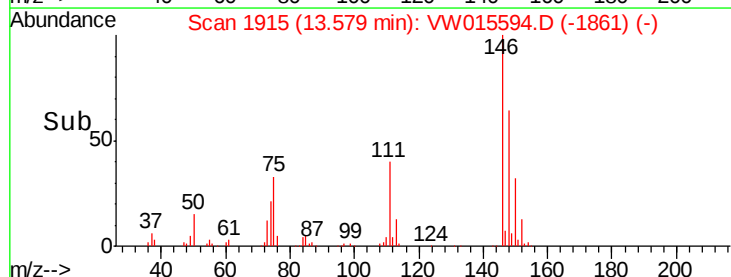
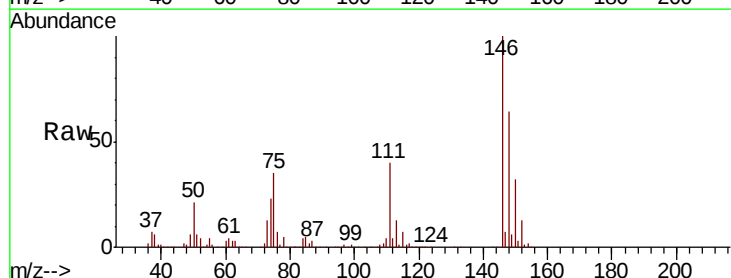
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02528

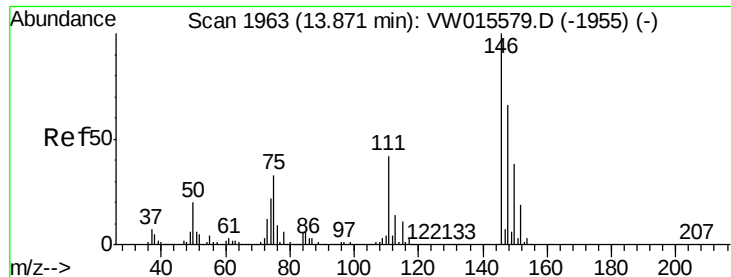
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	29.3	54.5
148	62.3	42.5	78.9



#64
 1,4-Dichlorobenzene
 Concen: 25.977 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015594.D
 Acq: 11 Jun 2020 18:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	28.1	52.1
148	63.9	43.3	80.3





#65

1,2-Dichlorobenzene

Concen: 26.356 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW015594.D

Acq: 11 Jun 2020 18:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD02528

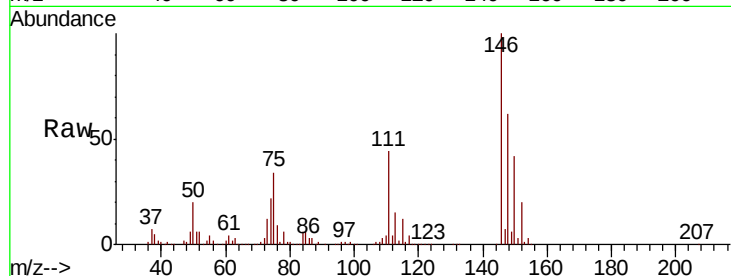
Tot Ion:146 Resp: 195923

Ion Ratio Lower Upper

146 100

111 43.6 34.9 52.3

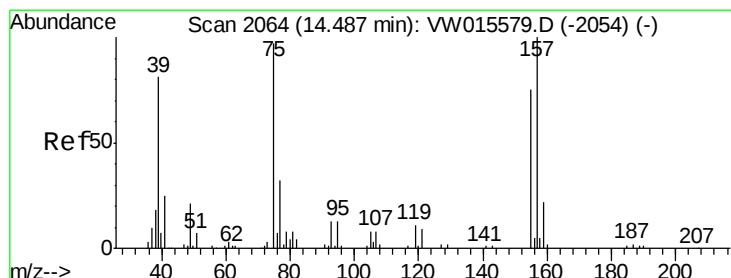
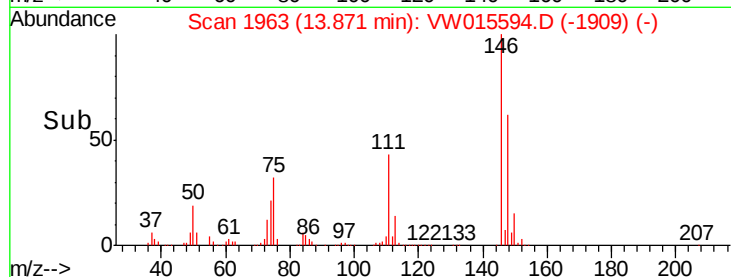
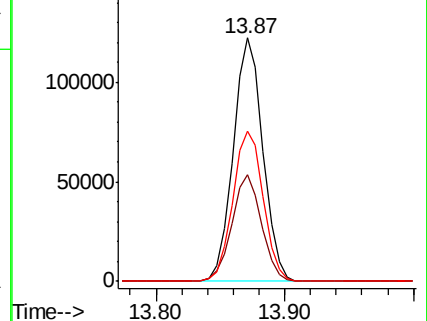
148 61.9 51.8 77.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 21.822 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW015594.D

Acq: 11 Jun 2020 18:35

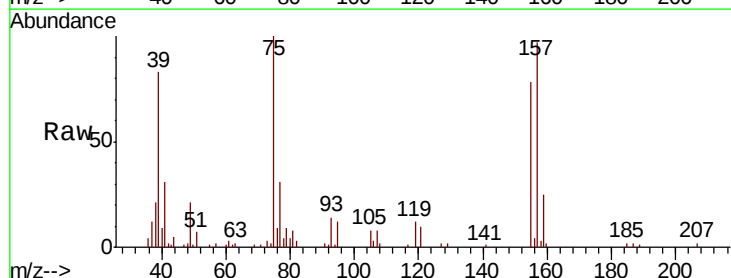
Tgt Ion: 75 Resp: 12306

Ion Ratio Lower Upper

75 100

157 97.1 87.4 131.0

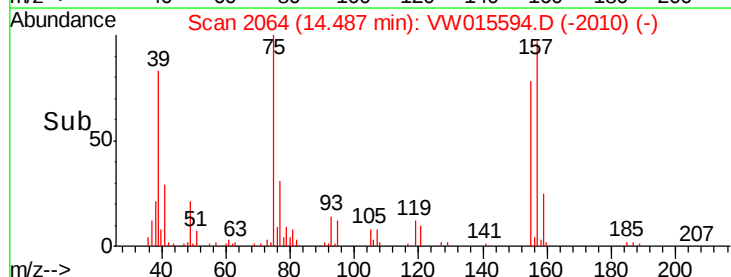
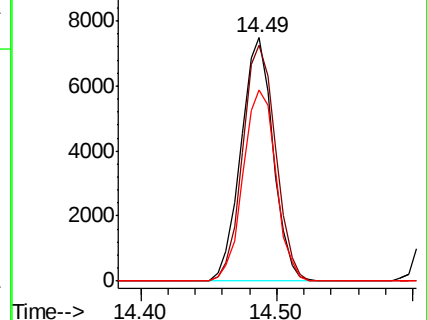
155 78.5 64.6 96.8

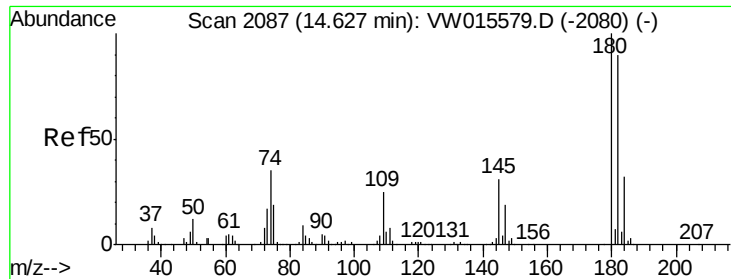


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

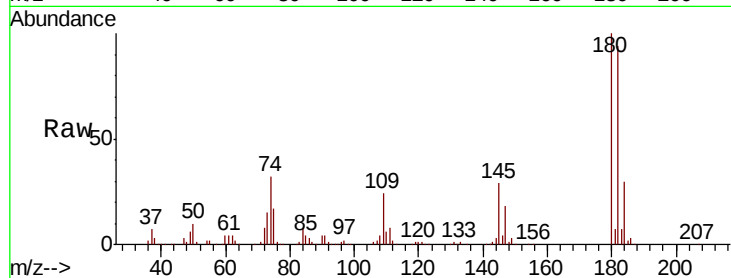




#67
 1,3,5-Trichlorobenzene
 Concen: 25.235 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.01 min
 Lab File: VW015594.D
 Acq: 11 Jun 2020 18:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02528

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.6	114.8
184	30.2	24.4	36.6
145	30.2	24.0	36.0



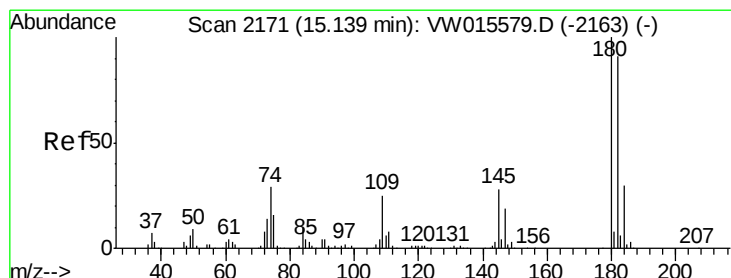
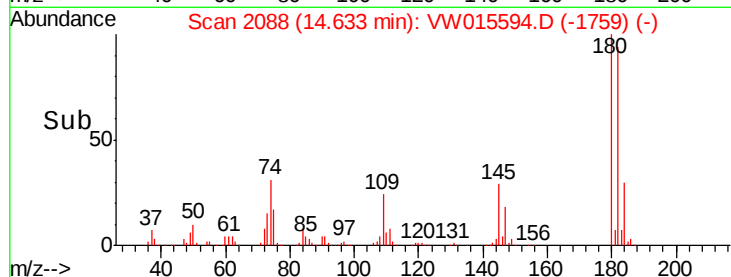
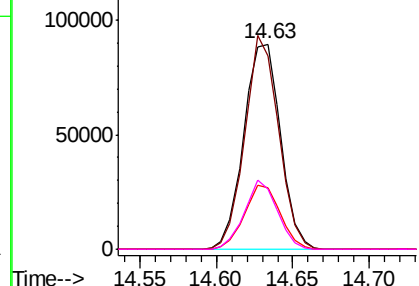
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

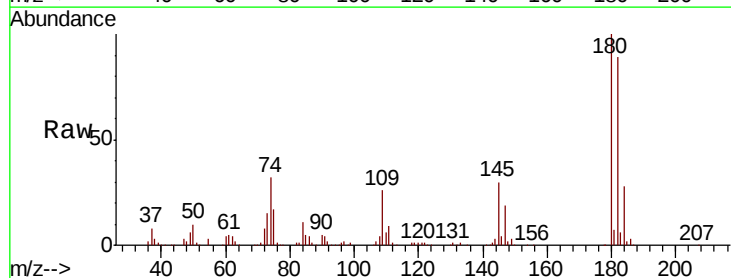
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 24.902 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW015594.D
 Acq: 11 Jun 2020 18:35

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	76.1	114.1
145	31.6	25.2	37.8

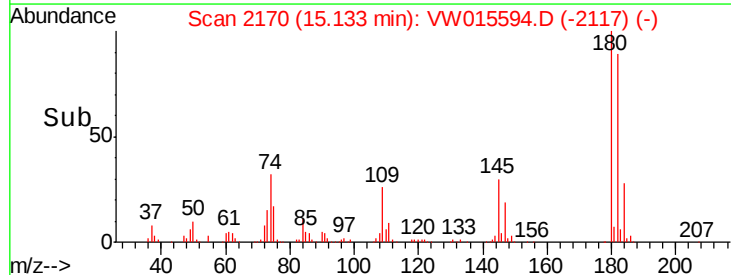
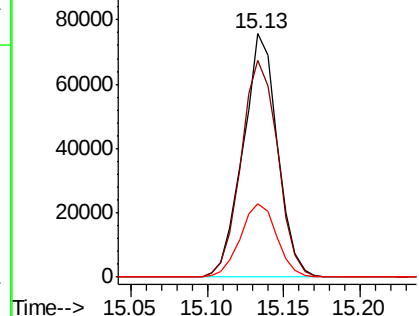


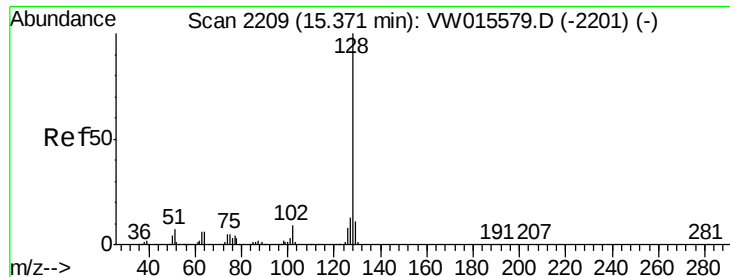
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 24.092 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW015594.D

Acq: 11 Jun 2020 18:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD02528

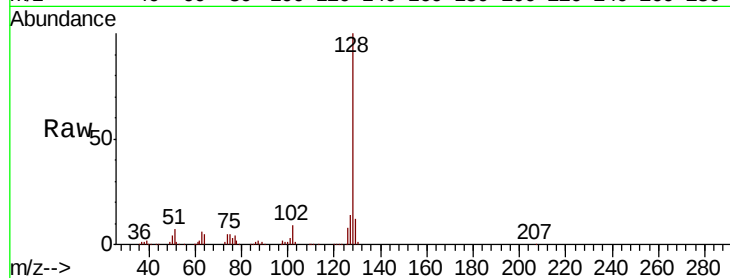
Tot Ion:128 Resp: 208664

Ion Ratio Lower Upper

128 100

129 11.3 8.6 12.8

127 13.2 10.6 15.8

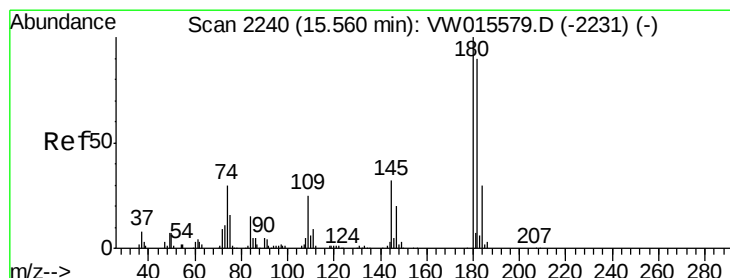
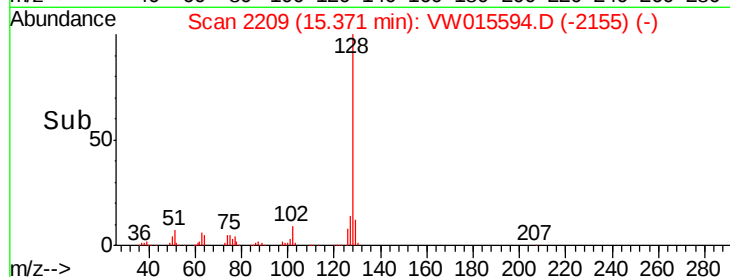
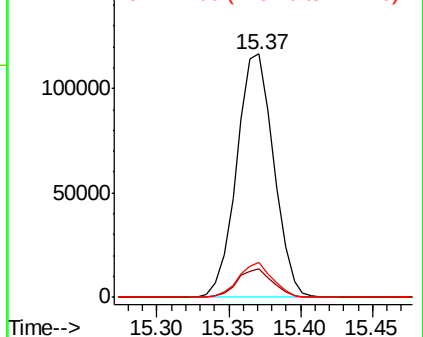


Abundance

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: 25.277 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW015594.D

Acq: 11 Jun 2020 18:35

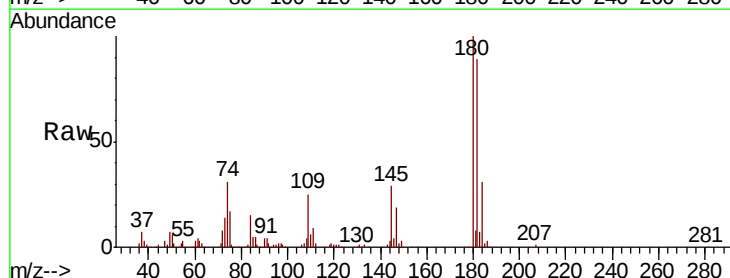
Tgt Ion:180 Resp: 102576

Ion Ratio Lower Upper

180 100

182 92.7 75.4 113.2

145 32.4 26.7 40.1



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

