

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120820\
 Data File : VW017587.D
 Acq On : 08 Dec 2020 09:43
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02507

Quant Time: Dec 09 01:06:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM112420S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 08 06:44:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	375206	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	346675	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	180387	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	114153	22.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.12%
7) Chloroethane-d5	2.90	69	96037	22.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.80%
10) 1,1-Dichloroethene-d2	4.03	63	256835	23.03	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	92.12%
20) 2-Butanone-d5	7.08	46	58699	54.23	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.46%
24) Chloroform-d	7.65	84	273211	25.02	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.08%
26) 1,2-Dichloroethane-d4	8.30	65	140828	26.02	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	104.08%
29) Benzene-d6	8.27	84	502584	23.16	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.64%
33) 1,2-Dichloropropane-d6	9.27	67	142722	23.52	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.08%
37) Toluene-d8	10.32	98	456949	23.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.92%
38) trans-1,3-Dichloropropene-	10.58	79	63839	23.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.80%
39) 2-Hexanone-d5	10.93	63	40860	53.70	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.40%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	114899	25.97	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	103.88%
61) 1,2-Dichlorobenzene-d4	13.85	152	162185	23.83	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.32%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	66494	18.875	ug/L	98
3) Chloromethane	2.22	50	78797	21.722	ug/L	100
5) Vinyl chloride	2.37	62	119050	25.821	ug/L	100
6) Bromomethane	2.79	94	79253	24.132	ug/L	99
8) Chloroethane	2.93	64	77083	25.044	ug/L	98
9) Trichlorofluoromethane	3.27	101	117398	22.721	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	133572	24.858	ug/L #	69
12) 1,1-Dichloroethene	4.04	96	123449	23.605	ug/L	86
13) Acetone	4.13	43	54686	51.900	ug/L	91
14) Carbon disulfide	4.39	76	341351	22.969	ug/L	99
15) Methyl Acetate	4.68	43	47111	26.207	ug/L	98
16) Methylene chloride	4.92	84	129584	22.904	ug/L	97
17) Methyl tert-butyl Ether	5.43	73	147629	25.814	ug/L	100
18) trans-1,2-Dichloroethene	5.43	96	123477	23.037	ug/L	93
19) 1,1-Dichloroethane	6.22	63	224855	24.708	ug/L	99
21) 2-Butanone	7.17	43	65830	52.700	ug/L	96
22) cis-1,2-Dichloroethene	7.17	96	133505	23.780	ug/L	97

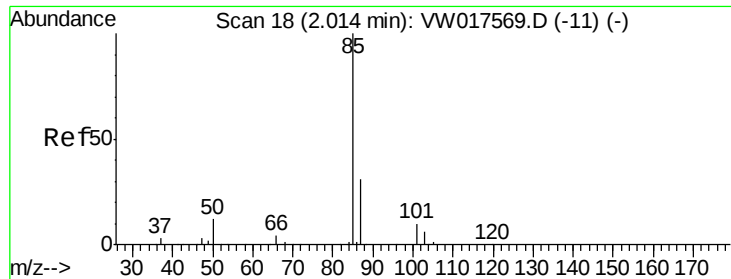
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120820\
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 Quant Title : VOC Analysis
 QLast Update : Tue Dec 08 06:44:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	61422	24.093	ug/L	95
25) Chloroform	7.68	83	240520	25.035	ug/L	99
27) 1,2-Dichloroethane	8.40	62	151180	25.901	ug/L	100
30) Cyclohexane	7.96	56	199627	24.027	ug/L	98
31) 1,1,1-Trichloroethane	7.88	97	206299	24.788	ug/L	98
32) Carbon tetrachloride	8.07	117	201415	24.955	ug/L	100
34) Benzene	8.32	78	502169	23.963	ug/L	100
35) Trichloroethene	9.09	95	137232	23.543	ug/L	98
36) Methylcyclohexane	9.34	83	224839	23.467	ug/L	98
40) 1,2-Dichloropropane	9.37	63	123469	24.972	ug/L	99
41) Bromodichloromethane	9.65	83	168808	24.692	ug/L	96
42) cis-1,3-Dichloropropene	10.07	75	191340	24.884	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	122404	52.906	ug/L	93
44) Toluene	10.39	91	548174	24.268	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	169810	25.659	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	90871	24.356	ug/L	98
47) Tetrachloroethene	10.87	164	113428	22.980	ug/L	98
49) 2-Hexanone	10.97	43	89479	53.038	ug/L	91
50) Dibromochloromethane	11.13	129	115229	24.917	ug/L	99
51) 1,2-Dibromoethane	11.24	107	84655	23.733	ug/L	91
52) Chlorobenzene	11.66	112	351657	23.831	ug/L	96
53) Ethylbenzene	11.73	91	622576	24.357	ug/L	97
54) m,p-Xylene	11.84	106	237474	24.374	ug/L	97
55) o-xylene	12.17	106	220488	24.308	ug/L	99
56) Styrene	12.18	104	381025	24.944	ug/L	98
57) Isopropylbenzene	12.46	105	616360	24.728	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	103232	25.551	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	75876	25.438	ug/L	98
62) Bromoform	12.35	173	65664	25.162	ug/L	97
63) 1,3-Dichlorobenzene	13.50	146	273982	23.620	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	276252	23.820	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	249090	24.671	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	16598	24.822	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	201243	24.253	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	156470	23.185	ug/L	91
69) Naphthalene	15.37	128	266916	25.220	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	142104	25.155	ug/L	97

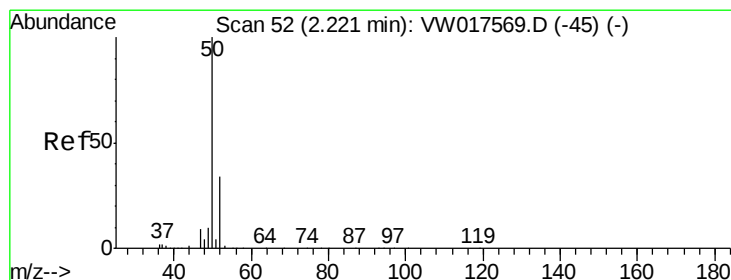
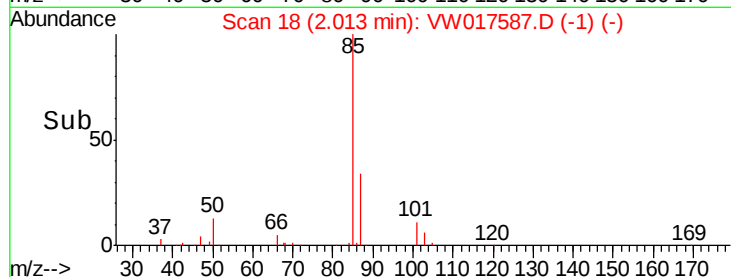
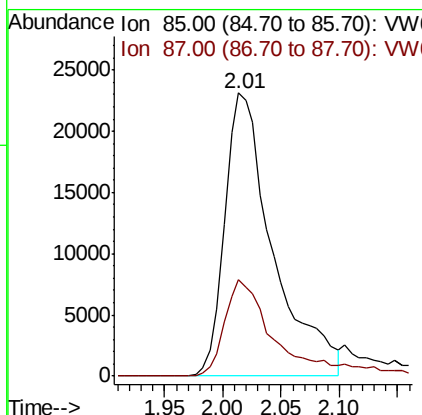
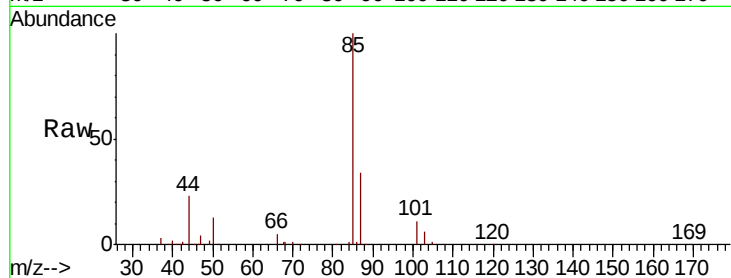
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 18.875 ug/L
RT: 2.01 min Scan# 18
Delta R.T. -0.00 min
Lab File: VW017587.D
Acq: 08 Dec 2020 09:43

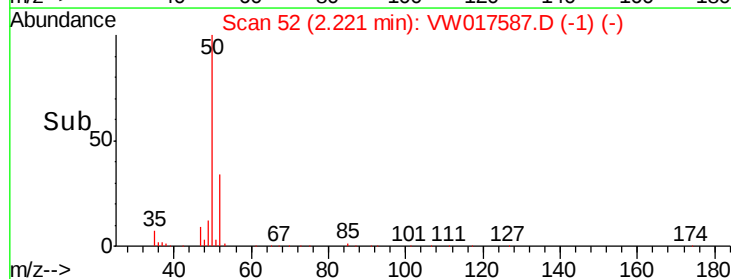
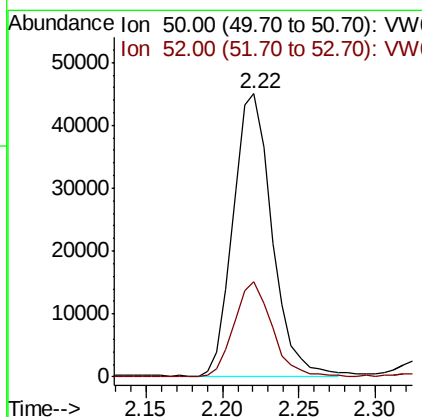
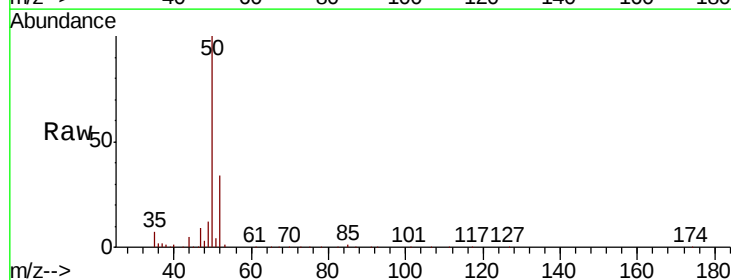
Instrument :
MSVOA_W
ClientSampled :
VSTD02507

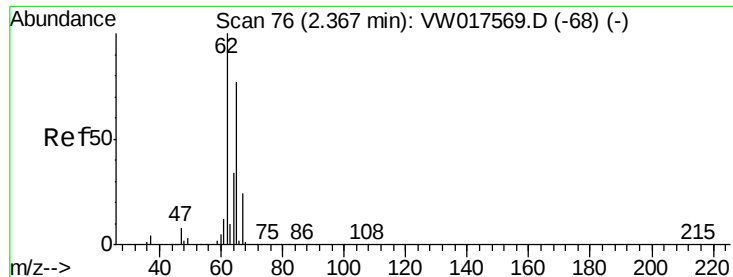
Tot Ion: 85 Resp: 66494
Ion Ratio Lower Upper
85 100
87 31.7 23.2 43.0



#3
Chloromethane
Concen: 21.722 ug/L
RT: 2.22 min Scan# 52
Delta R.T. -0.00 min
Lab File: VW017587.D
Acq: 08 Dec 2020 09:43

Tgt Ion: 50 Resp: 78797
Ion Ratio Lower Upper
50 100
52 33.7 23.4 43.6





#5

Vinyl chloride

Concen: 25.821 ug/L

RT: 2.37 min Scan# 77

Delta R.T. 0.01 min

Lab File: VW017587.D

Acq: 08 Dec 2020 09:43

Instrument :

MSVOA_W

ClientSampleId :

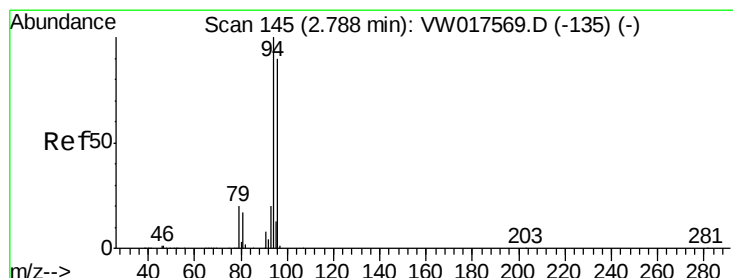
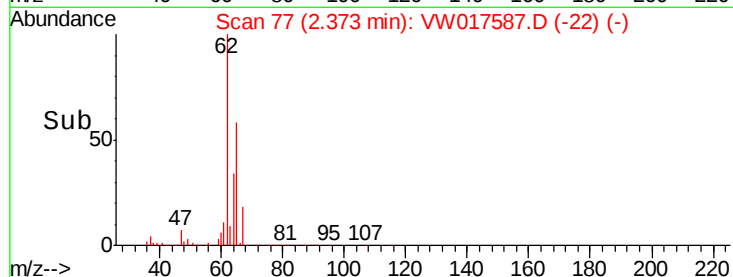
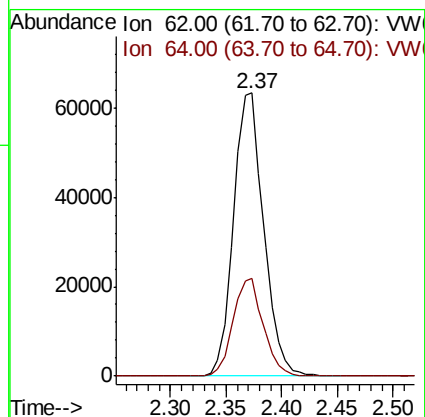
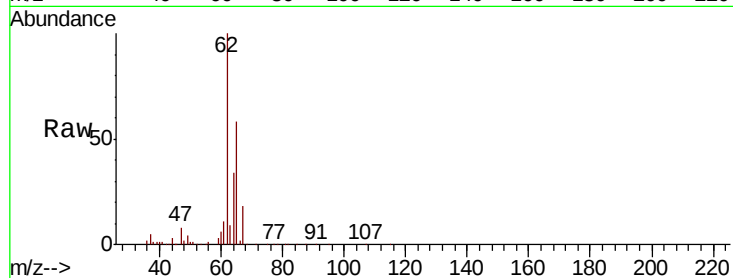
VSTD02507

Tot Ion: 62 Resp: 119050

Ion Ratio Lower Upper

62 100

64 34.4 23.9 44.5



#6

Bromomethane

Concen: 24.132 ug/L

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW017587.D

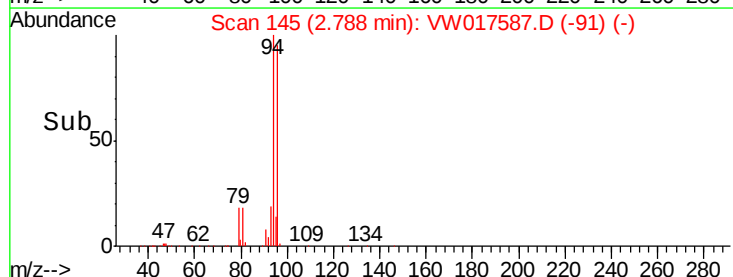
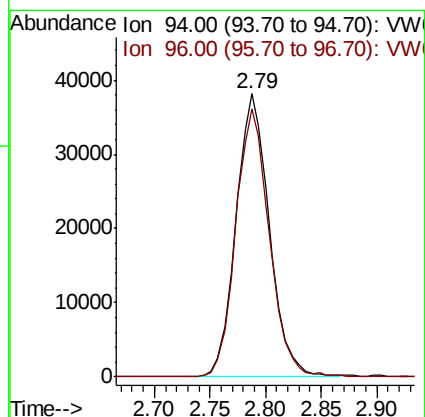
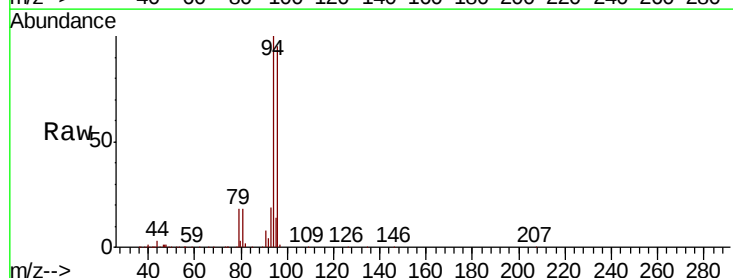
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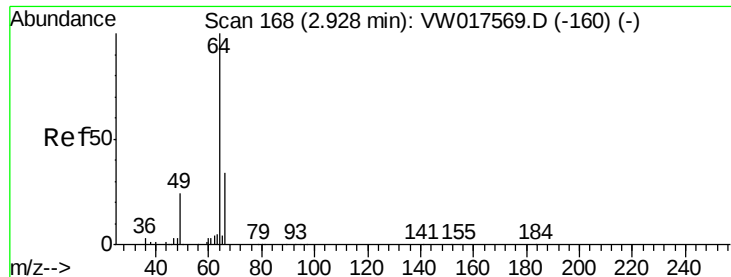
Tgt Ion: 94 Resp: 79253

Ion Ratio Lower Upper

94 100

96 94.6 9.4 178.0

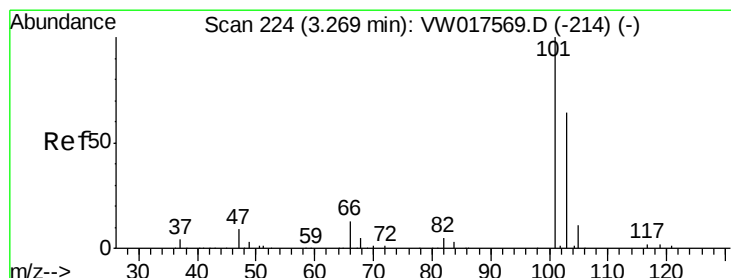
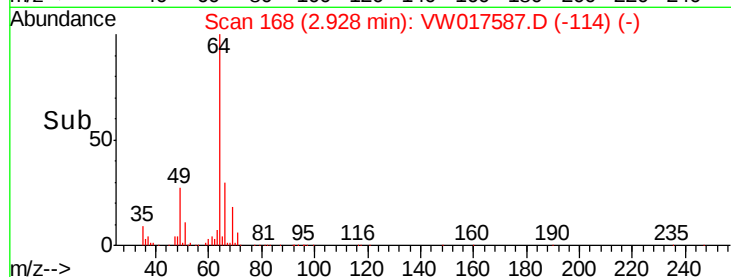
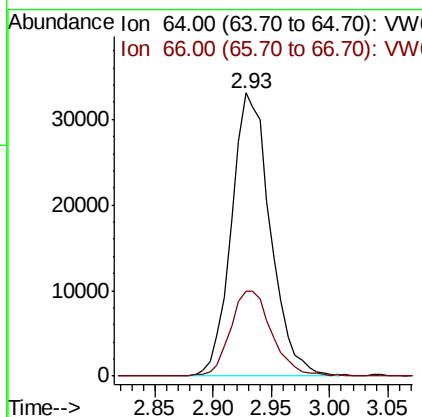
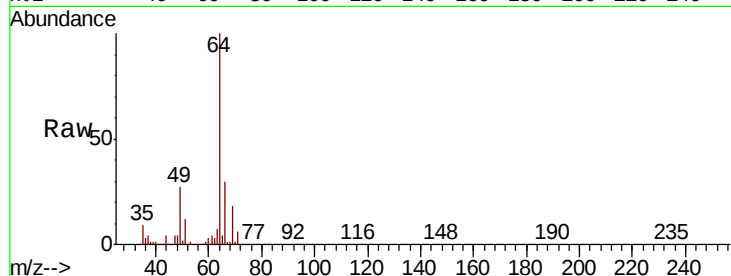




#8
Chloroethane
Concen: 25.044 ug/L
RT: 2.93 min Scan# 168
Delta R.T. -0.00 min
Lab File: VW017587.D
Acq: 08 Dec 2020 09:43

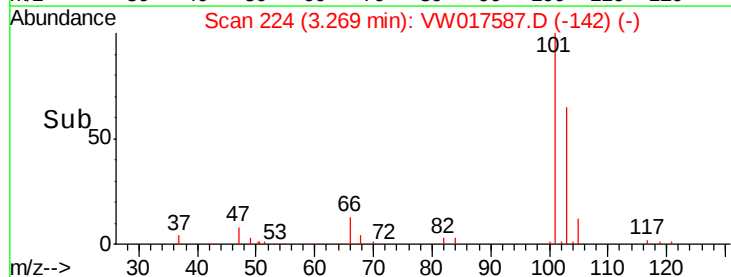
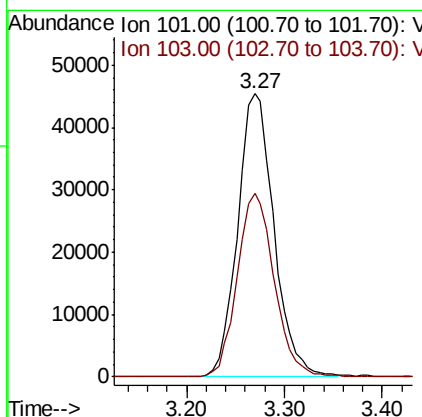
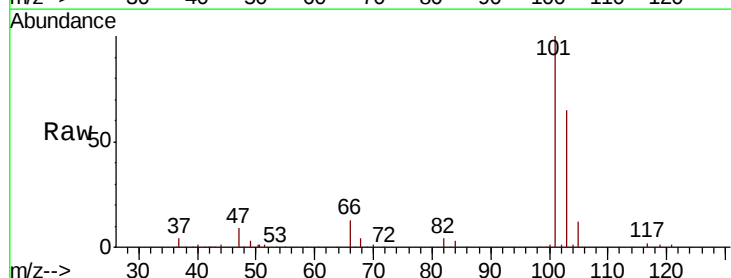
Instrument :
MSVOA_W
ClientSampleId :
VSTD02507

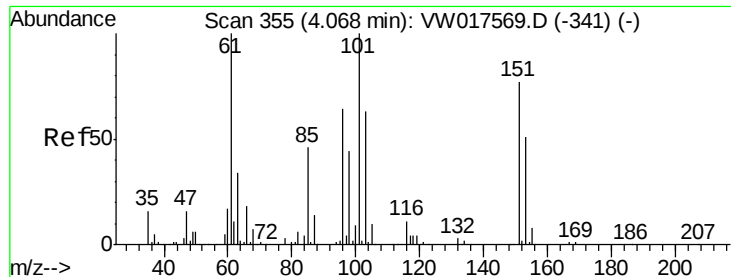
Tot Ion: 64 Resp: 77083
Ion Ratio Lower Upper
64 100
66 30.2 22.0 41.0



#9
Trichlorofluoromethane
Concen: 22.721 ug/L
RT: 3.27 min Scan# 224
Delta R.T. -0.00 min
Lab File: VW017587.D
Acq: 08 Dec 2020 09:43

Tgt Ion: 101 Resp: 117398
Ion Ratio Lower Upper
101 100
103 65.9 45.0 83.6





#11

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

Concen: 24.858 ug/L

RT: 4.07 min Scan# 356

Delta R.T. 0.01 min

Lab File: VW017587.D

Acq: 08 Dec 2020 09:43

Instrument :

MSVOA_W

ClientSampleId :

VSTD02507

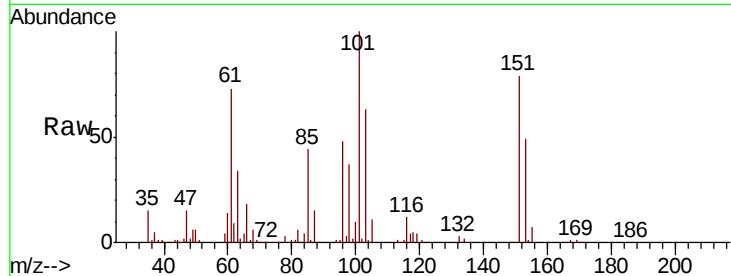
Tot Ion:101 Resp: 133572

Ion Ratio Lower Upper

101 100

85 43.1 34.2 51.4

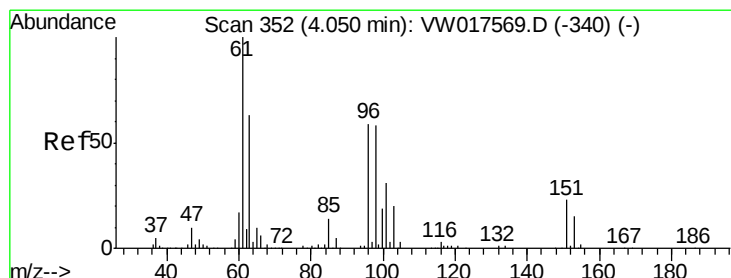
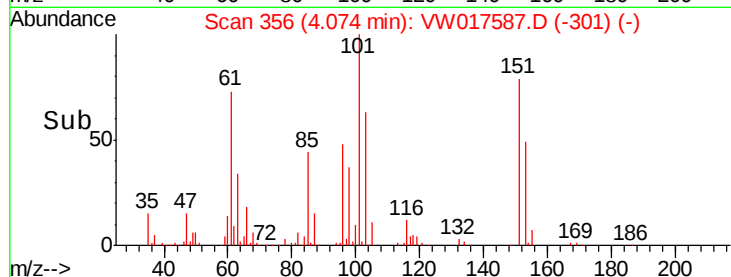
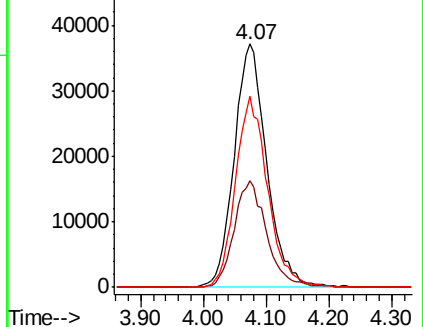
151 77.4 30.4 45.6#



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: 23.605 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.01 min

Lab File: VW017587.D

Acq: 08 Dec 2020 09:43

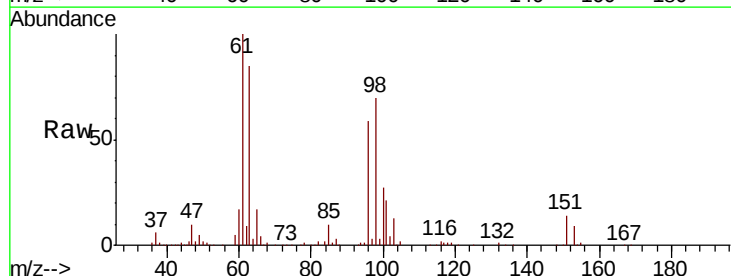
Tgt Ion: 96 Resp: 123449

Ion Ratio Lower Upper

96 100

61 170.1 112.5 208.9

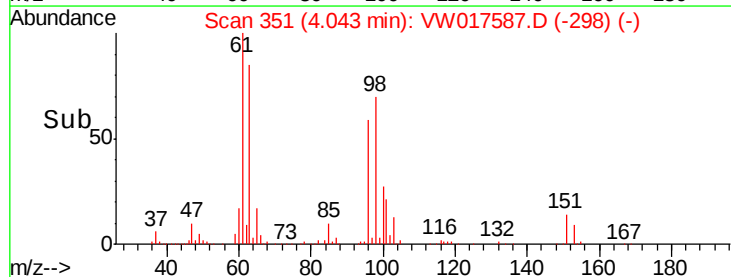
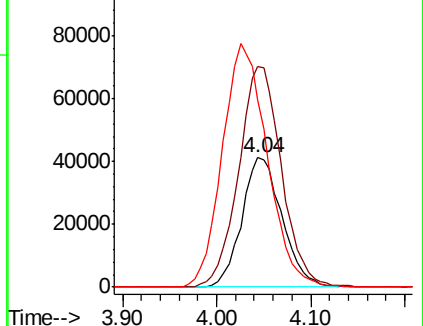
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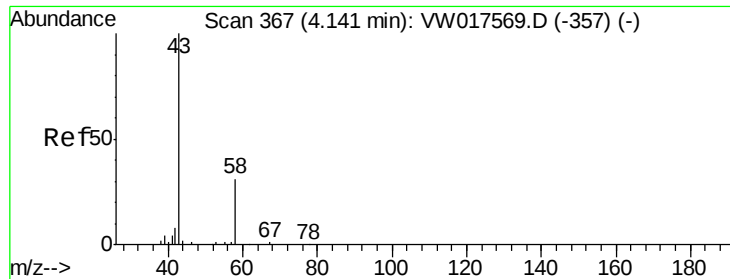


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 51.900 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW017587.D

Acq: 08 Dec 2020 09:43

Instrument :

MSVOA_W

ClientSampleId :

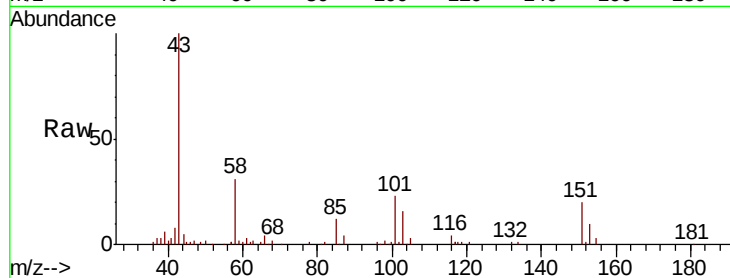
VSTD02507

Tot Ion: 43 Resp: 54686

Ion Ratio Lower Upper

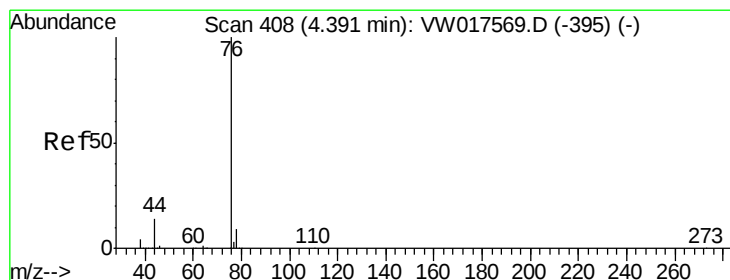
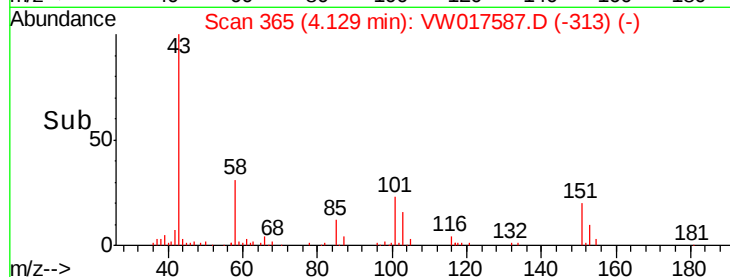
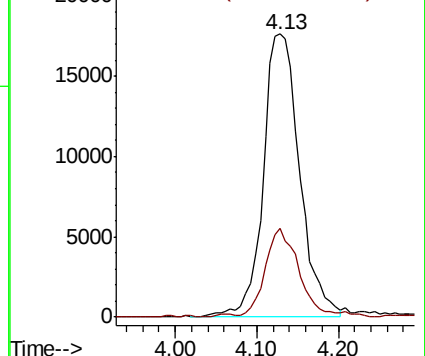
43 100

58 29.0 0.0 68.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 22.969 ug/L

RT: 4.39 min Scan# 408

Delta R.T. -0.00 min

Lab File: VW017587.D

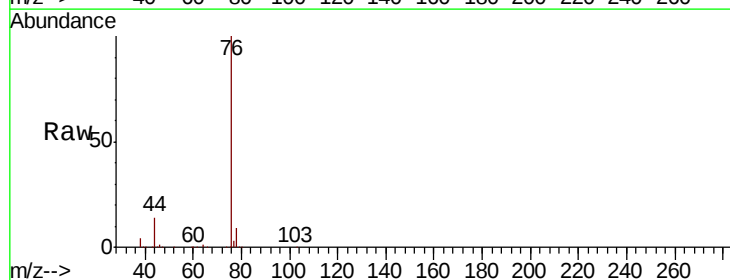
Acq: 08 Dec 2020 09:43

Tgt Ion: 76 Resp: 341351

Ion Ratio Lower Upper

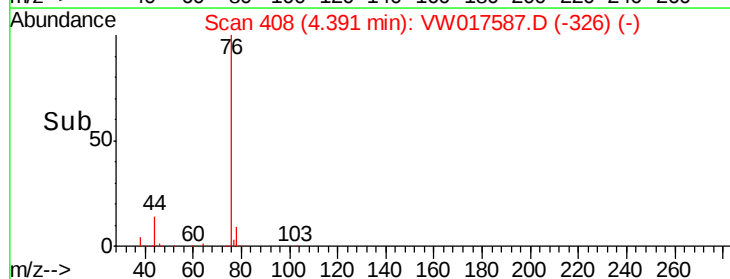
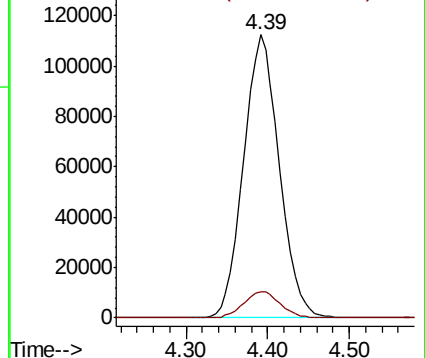
76 100

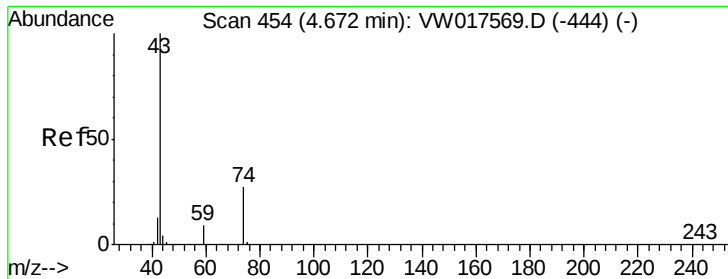
78 9.1 7.0 10.4



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

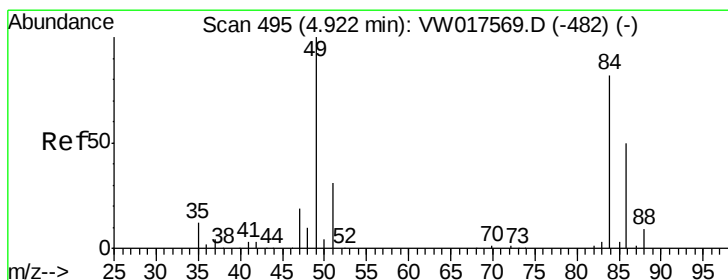
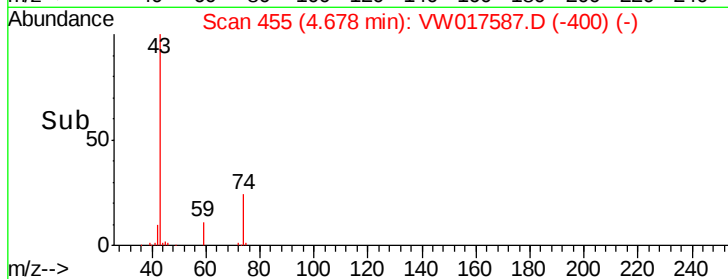
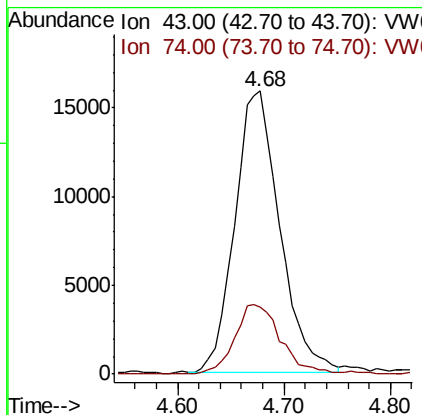
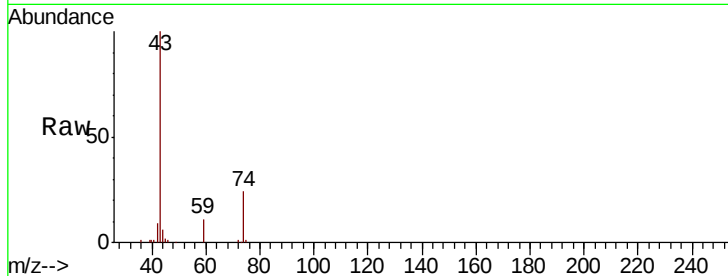




#15
Methyl Acetate
Concen: 26.207 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW017587.D
Acq: 08 Dec 2020 09:43

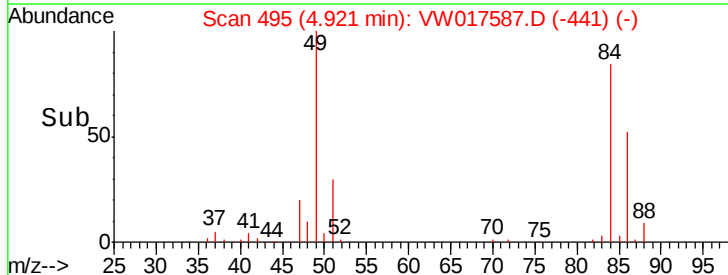
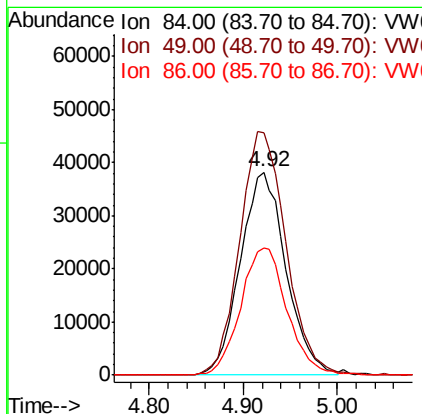
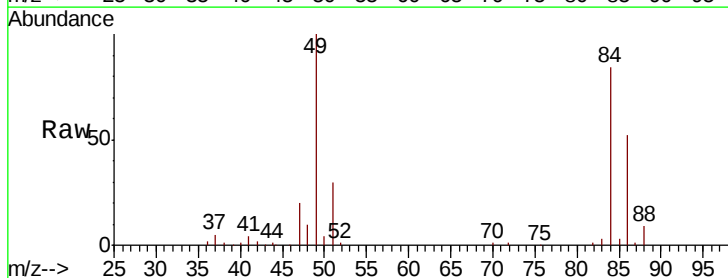
Instrument :
MSVOA_W
ClientSampleId :
VSTD02507

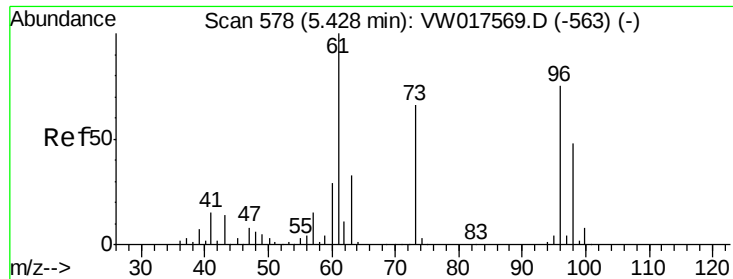
Tot Ion: 43 Resp: 47111
Ion Ratio Lower Upper
43 100
74 25.0 20.7 31.1



#16
Methylene chloride
Concen: 22.904 ug/L
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW017587.D
Acq: 08 Dec 2020 09:43

Tgt Ion: 84 Resp: 129584
Ion Ratio Lower Upper
84 100
49 119.5 81.2 150.8
86 62.6 44.5 82.7

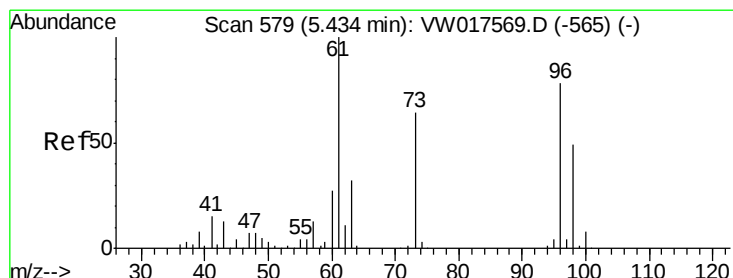
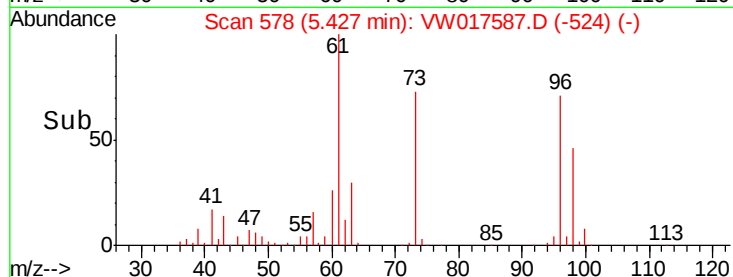
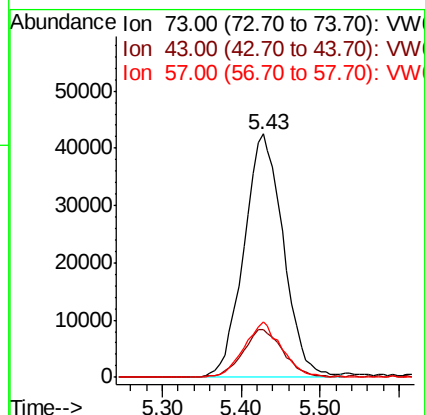
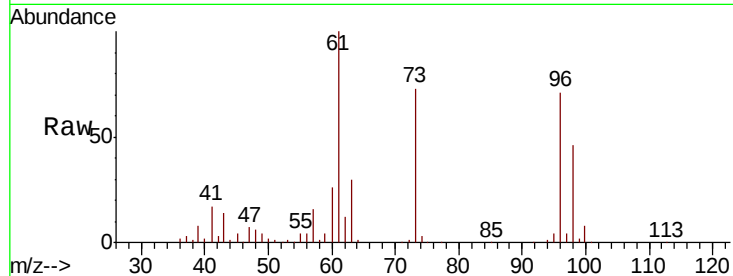




#17
Methvl tert-butvl Ether
Concen: 25.814 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW017587.D
Acq: 08 Dec 2020 09:43

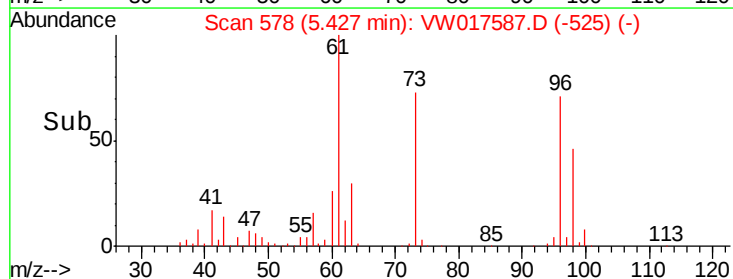
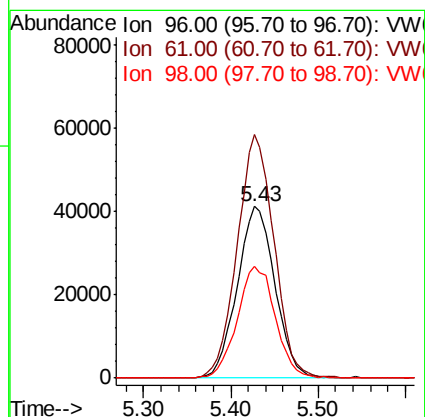
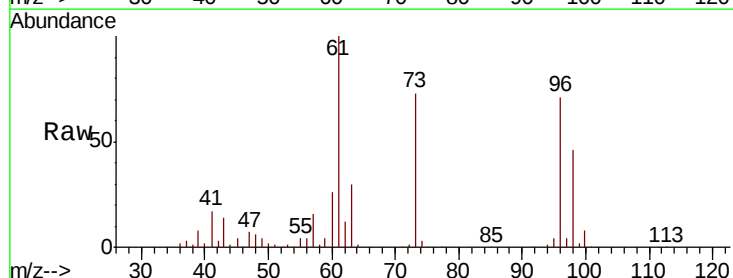
Instrument :
MSVOA_W
ClientSampleId :
VSTD02507

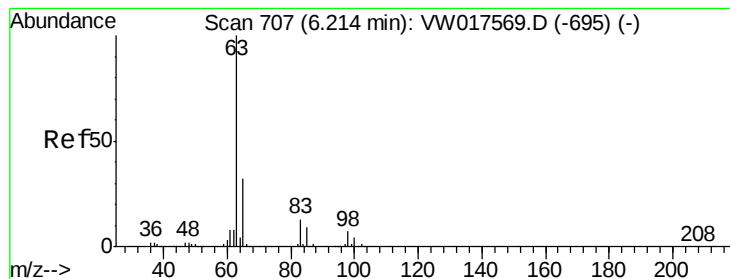
Tot Ion: 73 Resp: 147629
Ion Ratio Lower Upper
73 100
43 20.3 16.2 24.4
57 21.5 17.2 25.8



#18
trans-1,2-Dichloroethene
Concen: 23.037 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW017587.D
Acq: 08 Dec 2020 09:43

Tgt Ion: 96 Resp: 123477
Ion Ratio Lower Upper
96 100
61 141.8 92.7 172.1
98 65.1 43.3 80.3





#19

1,1-Dichloroethane

Concen: 24.708 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW017587.D

Acq: 08 Dec 2020 09:43

Instrument :

MSVOA_W

ClientSampleId :

VSTD02507

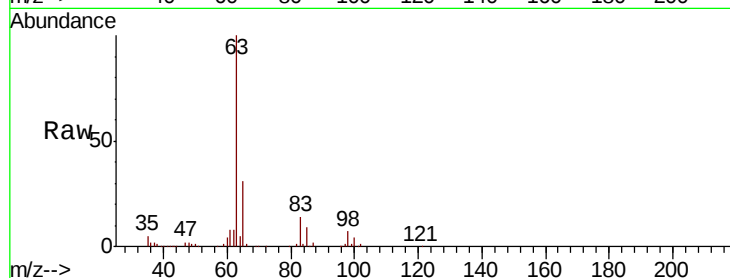
Tot Ion: 63 Resp: 224855

Ion Ratio Lower Upper

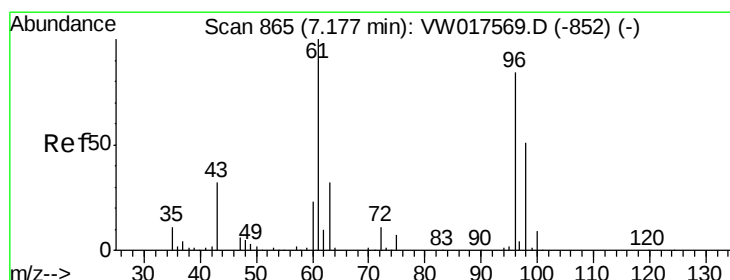
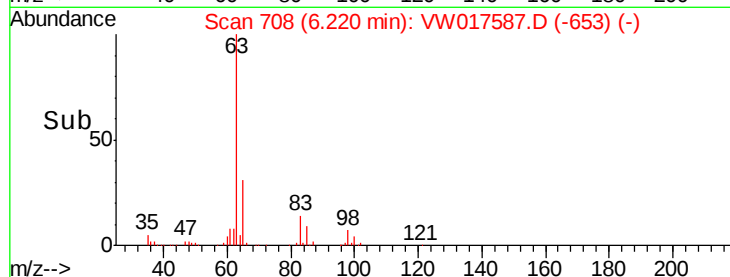
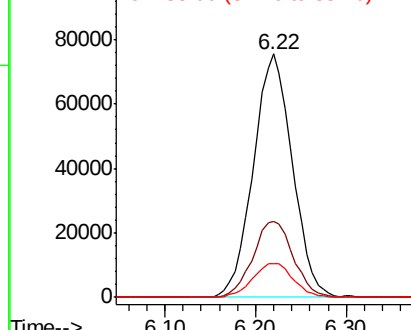
63 100

65 31.3 21.9 40.7

83 14.1 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: 52.700 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW017587.D

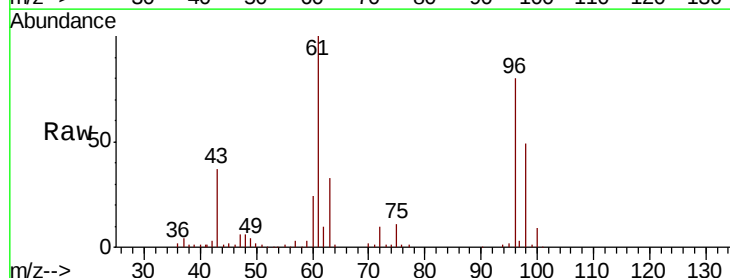
Acq: 08 Dec 2020 09:43

Tgt Ion: 43 Resp: 65830

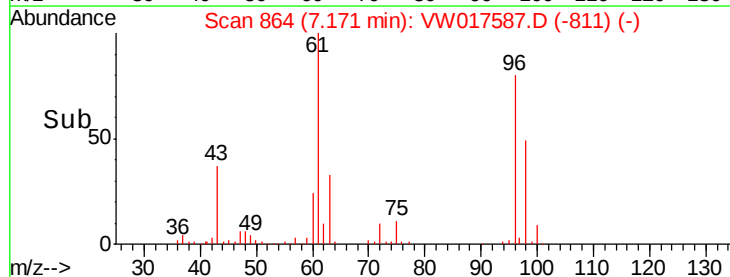
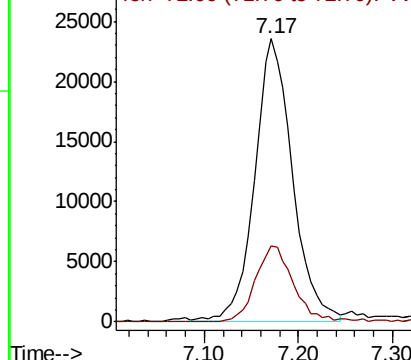
Ion Ratio Lower Upper

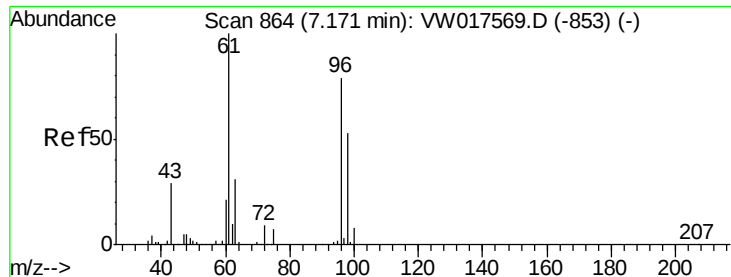
43 100

72 26.7 14.4 43.2



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



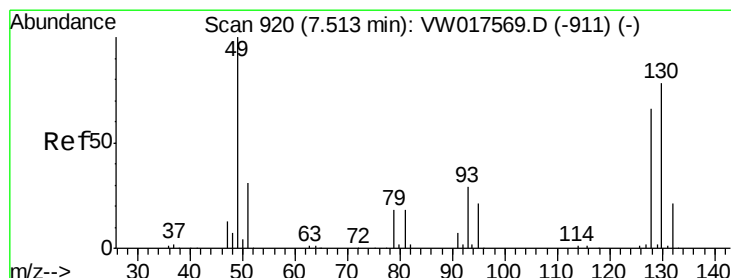
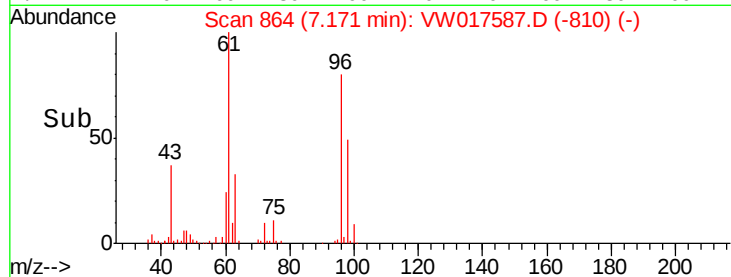
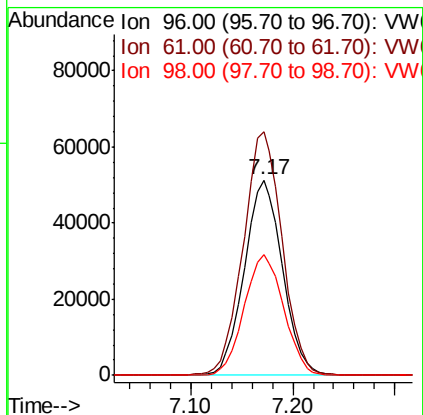
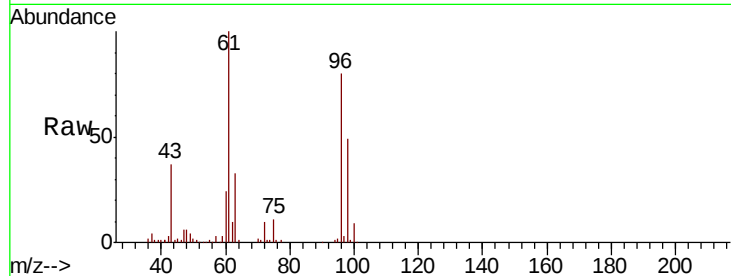


#22

cis-1,2-Dichloroethene
 Concen: 23.780 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW017587.D
 Acq: 08 Dec 2020 09:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02507

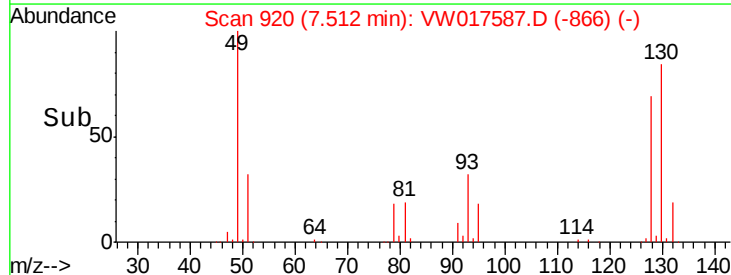
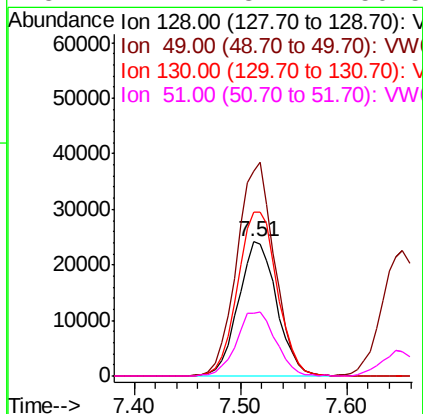
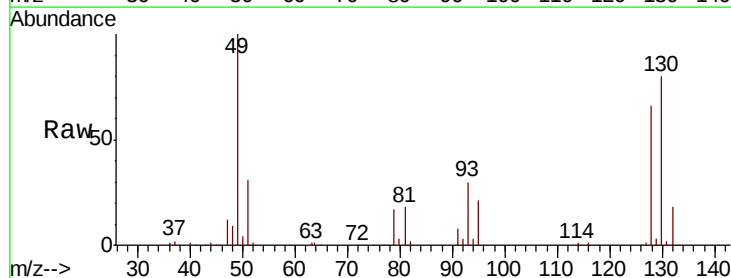
Tot Ion: 96 Resp: 133505
 Ion Ratio Lower Upper
 96 100
 61 124.5 84.6 157.2
 98 61.6 44.7 82.9

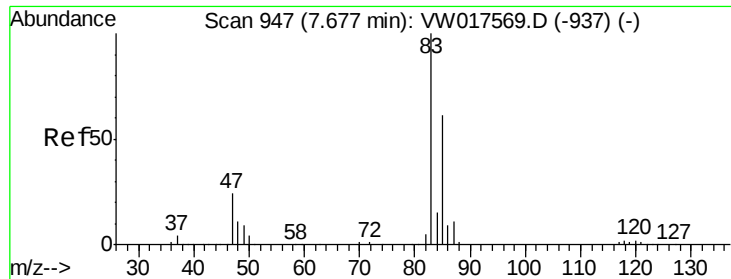


#23

Bromochloromethane
 Concen: 24.093 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW017587.D
 Acq: 08 Dec 2020 09:43

Tgt Ion:128 Resp: 61422
 Ion Ratio Lower Upper
 128 100
 49 152.5 101.6 188.6
 130 122.0 90.4 167.8
 51 47.1 37.7 56.5

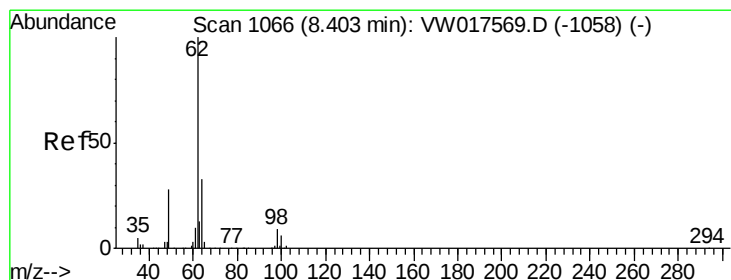
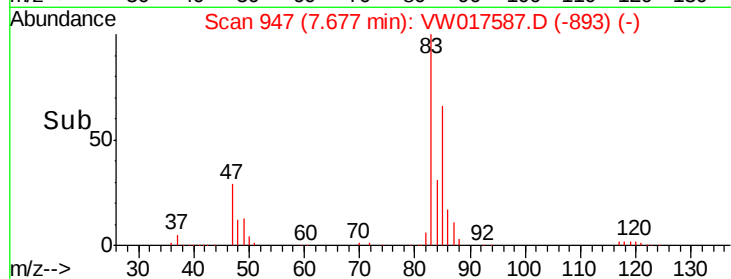
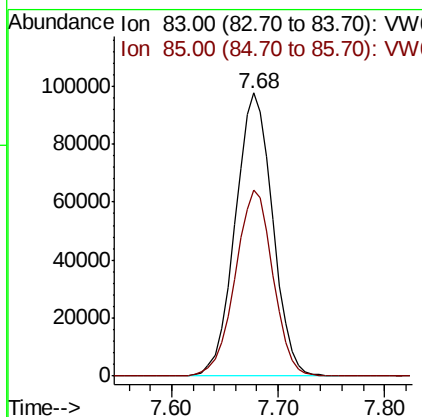
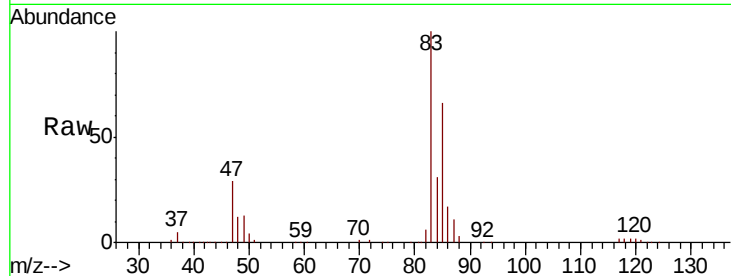




#25
Chloroform
Concen: 25.035 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW017587.D
Acq: 08 Dec 2020 09:43

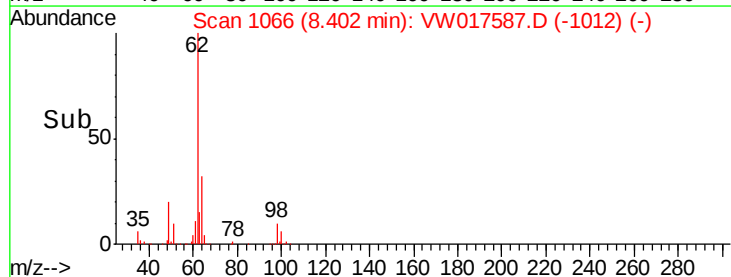
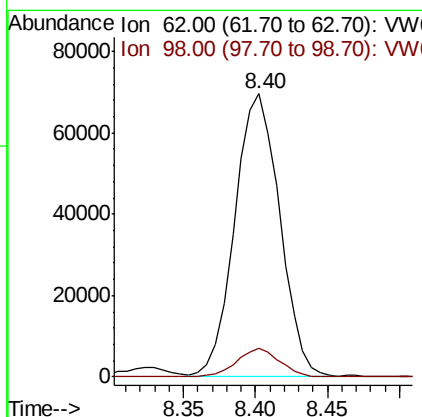
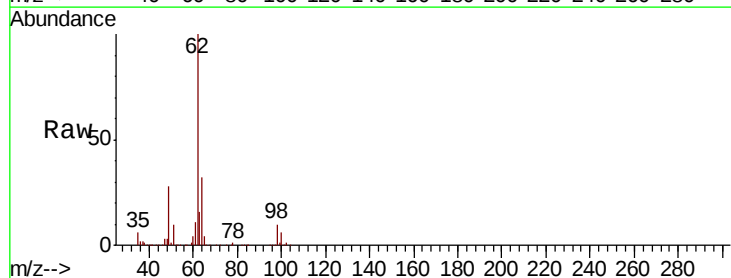
Instrument :
MSVOA_W
ClientSampled :
VSTD02507

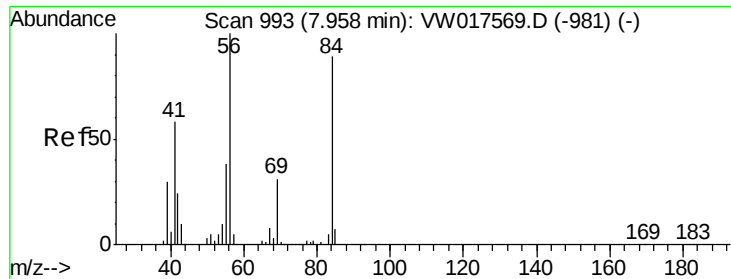
Tot Ion: 83 Resp: 240520
Ion Ratio Lower Upper
83 100
85 66.3 45.7 84.9



#27
1,2-Dichloroethane
Concen: 25.901 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW017587.D
Acq: 08 Dec 2020 09:43

Tgt Ion: 62 Resp: 151180
Ion Ratio Lower Upper
62 100
98 9.9 8.0 12.0

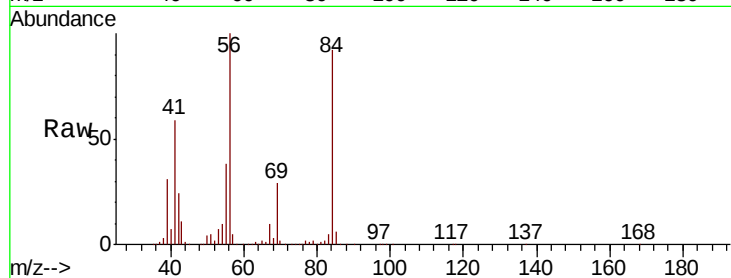




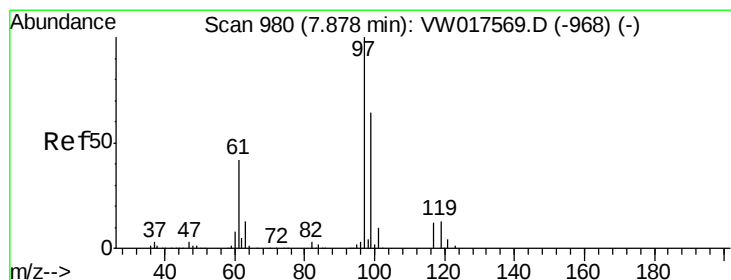
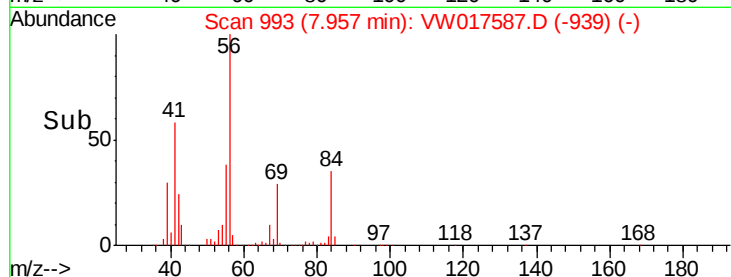
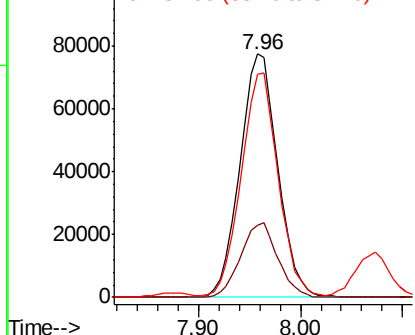
#30
Cyclohexane
Concen: 24.027 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW017587.D
Acq: 08 Dec 2020 09:43

Instrument :
MSVOA_W
ClientSampleId :
VSTD02507

Tot Ion: 56 Resp: 199627
Ion Ratio Lower Upper
56 100
69 30.1 24.8 37.2
84 90.3 74.2 111.4

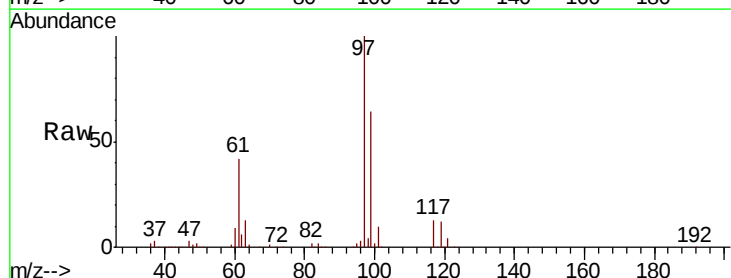


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

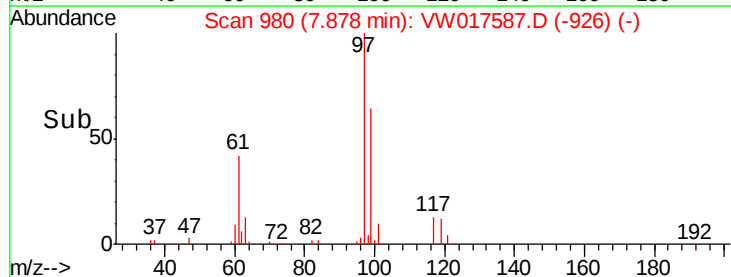
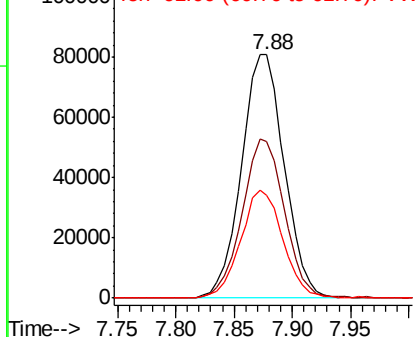


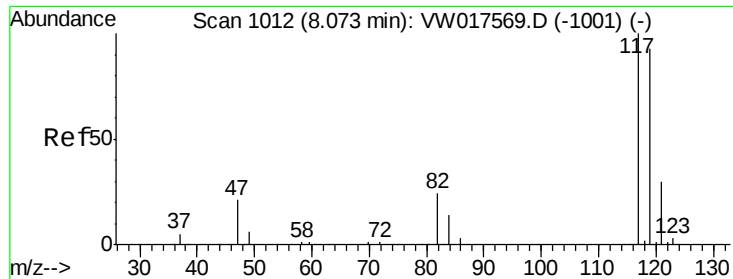
#31
1,1,1-Trichloroethane
Concen: 24.788 ug/L
RT: 7.88 min Scan# 980
Delta R.T. -0.00 min
Lab File: VW017587.D
Acq: 08 Dec 2020 09:43

Tgt Ion: 97 Resp: 206299
Ion Ratio Lower Upper
97 100
99 64.5 51.0 76.4
61 43.7 33.6 50.4



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 24.955 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VW017587.D

Acq: 08 Dec 2020 09:43

Instrument :

MSVOA_W

ClientSampleId :

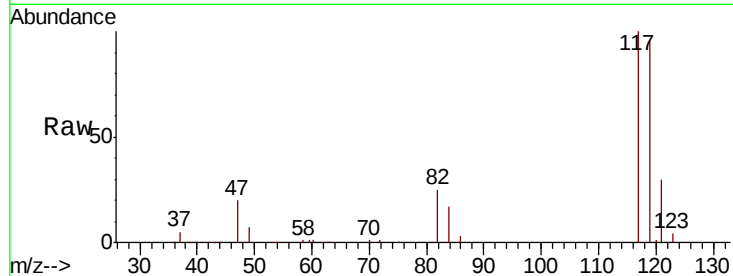
VSTD02507

Tot Ion:117 Resp: 201415

Ion Ratio Lower Upper

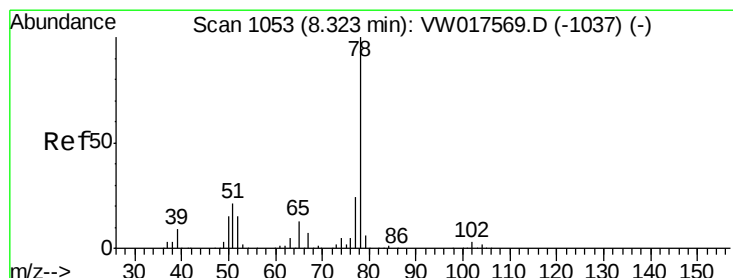
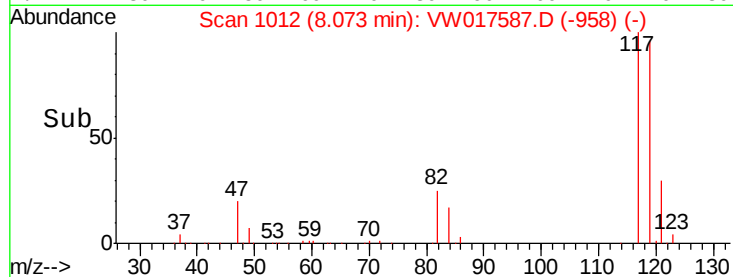
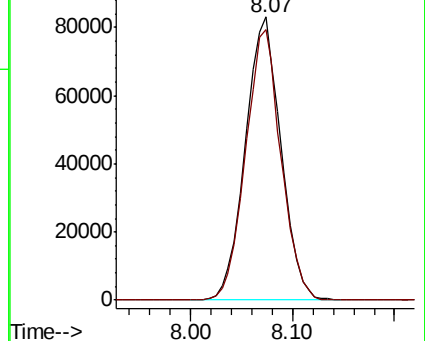
117 100

119 94.9 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: 23.963 ug/L

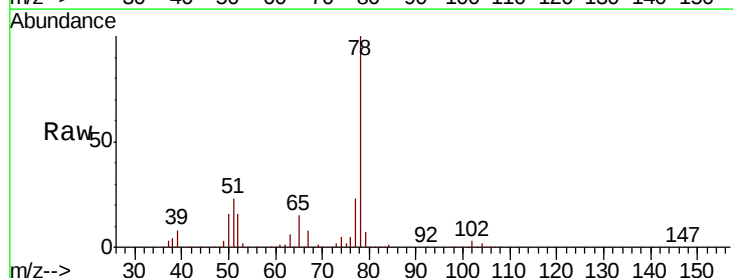
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

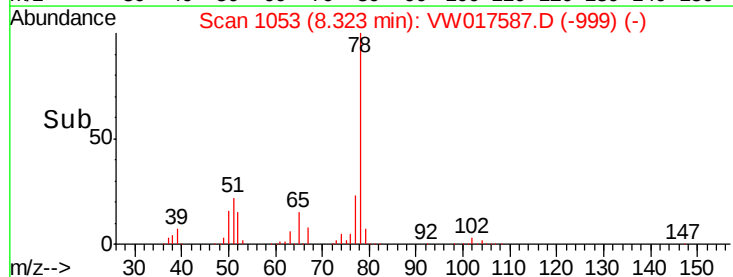
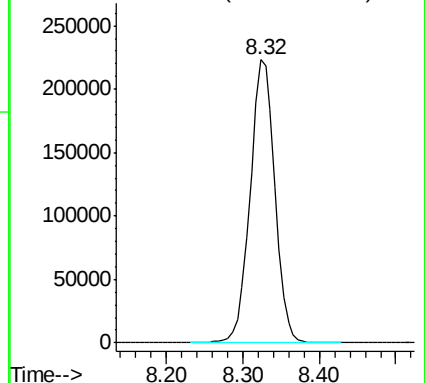
Lab File: VW017587.D

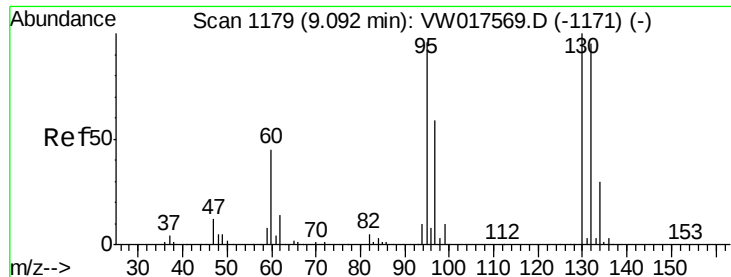
Acq: 08 Dec 2020 09:43

Tgt Ion: 78 Resp: 502169



Abundance Ion 78.00 (77.70 to 78.70): VW

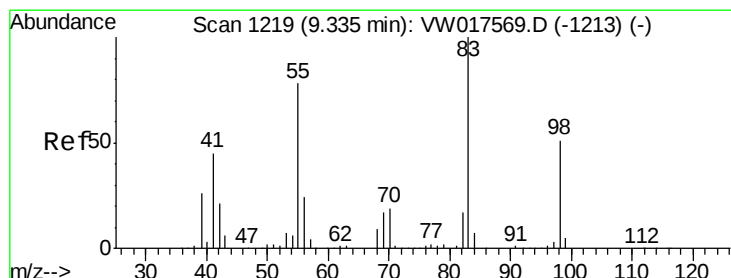
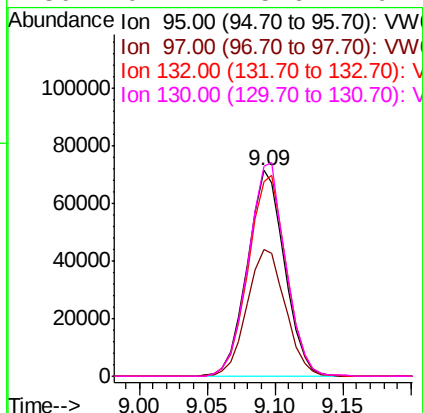
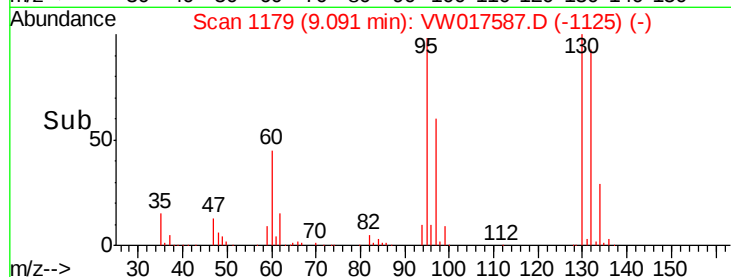
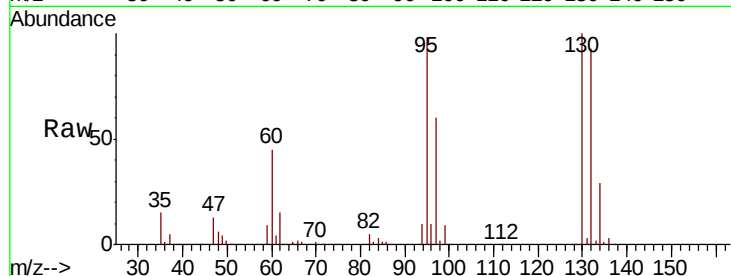




#35
 Trichloroethene
 Concen: 23.543 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW017587.D
 Acq: 08 Dec 2020 09:43

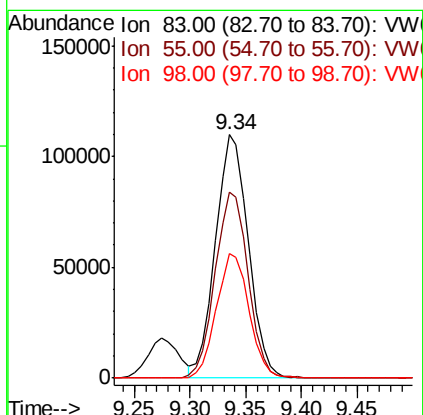
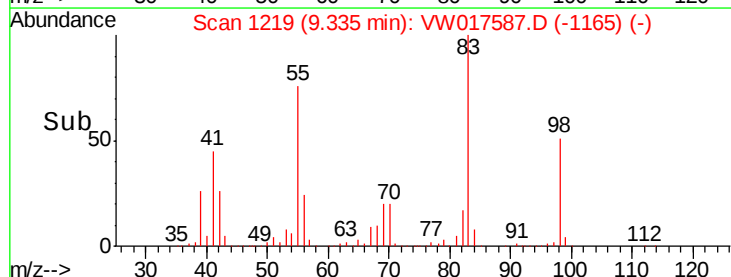
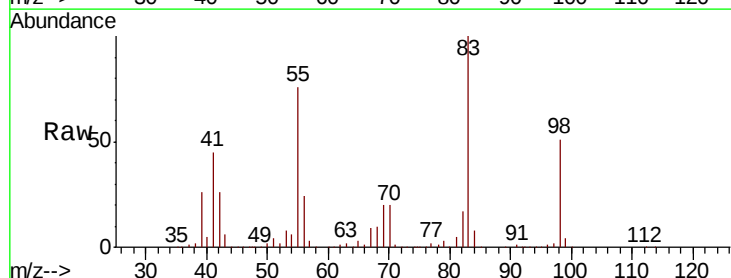
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02507

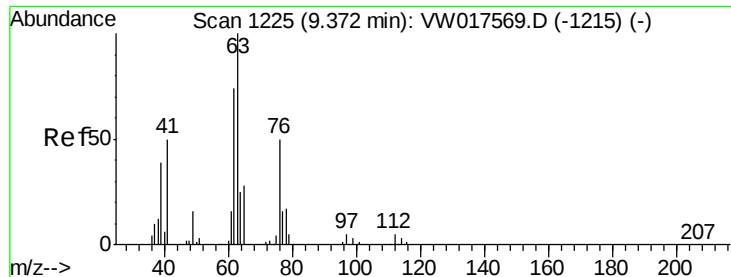
Tot Ion:	95	Resp:	137232
Ion	Ratio	Lower	Upper
95	100		
97	63.7	45.0	83.6
132	99.8	71.0	131.8
130	104.1	75.6	140.4



#36
 Methylcyclohexane
 Concen: 23.467 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW017587.D
 Acq: 08 Dec 2020 09:43

Tgt Ion:	83	Resp:	224839
Ion	Ratio	Lower	Upper
83	100		
55	76.4	59.4	89.0
98	50.8	40.7	61.1

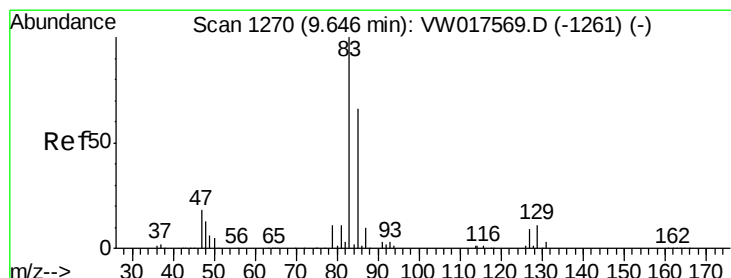
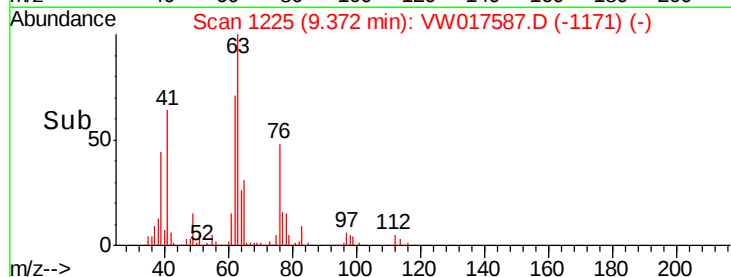
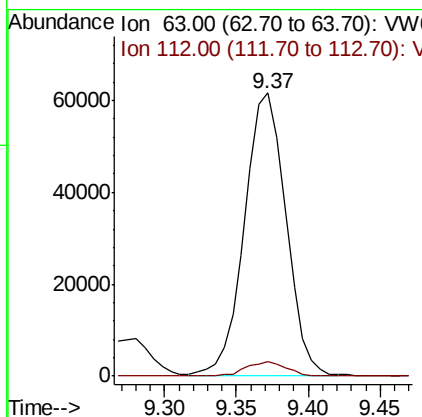
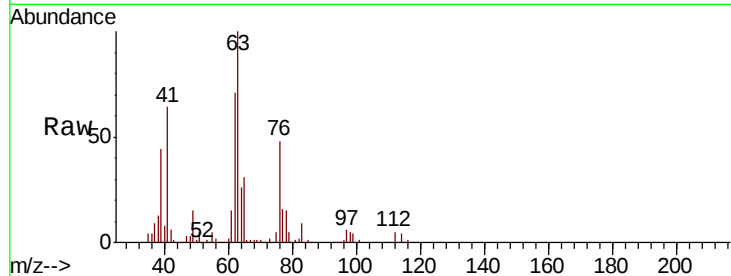




#40
 1,2-Dichloropropane
 Concen: 24.972 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW017587.D
 Acq: 08 Dec 2020 09:43

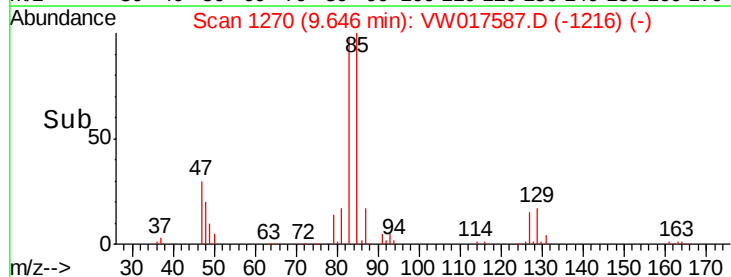
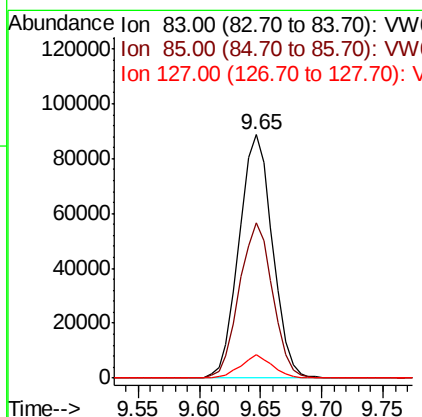
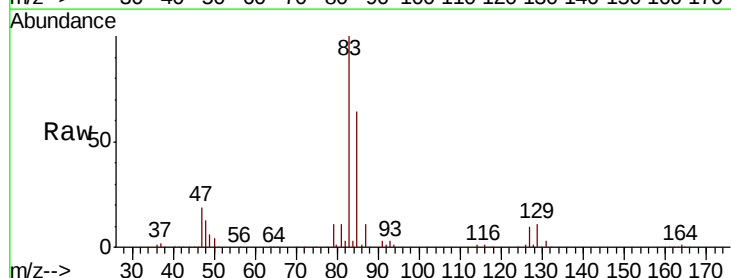
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02507

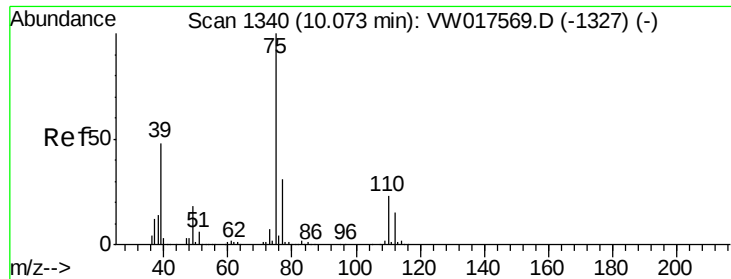
Tot Ion: 63 Resp: 123469
 Ion Ratio Lower Upper
 63 100
 112 5.0 4.2 6.4



#41
 Bromodichloromethane
 Concen: 24.692 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW017587.D
 Acq: 08 Dec 2020 09:43

Tgt Ion: 83 Resp: 168808
 Ion Ratio Lower Upper
 83 100
 85 63.6 46.8 86.8
 127 9.6 7.6 11.4





#42

cis-1,3-Dichloropropene

Concen: 24.884 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW017587.D

Acq: 08 Dec 2020 09:43

Instrument :

MSVOA_W

ClientSampleId :

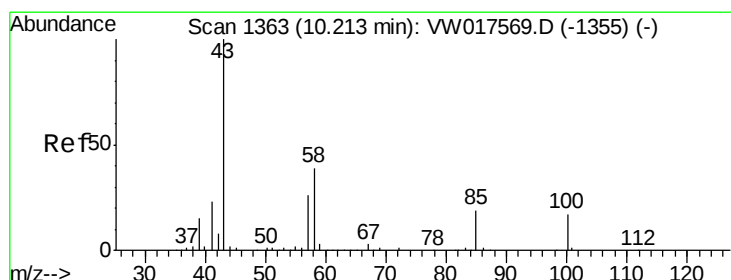
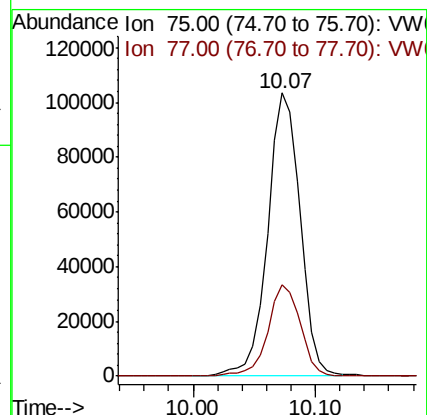
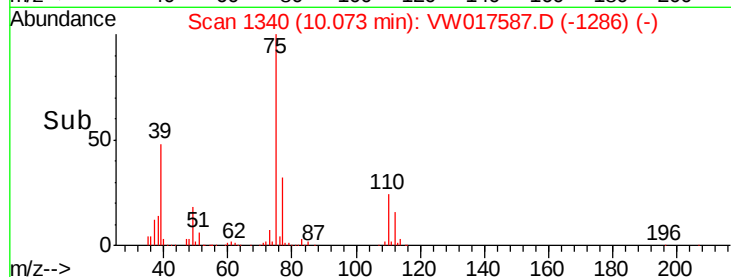
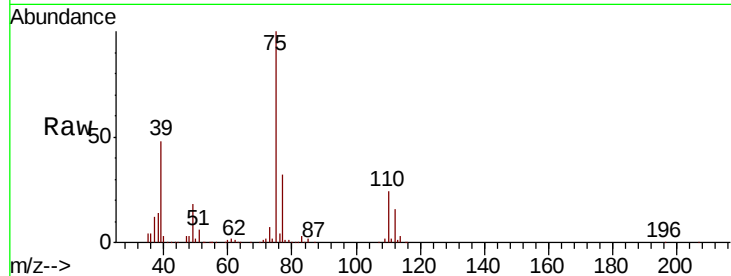
VSTD02507

Tot Ion: 75 Resp: 191340

Ion Ratio Lower Upper

75 100

77 32.2 22.7 42.3



#43

4-Methyl-2-pentanone

Concen: 52.906 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW017587.D

Acq: 08 Dec 2020 09:43

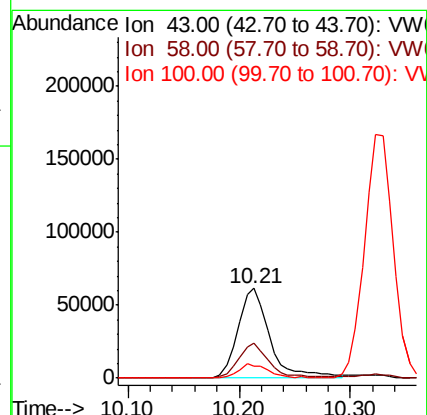
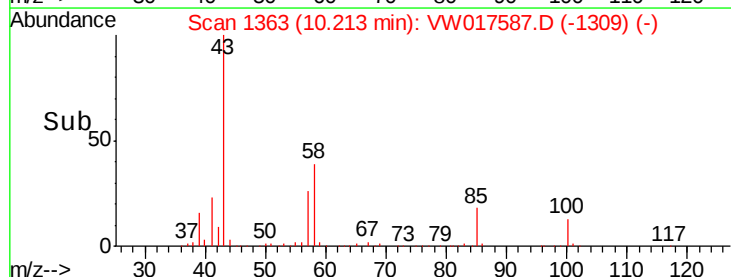
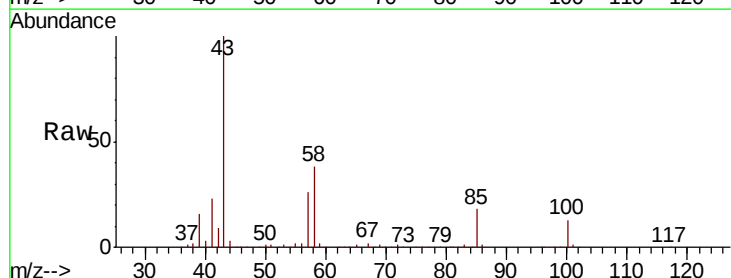
Tgt Ion: 43 Resp: 122404

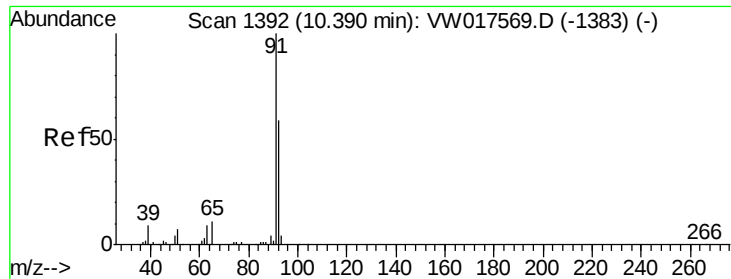
Ion Ratio Lower Upper

43 100

58 35.5 31.6 47.4

100 14.7 14.1 21.1





#44

Toluene

Concen: 24.268 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW017587.D

Acq: 08 Dec 2020 09:43

Instrument :

MSVOA_W

ClientSampleId :

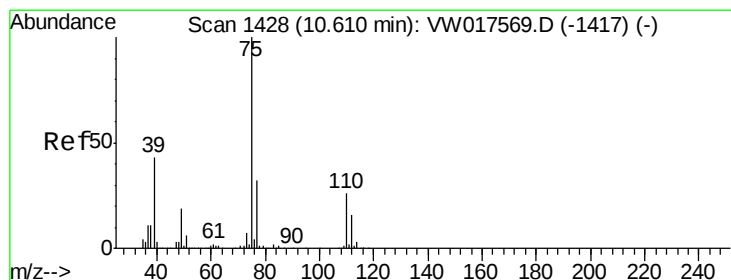
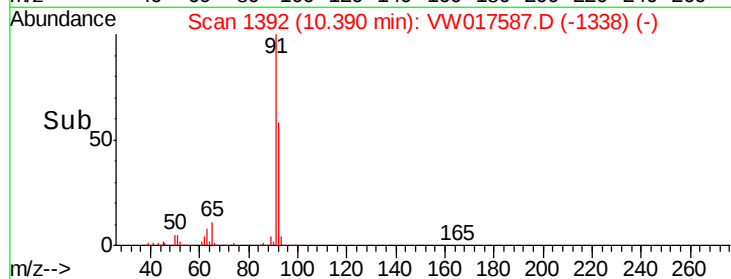
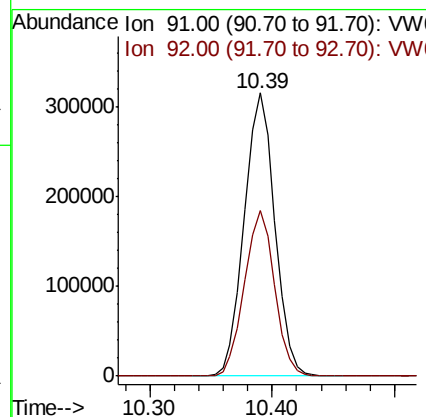
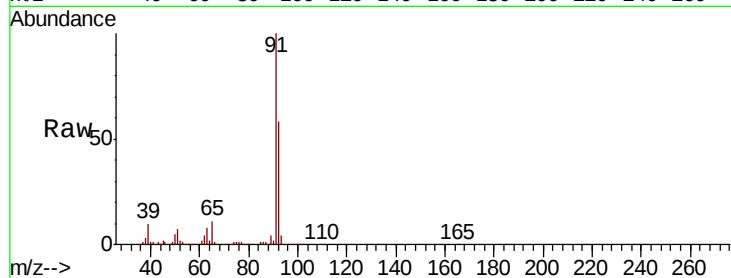
VSTD02507

Tot Ion: 91 Resp: 548174

Ion Ratio Lower Upper

91 100

92 58.4 41.6 77.3



#45

trans-1,3-Dichloropropene

Concen: 25.659 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW017587.D

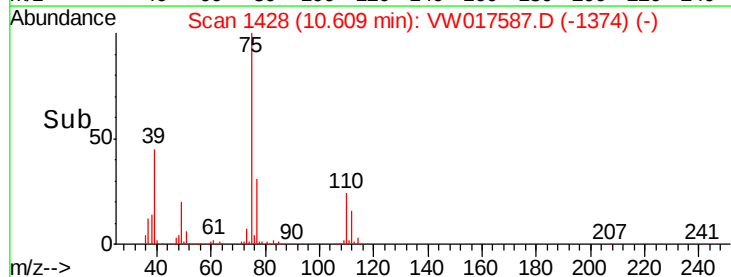
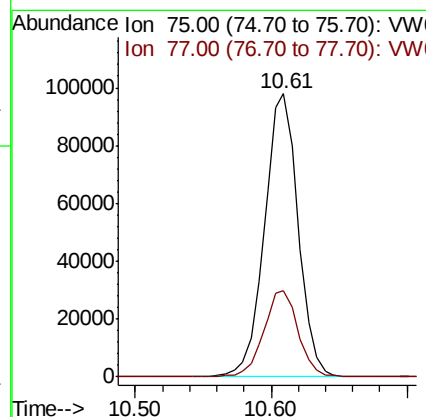
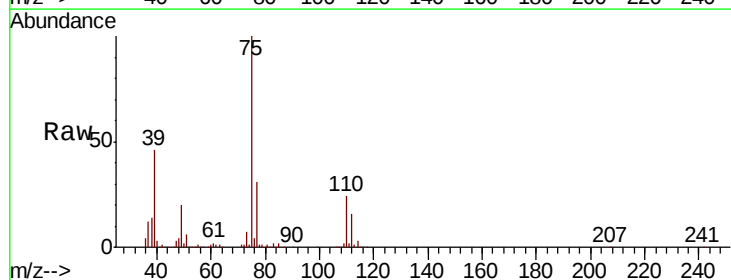
Acq: 08 Dec 2020 09:43

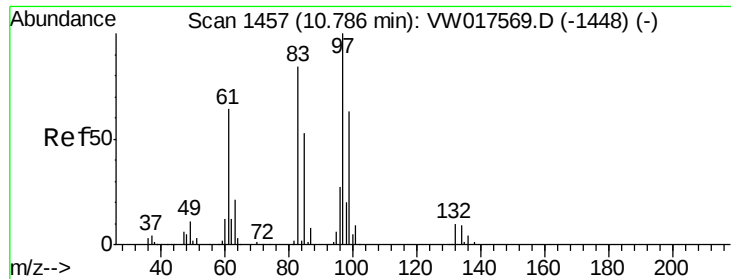
Tgt Ion: 75 Resp: 169810

Ion Ratio Lower Upper

75 100

77 30.6 22.6 42.0

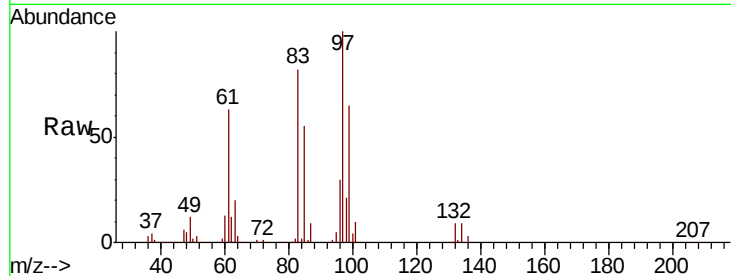




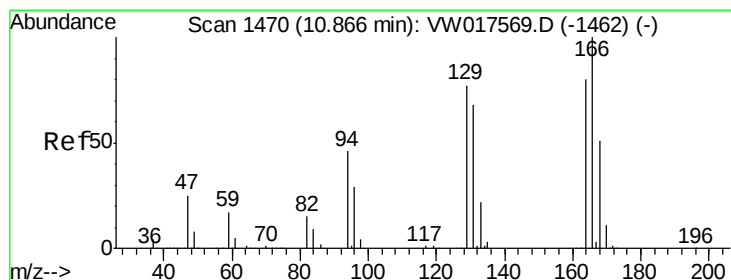
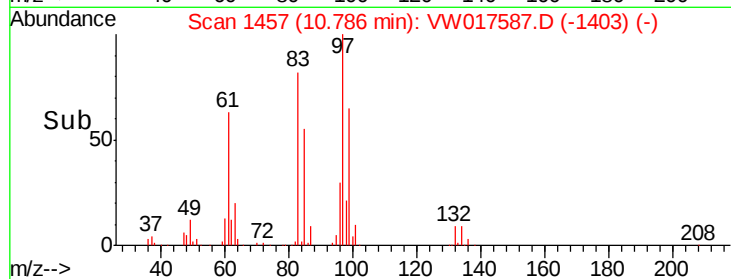
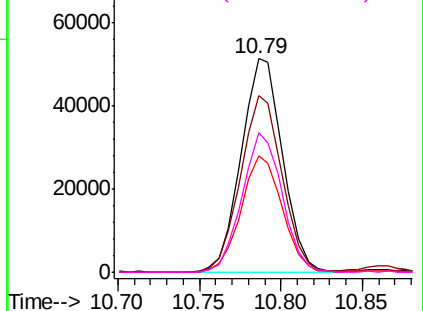
#46
1,1,2-Trichloroethane
Concen: 24.356 ug/L
RT: 10.79 min Scan# 1457
Delta R.T. -0.00 min
Lab File: VW017587.D
Acq: 08 Dec 2020 09:43

Instrument :
MSVOA_W
ClientSampleId :
VSTD02507

Tot Ion: 97 Resp: 90871
Ion Ratio Lower Upper
97 100
83 82.4 58.5 108.7
85 54.8 37.8 70.2
99 65.4 43.7 81.1

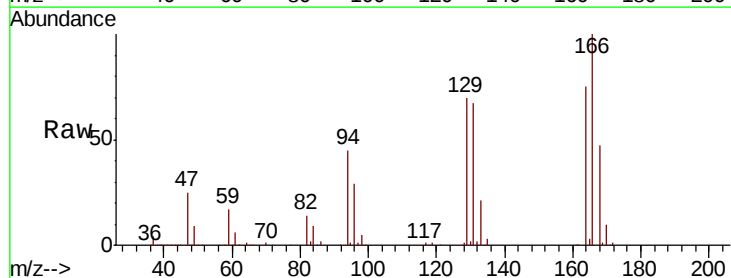


Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 83.00 (82.70 to 83.70): VW
Ion 85.00 (84.70 to 85.70): VW
Ion 99.00 (98.70 to 99.70): VW

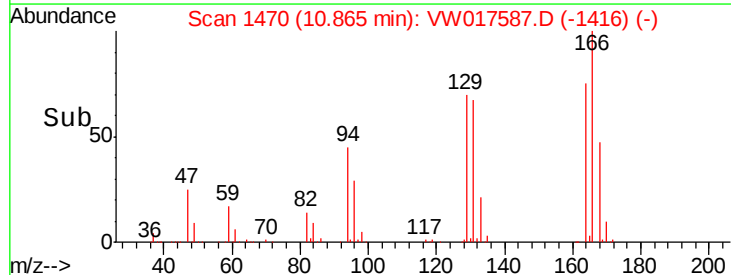
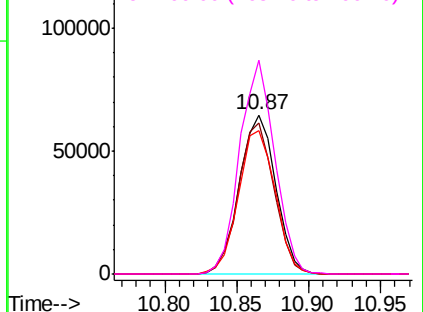


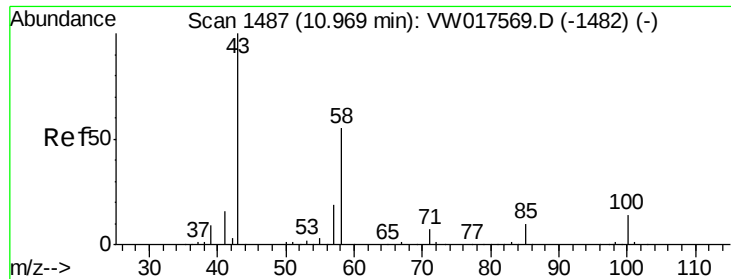
#47
Tetrachloroethene
Concen: 22.980 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW017587.D
Acq: 08 Dec 2020 09:43

Tgt Ion: 164 Resp: 113428
Ion Ratio Lower Upper
164 100
129 94.4 67.6 125.6
131 90.4 65.2 121.2
166 134.1 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

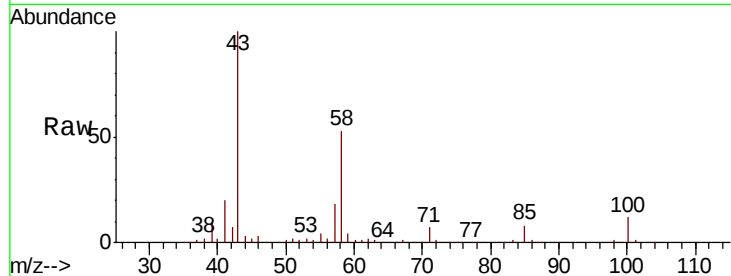




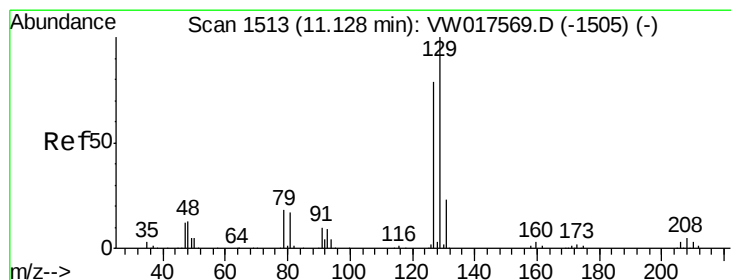
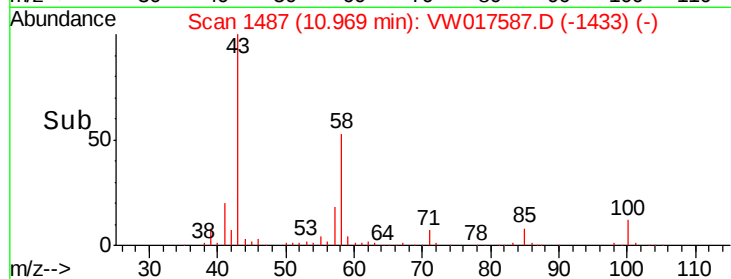
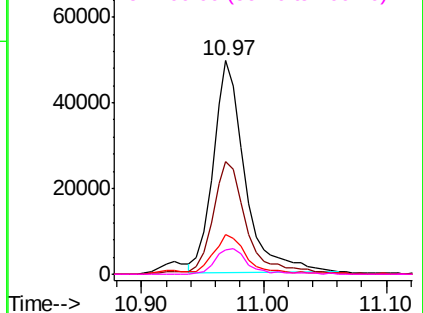
#49
2-Hexanone
Concen: 53.038 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW017587.D
Acq: 08 Dec 2020 09:43

Instrument :
MSVOA_W
ClientSampleId :
VSTD02507

Tot Ion: 43 Resp: 89479
Ion Ratio Lower Upper
43 100
58 54.8 51.3 76.9
57 19.1 15.0 22.6
100 12.2 12.2 18.2

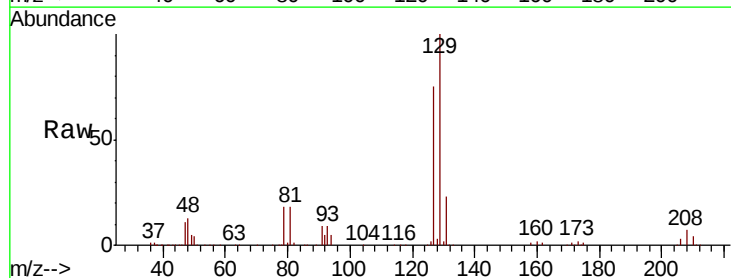


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW
Ion 57.00 (56.70 to 57.70): VW
Ion 100.00 (99.70 to 100.70): VW

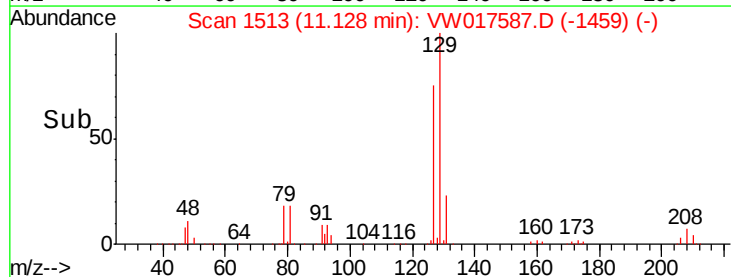
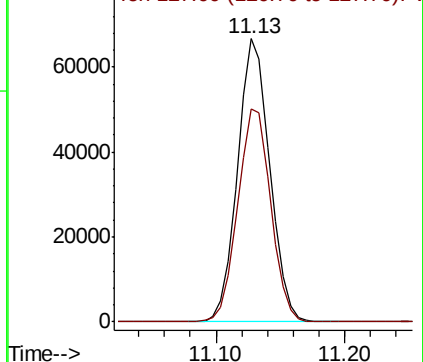


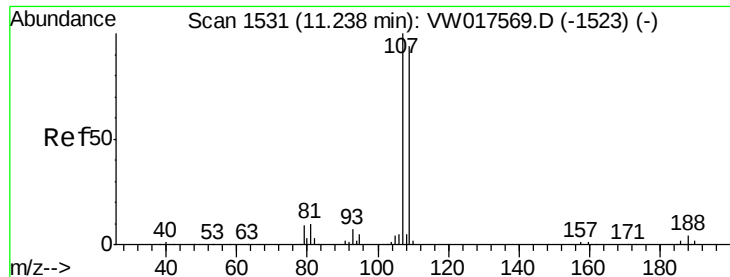
#50
Dibromochloromethane
Concen: 24.917 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW017587.D
Acq: 08 Dec 2020 09:43

Tgt Ion: 129 Resp: 115229
Ion Ratio Lower Upper
129 100
127 75.1 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: 23.733 ug/L

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW017587.D

Acq: 08 Dec 2020 09:43

Instrument :

MSVOA_W

ClientSampleId :

VSTD02507

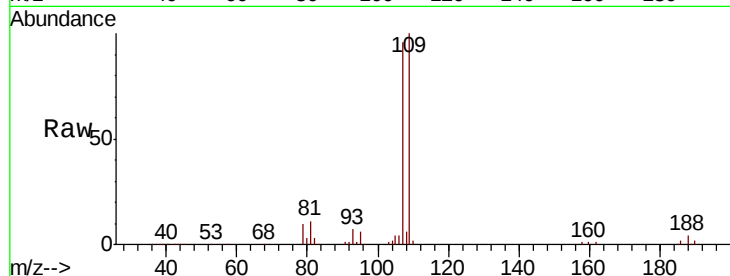
Tot Ion:107 Resp: 84655

Ion Ratio Lower Upper

107 100

109 104.0 66.4 123.2

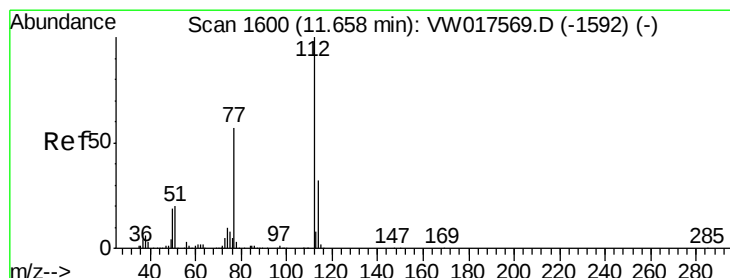
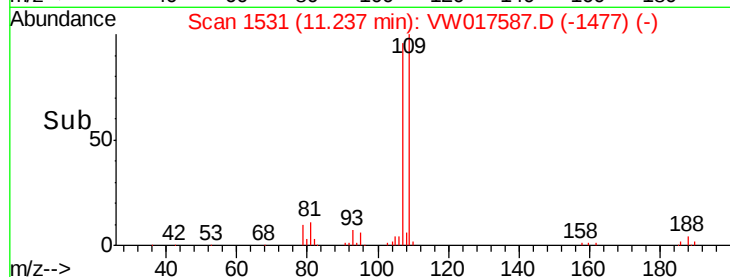
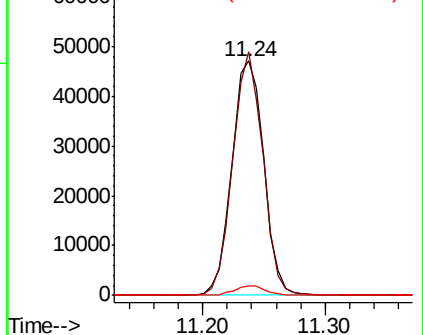
188 4.3 4.0 6.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 23.831 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW017587.D

Acq: 08 Dec 2020 09:43

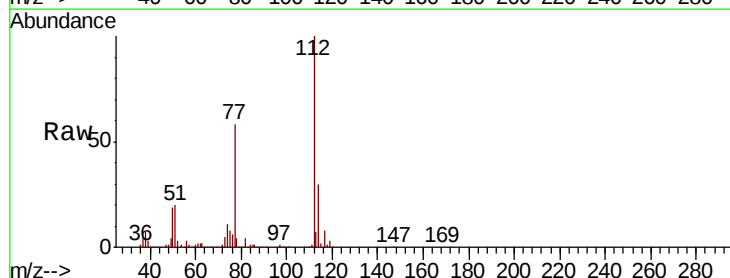
Tgt Ion:112 Resp: 351657

Ion Ratio Lower Upper

112 100

77 57.5 42.6 64.0

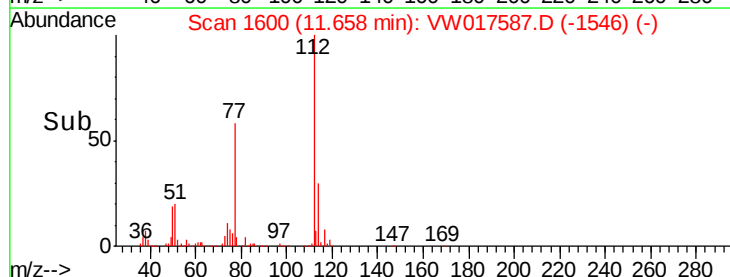
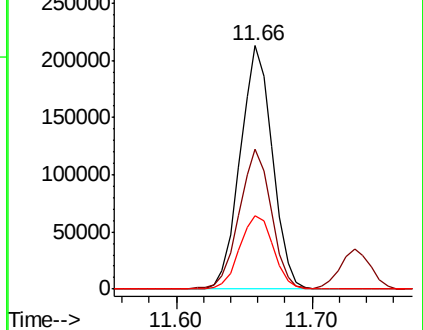
114 29.9 21.6 40.2

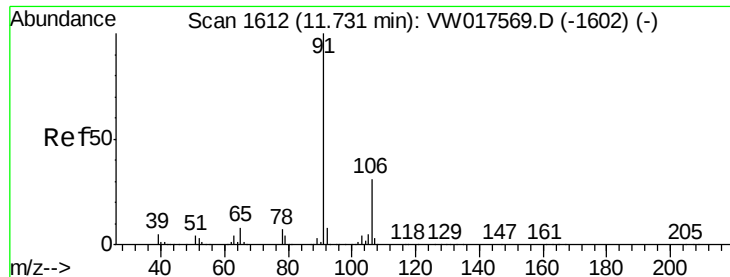


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 114.00 (113.70 to 114.70): V

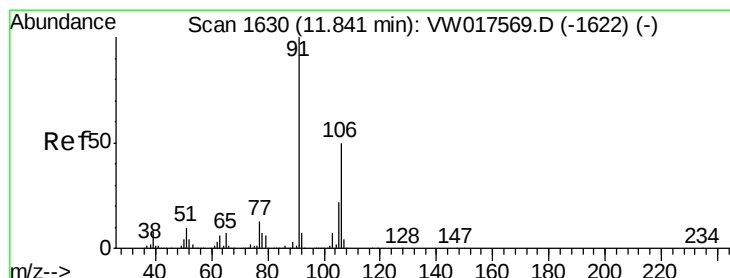
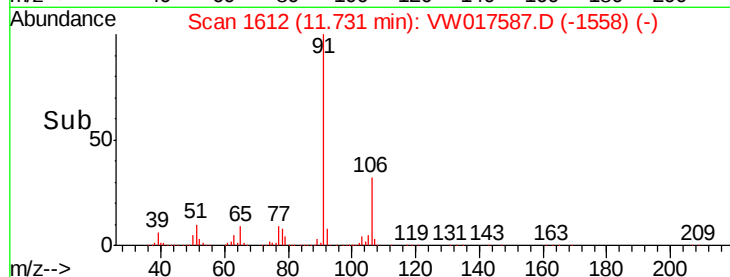
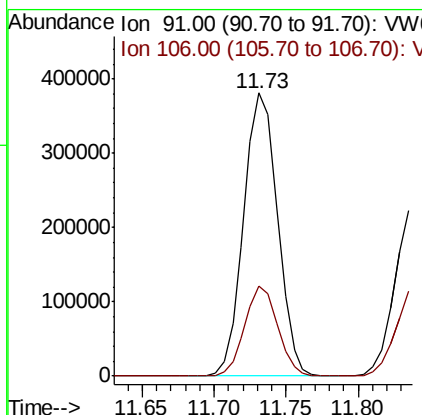
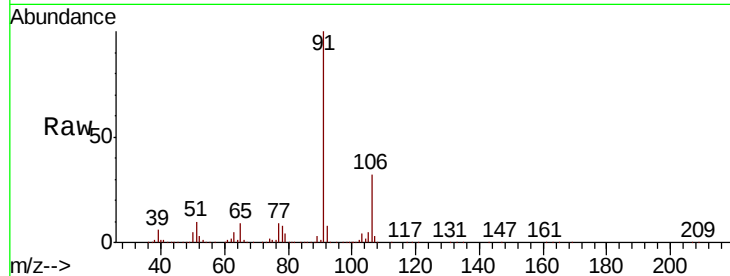




#53
Ethylbenzene
Concen: 24.357 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW017587.D
Acq: 08 Dec 2020 09:43

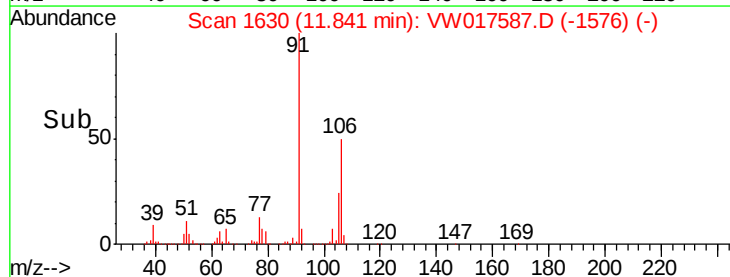
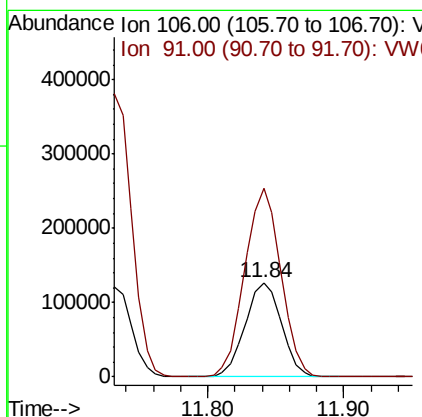
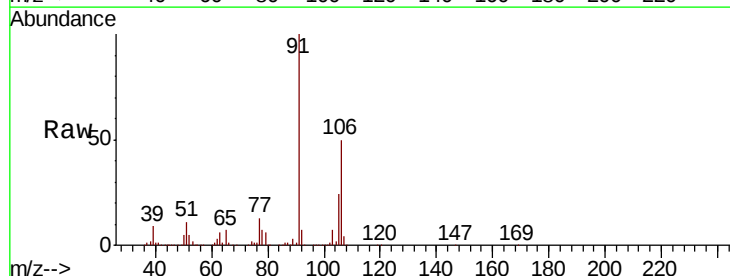
Instrument :
MSVOA_W
ClientSampleId :
VSTD02507

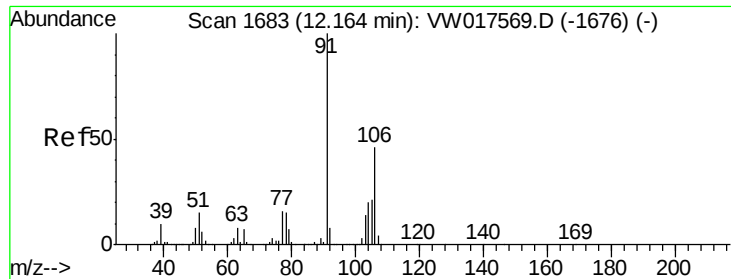
Tot Ion: 91 Resp: 622576
Ion Ratio Lower Upper
91 100
106 31.6 21.1 39.1



#54
m,p-Xylene
Concen: 24.374 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW017587.D
Acq: 08 Dec 2020 09:43

Tgt Ion: 106 Resp: 237474
Ion Ratio Lower Upper
106 100
91 199.8 136.4 253.4

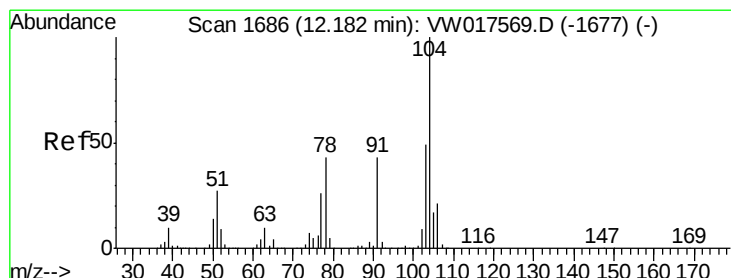
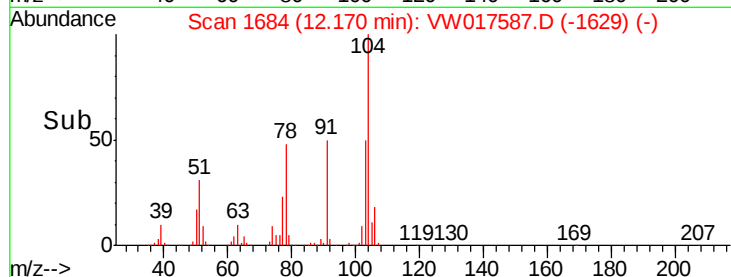
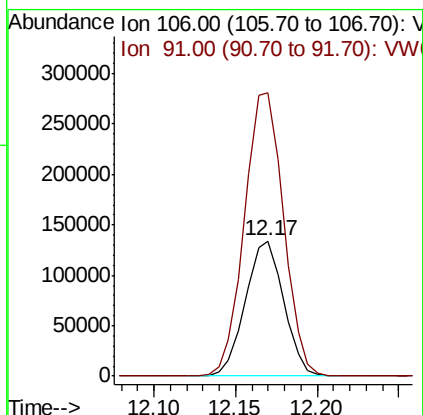
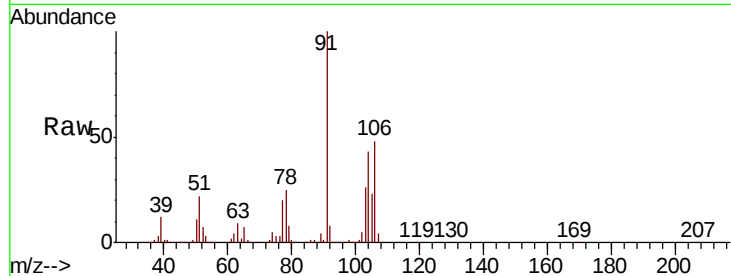




#55
o-xylene
Concen: 24.308 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW017587.D
Acq: 08 Dec 2020 09:43

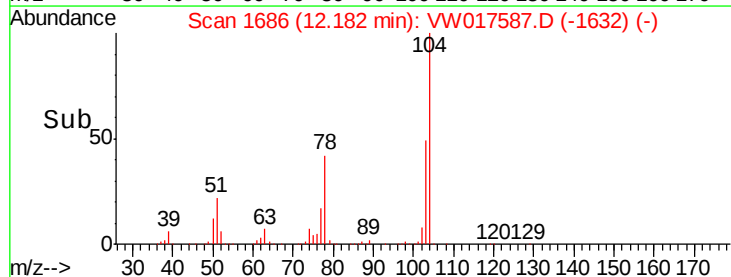
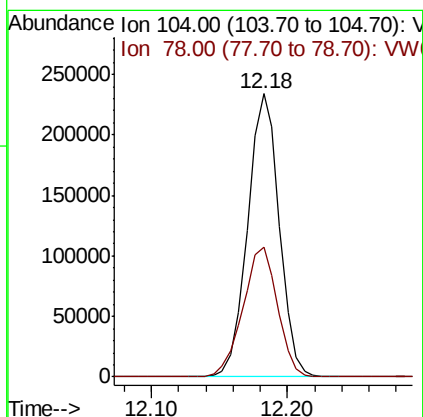
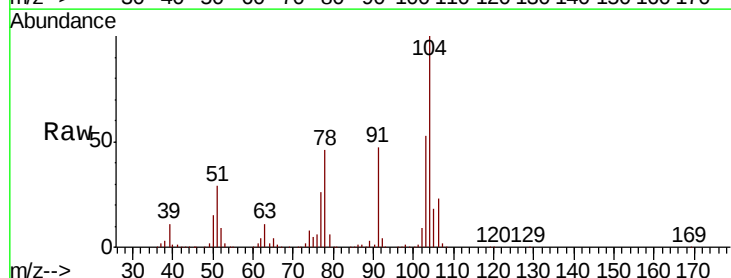
Instrument :
MSVOA_W
ClientSampled :
VSTD02507

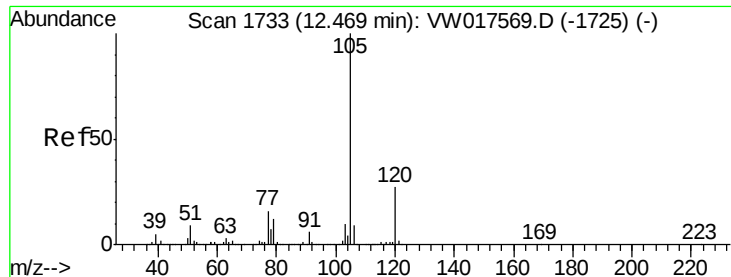
Tot Ion:106 Resp: 220488
Ion Ratio Lower Upper
106 100
91 209.3 147.6 274.2



#56
Styrene
Concen: 24.944 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW017587.D
Acq: 08 Dec 2020 09:43

Tgt Ion:104 Resp: 381025
Ion Ratio Lower Upper
104 100
78 45.9 31.3 58.1





#57

Isopropylbenzene

Concen: 24.728 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW017587.D

Acq: 08 Dec 2020 09:43

Instrument :

MSVOA_W

ClientSampleId :

VSTD02507

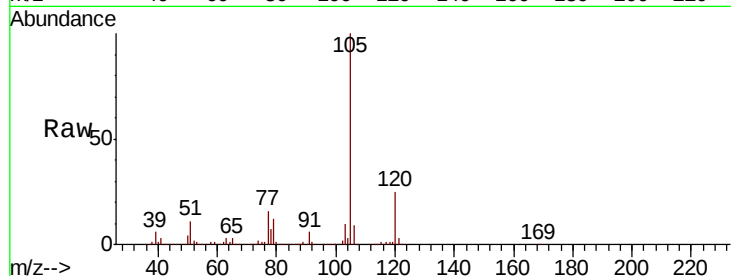
Tot Ion:105 Resp: 616360

Ion Ratio Lower Upper

105 100

120 26.7 21.4 32.2

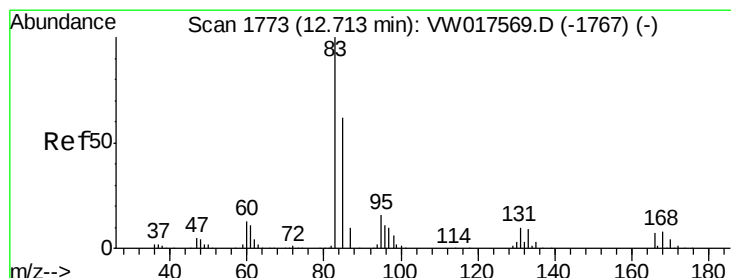
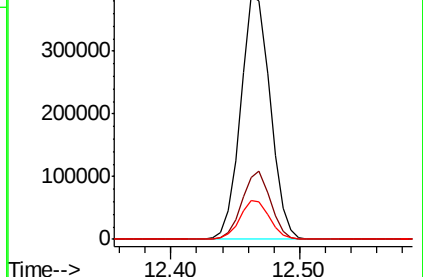
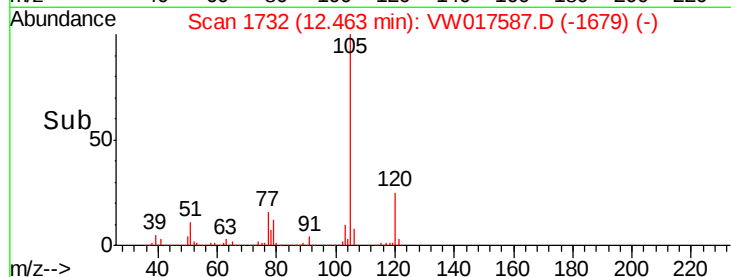
77 16.0 12.1 18.1



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: 25.551 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW017587.D

Acq: 08 Dec 2020 09:43

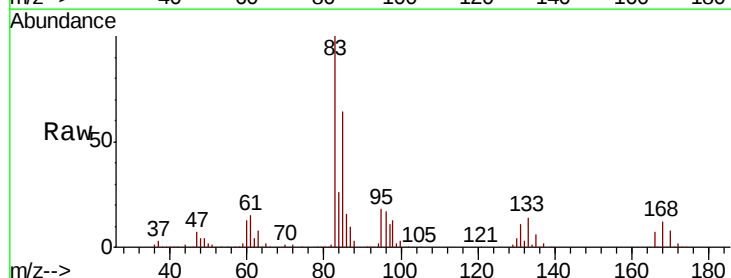
Tgt Ion: 83 Resp: 103232

Ion Ratio Lower Upper

83 100

85 63.7 45.3 84.1

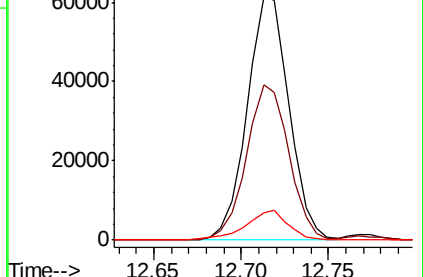
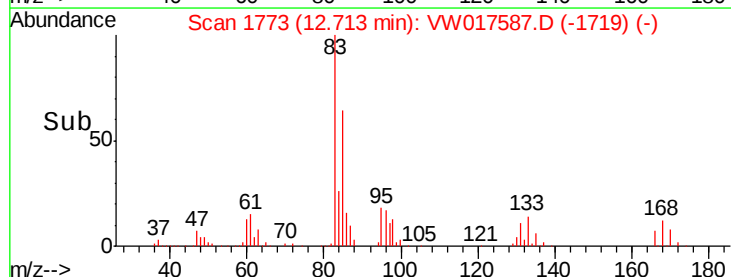
131 11.3 8.3 12.5

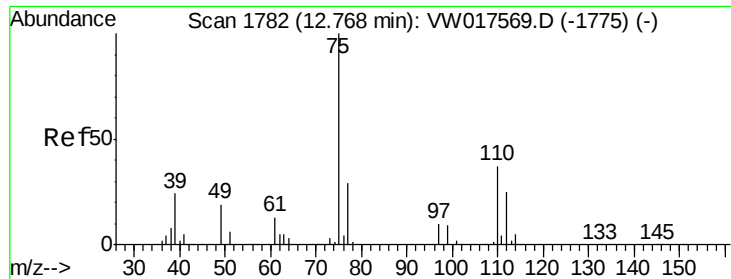


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 25.438 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW017587.D

Acq: 08 Dec 2020 09:43

Instrument :

MSVOA_W

ClientSampleId :

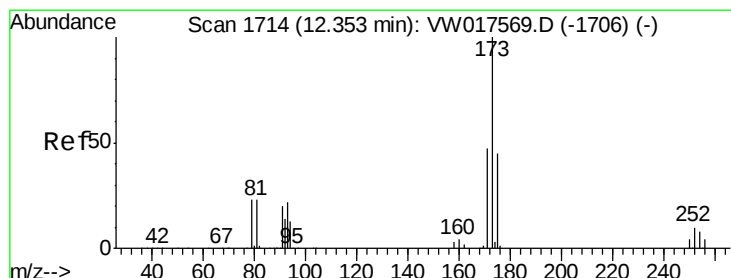
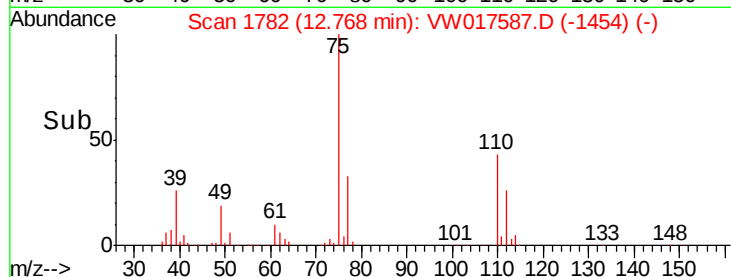
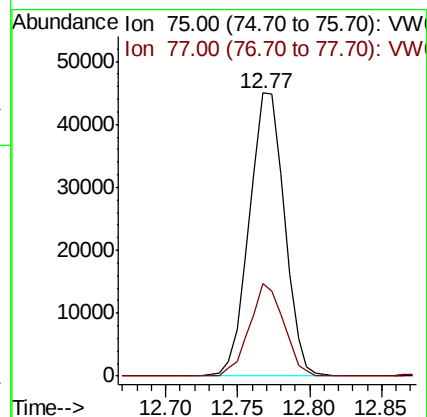
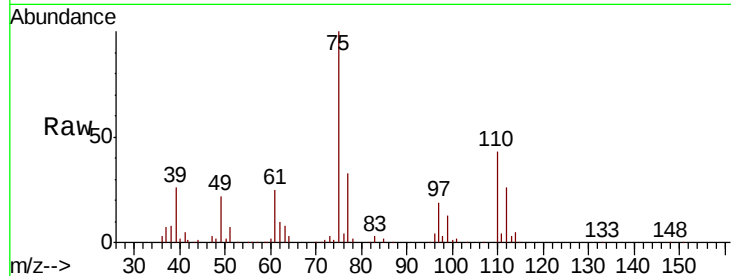
VSTD02507

Tot Ion: 75 Resp: 75876

Ion Ratio Lower Upper

75 100

77 31.9 26.6 39.8



#62

Bromoform

Concen: 25.162 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW017587.D

Acq: 08 Dec 2020 09:43

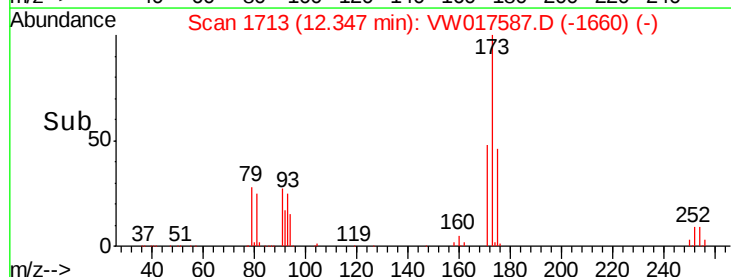
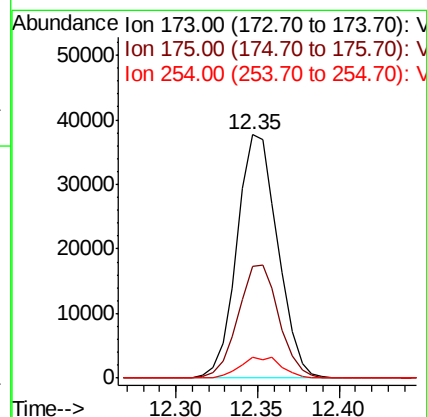
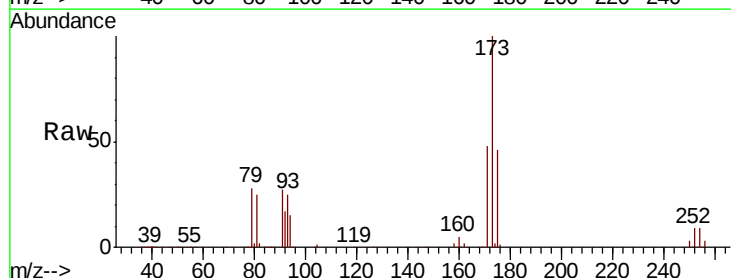
Tgt Ion:173 Resp: 65664

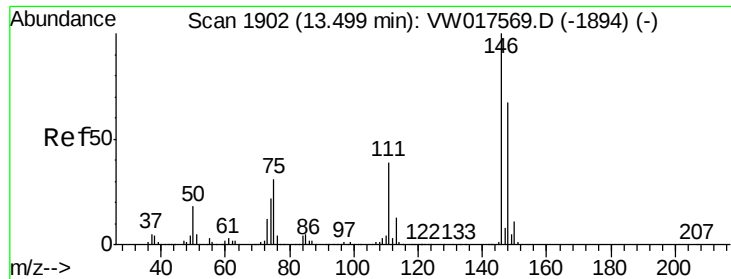
Ion Ratio Lower Upper

173 100

175 46.8 39.1 58.7

254 9.0 7.1 10.7

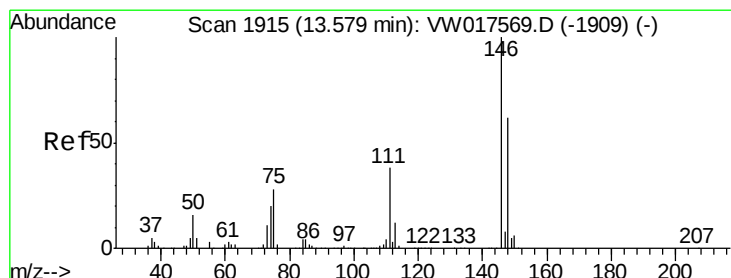
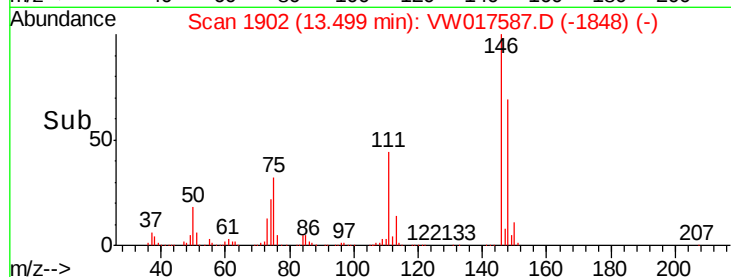
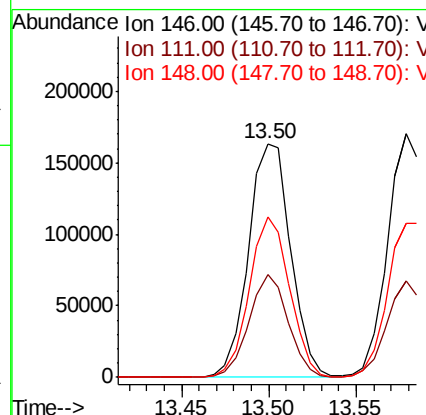
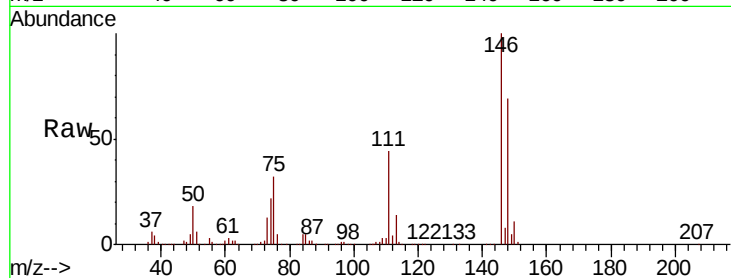




#63
 1,3-Dichlorobenzene
 Concen: 23.620 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW017587.D
 Acq: 08 Dec 2020 09:43

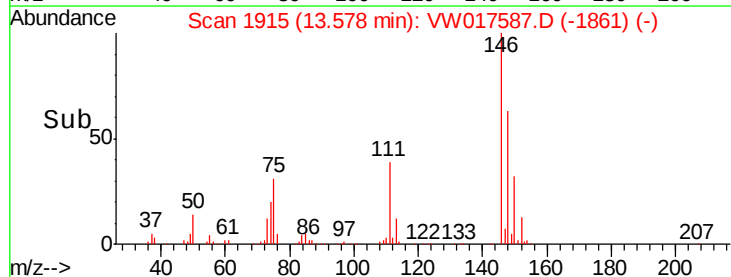
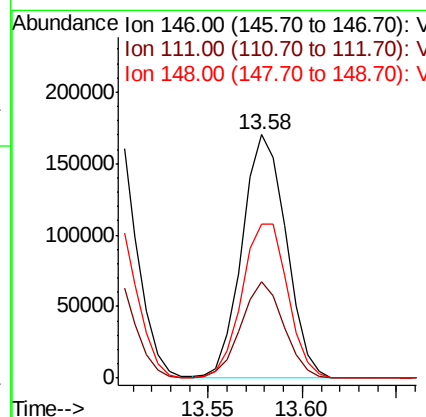
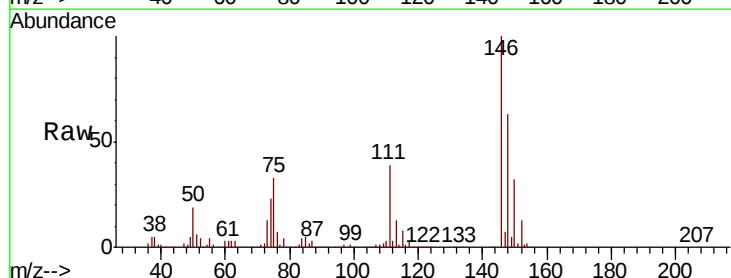
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02507

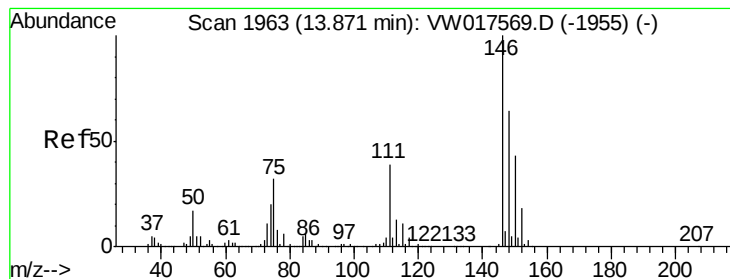
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.2	28.5	52.9
148	68.5	47.8	88.8



#64
 1,4-Dichlorobenzene
 Concen: 23.820 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW017587.D
 Acq: 08 Dec 2020 09:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	27.7	51.5
148	63.3	47.0	87.2





#65

1,2-Dichlorobenzene

Concen: 24.671 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW017587.D

Acq: 08 Dec 2020 09:43

Instrument :

MSVOA_W

ClientSampleId :

VSTD02507

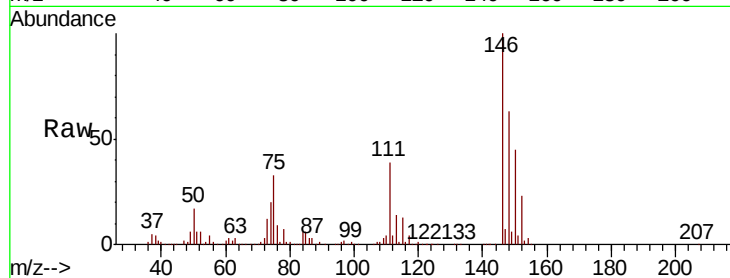
Tot Ion:146 Resp: 249090

Ion Ratio Lower Upper

146 100

111 39.3 31.7 47.5

148 62.8 49.3 73.9

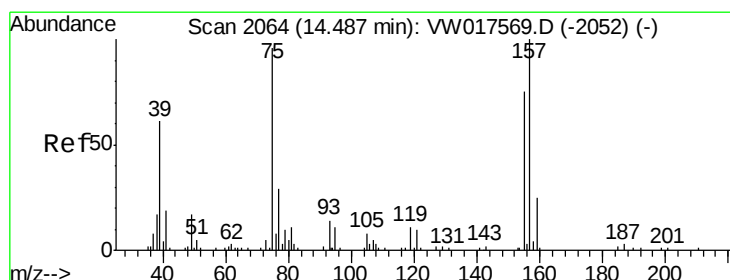
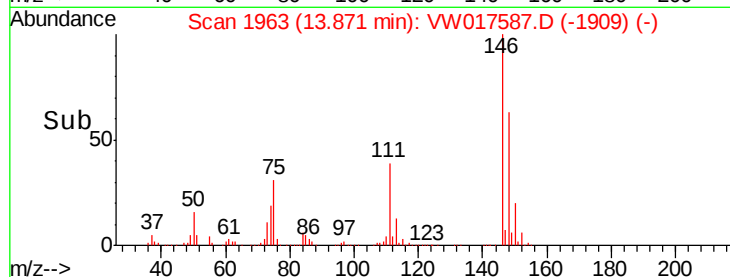
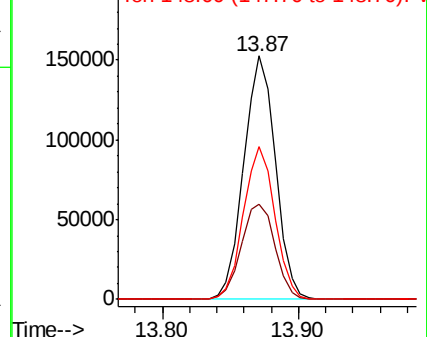


Abundance

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: 24.822 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW017587.D

Acq: 08 Dec 2020 09:43

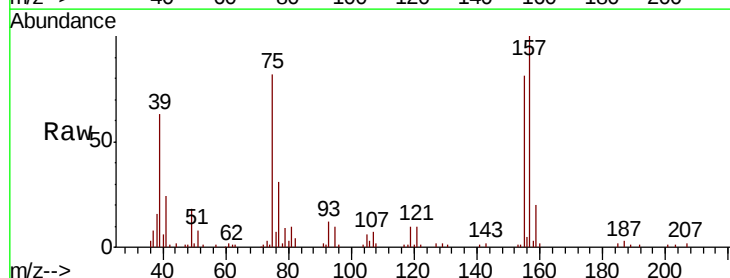
Tgt Ion: 75 Resp: 16598

Ion Ratio Lower Upper

75 100

157 121.6 99.9 149.9

155 99.0 71.4 107.0

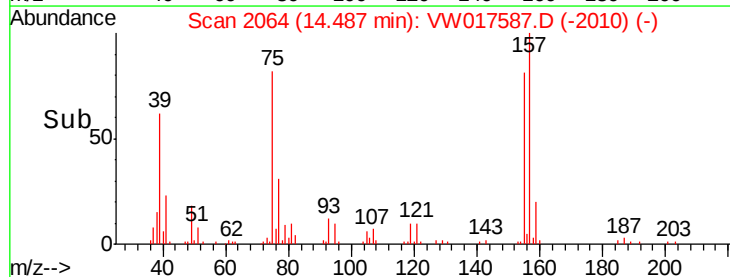
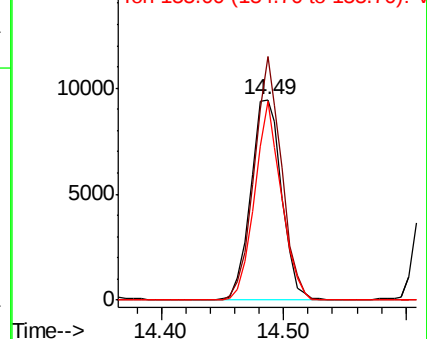


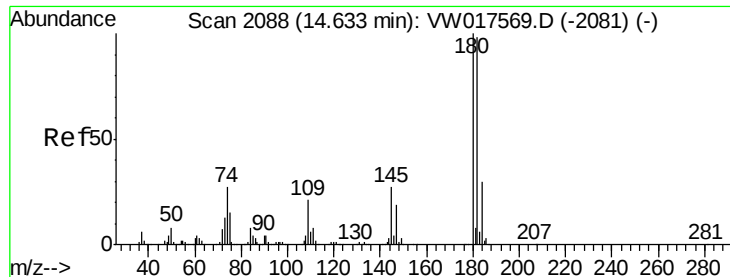
Abundance

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

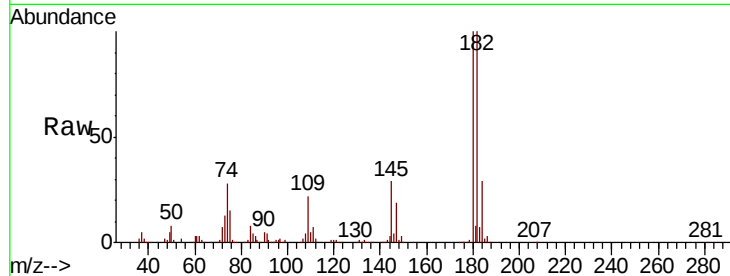




#67
 1,3,5-Trichlorobenzene
 Concen: 24.253 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW017587.D
 Acq: 08 Dec 2020 09:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02507

Tot Ion:180	Resp:	201243
Ion Ratio	Lower	Upper
180 100		
182 97.4	77.0	115.6
184 30.8	24.2	36.4
145 29.3	23.5	35.3



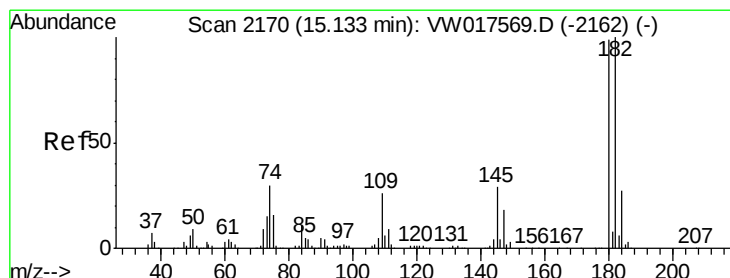
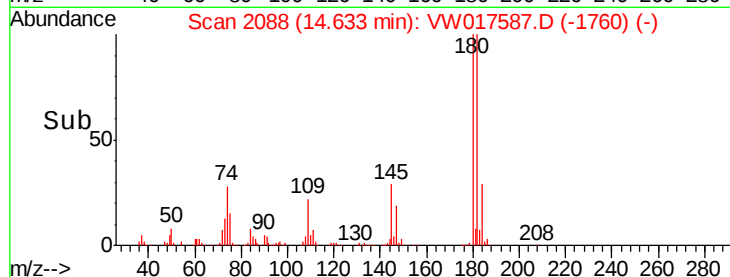
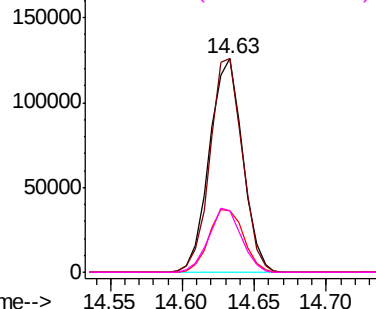
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

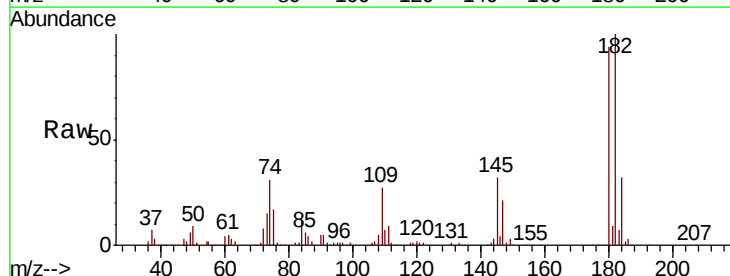
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 23.185 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW017587.D
 Acq: 08 Dec 2020 09:43

Tgt Ion:180	Resp:	156470
Ion Ratio	Lower	Upper
180 100		
182 99.6	71.3	106.9
145 31.3	24.0	36.0

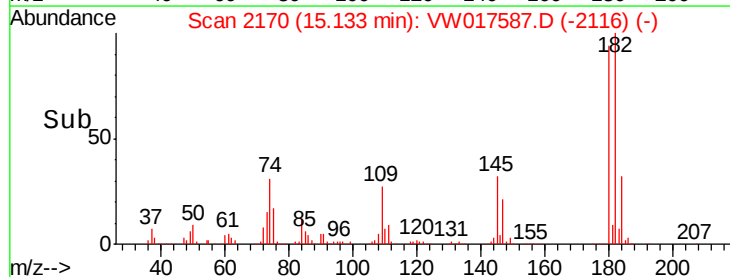
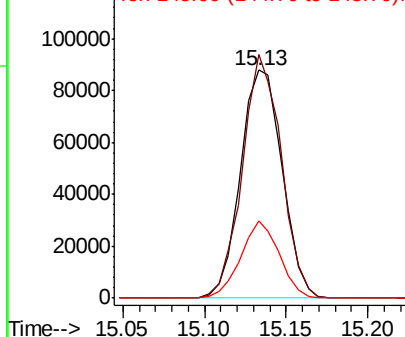


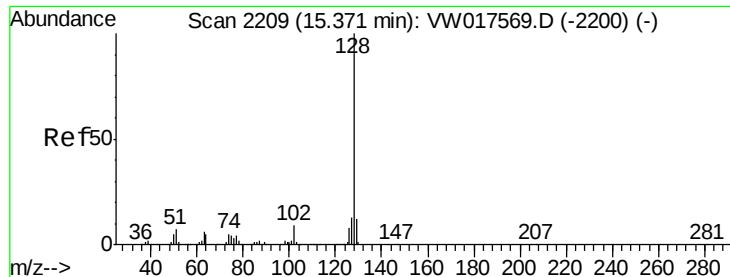
Abundance

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





#69

Naphthalene

Concen: 25.220 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW017587.D

Acq: 08 Dec 2020 09:43

Instrument :

MSVOA_W

ClientSampleId :

VSTD02507

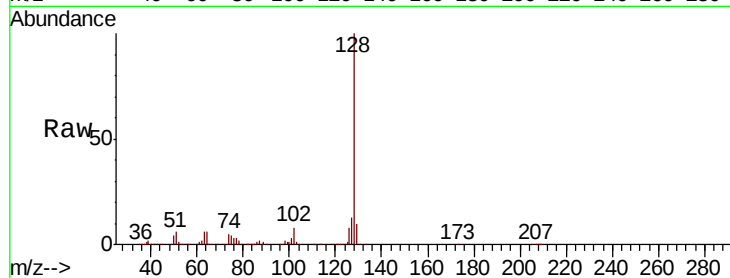
Tot Ion:128 Resp: 266916

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

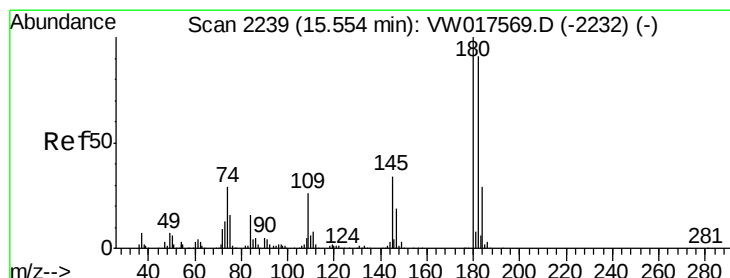
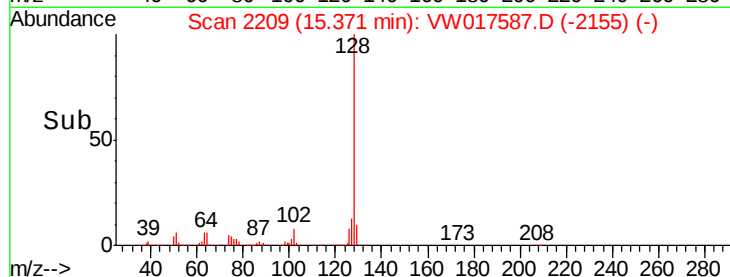
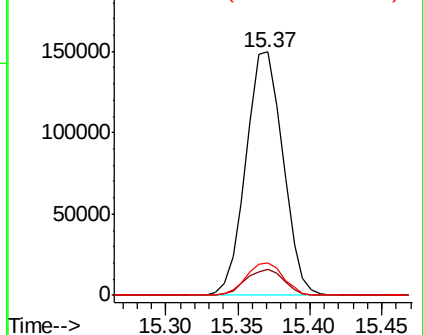
127 13.4 10.7 16.1



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: 25.155 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.01 min

Lab File: VW017587.D

Acq: 08 Dec 2020 09:43

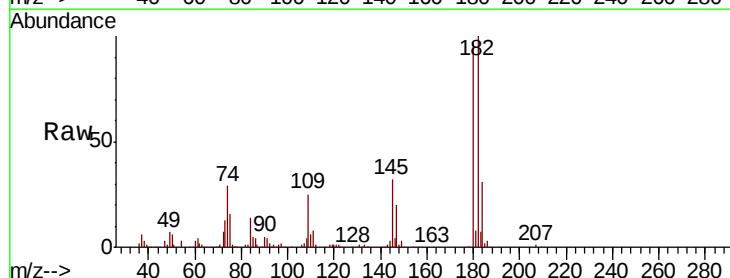
Tgt Ion:180 Resp: 142104

Ion Ratio Lower Upper

180 100

182 96.8 74.7 112.1

145 32.8 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

