

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091020\
 Data File : VW016510.D
 Acq On : 10 Sep 2020 09:02
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02517

Quant Time: Sep 11 06:09:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM090320S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 10 16:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	658348	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	594848	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	285150	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.37	65	156253	22.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.48%
7) Chloroethane-d5	2.90	69	161341	25.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.88%
10) 1,1-Dichloroethene-d2	4.03	63	369580	23.01	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	92.04%
20) 2-Butanone-d5	7.09	46	93241	37.38	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	74.76%
24) Chloroform-d	7.65	84	386889	25.09	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.36%
26) 1,2-Dichloroethane-d4	8.31	65	194931	23.12	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.48%
29) Benzene-d6	8.28	84	723783	23.93	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.72%
33) 1,2-Dichloropropane-d6	9.27	67	209814	23.62	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.48%
37) Toluene-d8	10.33	98	710075	24.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.80%
38) trans-1,3-Dichloropropene-	10.58	79	99902	22.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.16%
39) 2-Hexanone-d5	10.93	63	75303	41.47	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	82.94%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	176363	23.47	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.88%
61) 1,2-Dichlorobenzene-d4	13.86	152	249901	25.36	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.44%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.02	85	149284	20.268	ug/L 97
3) Chloromethane	2.23	50	152489	23.581	ug/L 99
5) Vinyl chloride	2.37	62	223325	27.114	ug/L 96
6) Bromomethane	2.79	94	189990	30.862	ug/L 100
8) Chloroethane	2.93	64	147959	29.201	ug/L 98
9) Trichlorofluoromethane	3.27	101	191532	28.395	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.08	101	217007	27.200	ug/L 95
12) 1,1-Dichloroethene	4.04	96	211972	26.129	ug/L 96
13) Acetone	4.14	43	63492	39.657	ug/L 97
14) Carbon disulfide	4.39	76	631608	25.476	ug/L 100
15) Methyl Acetate	4.67	43	72526	18.678	ug/L 93
16) Methylene chloride	4.92	84	207020	20.149	ug/L 95
17) Methyl tert-butyl Ether	5.43	73	286238	23.520	ug/L 97
18) trans-1,2-Dichloroethene	5.43	96	222362	25.804	ug/L 96
19) 1,1-Dichloroethane	6.22	63	359961	24.543	ug/L 98
21) 2-Butanone	7.18	43	99143	36.895	ug/L 94
22) cis-1,2-Dichloroethene	7.17	96	231490	25.786	ug/L 97

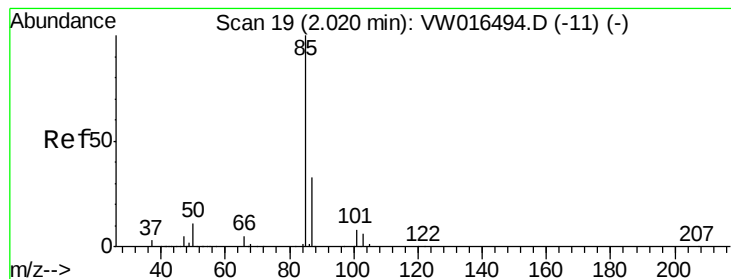
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091020\
 Data File : VW016510.D
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 Operator : SY/VA
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 Quant Title : VOC Analysis
 QLast Update : Thu Sep 10 16:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	102544	24.643	ug/L	89
25) Chloroform	7.68	83	385047	25.365	ug/L	99
27) 1,2-Dichloroethane	8.40	62	242281	23.969	ug/L	96
30) Cyclohexane	7.96	56	340832	23.986	ug/L	94
31) 1,1,1-Trichloroethane	7.88	97	348899	27.087	ug/L	98
32) Carbon tetrachloride	8.07	117	340388	27.629	ug/L	98
34) Benzene	8.33	78	821224	25.250	ug/L	100
35) Trichloroethene	9.09	95	234027	25.969	ug/L	99
36) Methylcyclohexane	9.34	83	401816	25.484	ug/L	96
40) 1,2-Dichloropropane	9.37	63	190069	23.636	ug/L	99
41) Bromodichloromethane	9.65	83	285209	25.369	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	331256	24.275	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	222113	39.007	ug/L	97
44) Toluene	10.39	91	944877	25.963	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	287164	23.542	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	153661	24.110	ug/L	98
47) Tetrachloroethene	10.87	164	184380	25.518	ug/L	83
49) 2-Hexanone	10.97	43	156346	39.426	ug/L	96
50) Dibromochloromethane	11.13	129	199309	24.732	ug/L	98
51) 1,2-Dibromoethane	11.24	107	153958	24.174	ug/L	99
52) Chlorobenzene	11.66	112	610055	26.425	ug/L	96
53) Ethylbenzene	11.73	91	1076684	26.265	ug/L	99
54) m,p-Xylene	11.84	106	415800	26.540	ug/L	98
55) o-xylene	12.16	106	388260	26.016	ug/L	97
56) Styrene	12.18	104	665887	25.968	ug/L	96
57) Isopropylbenzene	12.46	105	1109962	27.151	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	177560	23.371	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	127577	22.467	ug/L	98
62) Bromoform	12.35	173	111913	23.389	ug/L #	98
63) 1,3-Dichlorobenzene	13.50	146	471744	26.278	ug/L	92
64) 1,4-Dichlorobenzene	13.58	146	458395	25.752	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	417276	26.150	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	30573	20.576	ug/L	91
67) 1,3,5-Trichlorobenzene	14.63	180	323867	26.174	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	266828	24.931	ug/L	99
69) Naphthalene	15.36	128	519337	22.992	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	228733	24.892	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 20.268 ug/L

RT: 2.02 min Scan# 19

Delta R.T. 0.00 min

Lab File: VW016510.D

Acq: 10 Sep 2020 09:02

Instrument :

MSVOA_W

ClientSampleId :

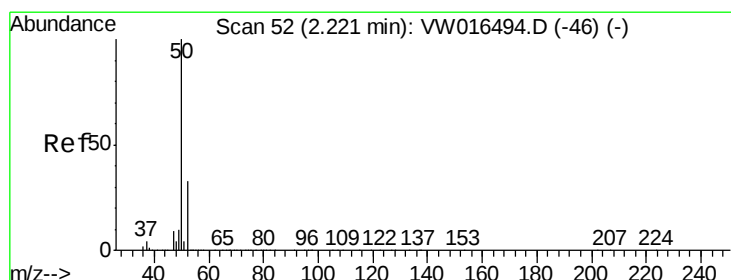
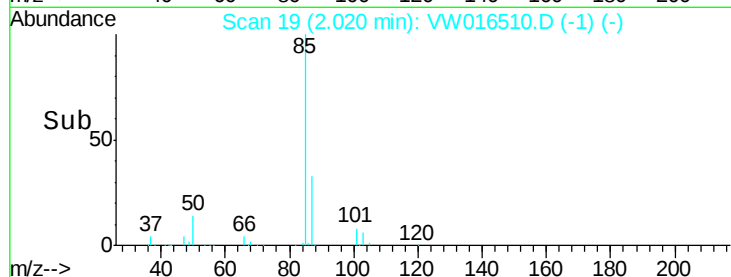
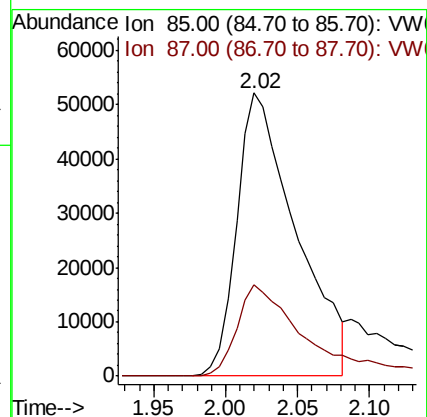
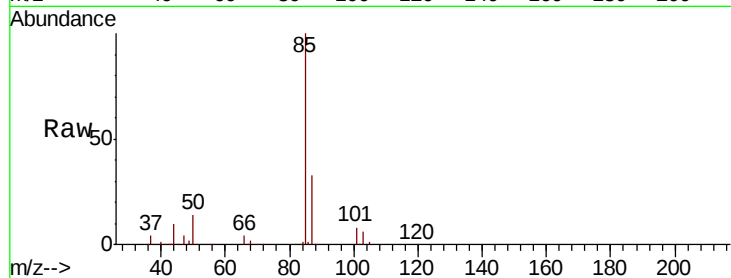
VSTD02517

Tot Ion: 85 Resp: 149284

Ion Ratio Lower Upper

85 100

87 33.8 22.3 41.5



#3

Chloromethane

Concen: 23.581 ug/L

RT: 2.23 min Scan# 53

Delta R.T. 0.01 min

Lab File: VW016510.D

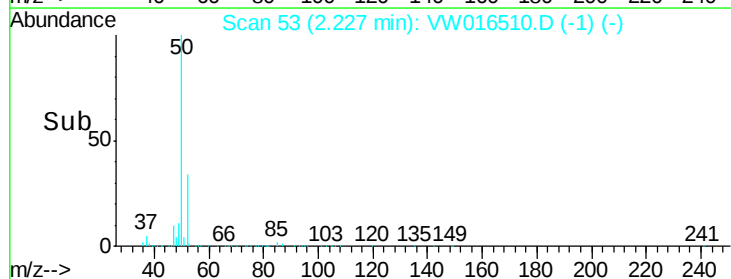
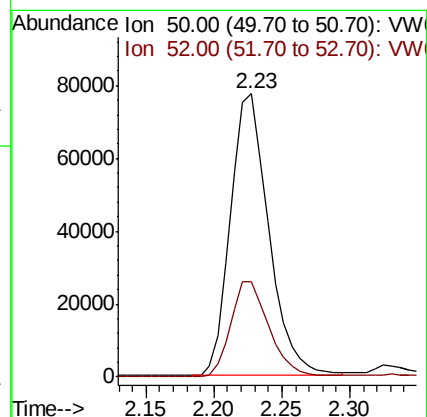
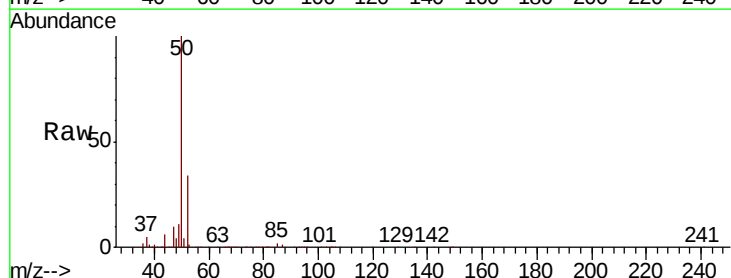
Acq: 10 Sep 2020 09:02

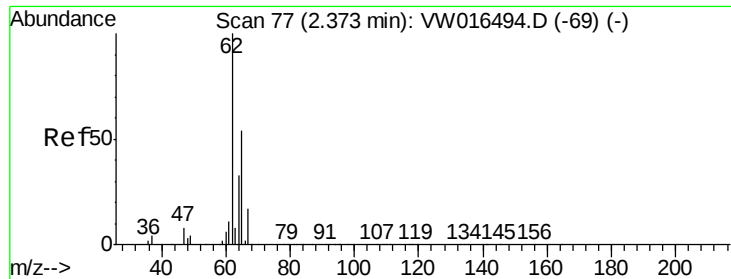
Tgt Ion: 50 Resp: 152489

Ion Ratio Lower Upper

50 100

52 33.5 23.0 42.6





#5

Vinyl chloride

Concen: 27.114 ug/L

RT: 2.37 min Scan# 77

Delta R.T. 0.00 min

Lab File: VW016510.D

Acq: 10 Sep 2020 09:02

Instrument :

MSVOA_W

ClientSampleId :

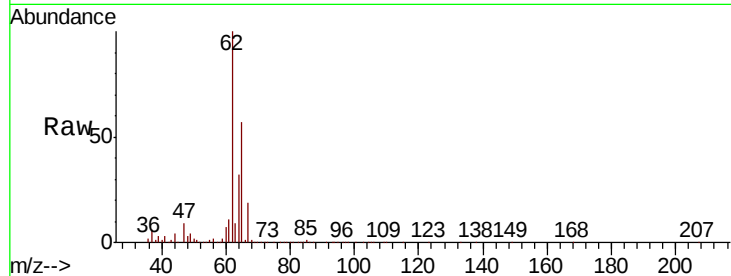
VSTD02517

Tot Ion: 62 Resp: 223325

Ion Ratio Lower Upper

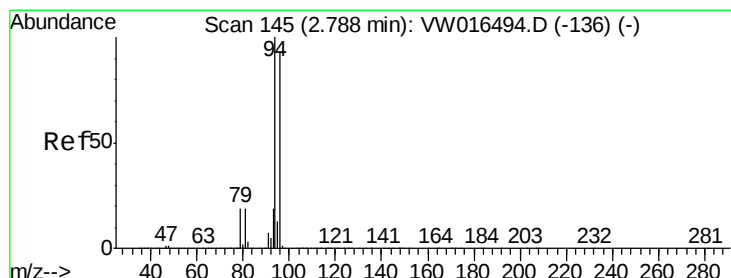
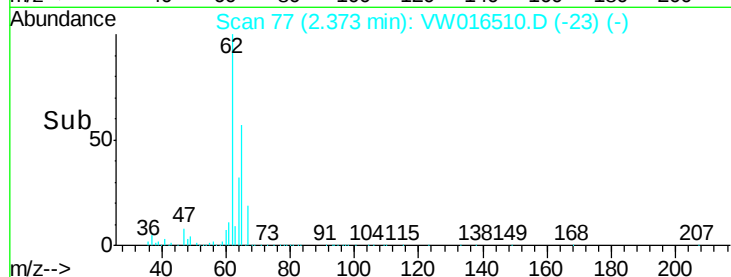
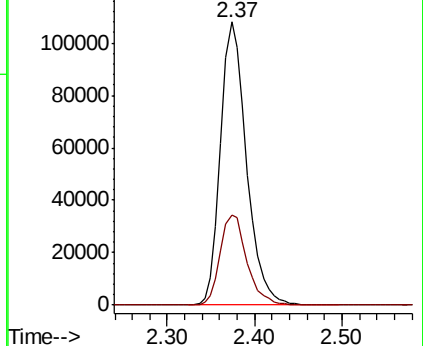
62 100

64 32.1 23.9 44.5



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#6

Bromomethane

Concen: 30.862 ug/L

RT: 2.79 min Scan# 146

Delta R.T. 0.01 min

Lab File: VW016510.D

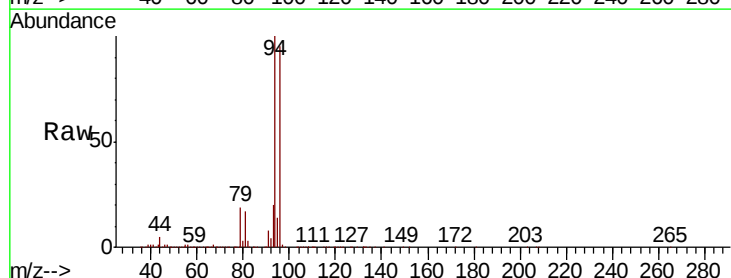
Acq: 10 Sep 2020 09:02

Tgt Ion: 94 Resp: 189990

Ion Ratio Lower Upper

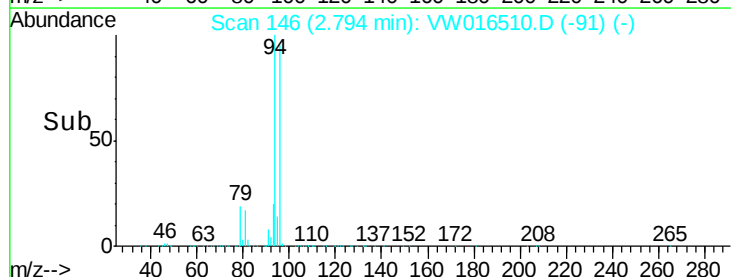
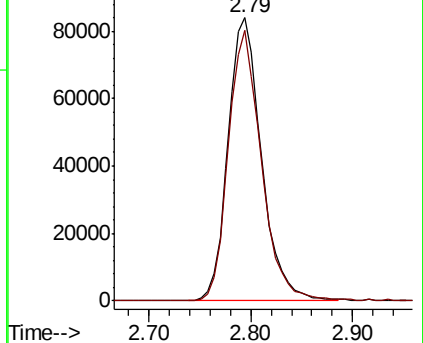
94 100

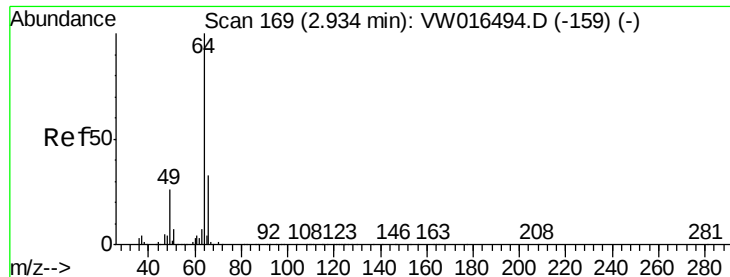
96 93.9 9.4 178.2



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW

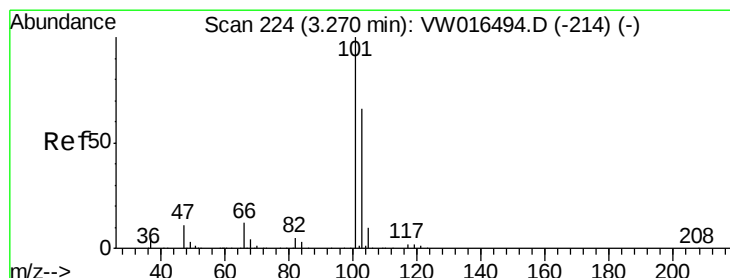
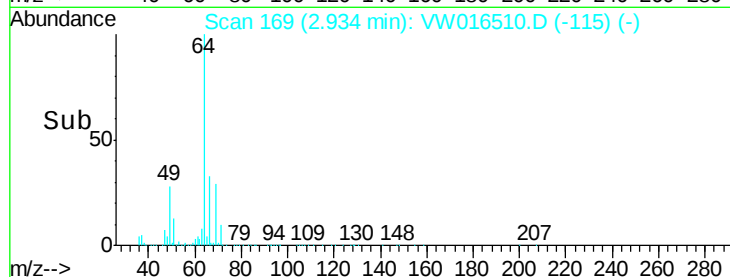
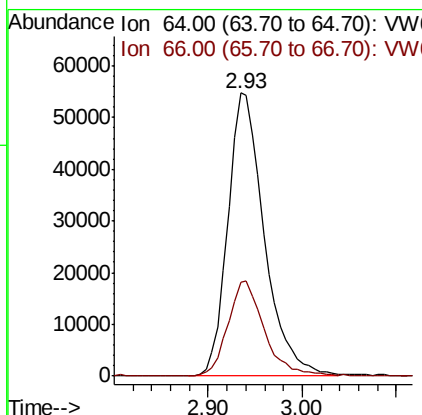
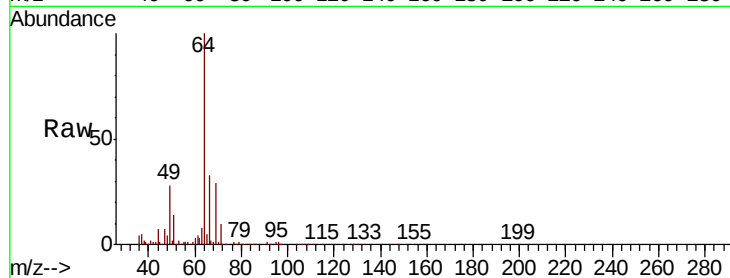




#8
Chloroethane
Concen: 29.201 ug/L
RT: 2.93 min Scan# 169
Delta R.T. 0.00 min
Lab File: VW016510.D
Acq: 10 Sep 2020 09:02

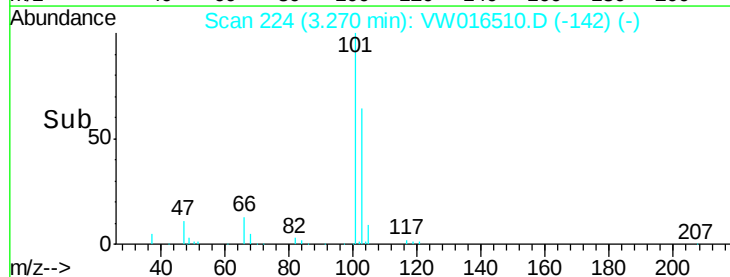
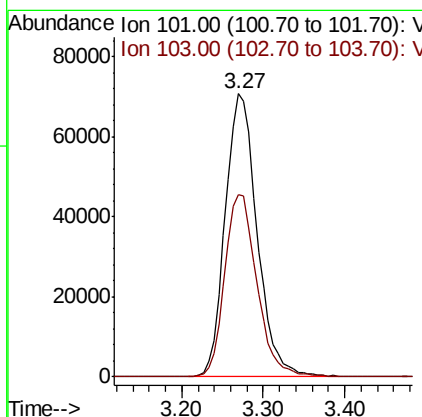
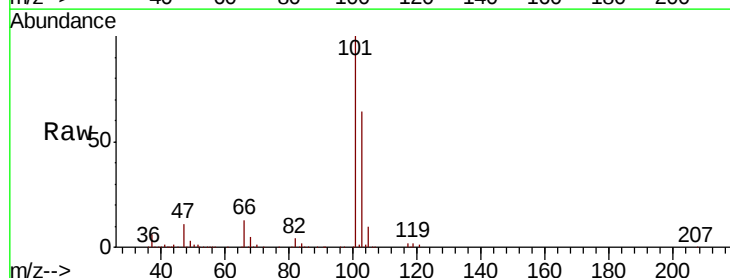
Instrument :
MSVOA_W
ClientSampleId :
VSTD02517

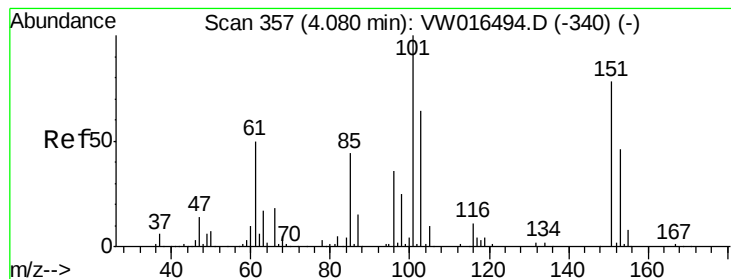
Tot Ion: 64 Resp: 147959
Ion Ratio Lower Upper
64 100
66 33.1 22.4 41.6



#9
Trichlorofluoromethane
Concen: 28.395 ug/L
RT: 3.27 min Scan# 224
Delta R.T. 0.00 min
Lab File: VW016510.D
Acq: 10 Sep 2020 09:02

Tgt Ion: 101 Resp: 191532
Ion Ratio Lower Upper
101 100
103 65.0 45.1 83.7





#11

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

Concen: 27.200 ug/L

RT: 4.08 min Scan# 357

Delta R.T. 0.00 min

Lab File: VW016510.D

Acq: 10 Sep 2020 09:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD02517

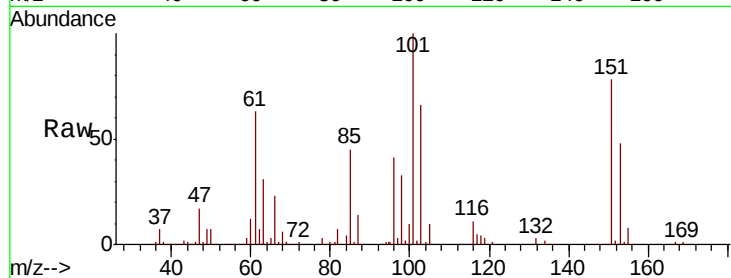
Tot Ion:101 Resp: 217007

Ion Ratio Lower Upper

101 100

85 43.2 33.4 50.0

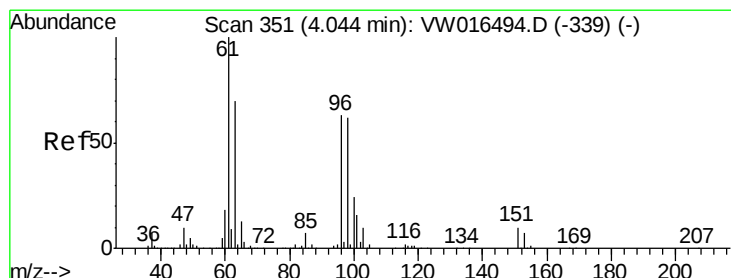
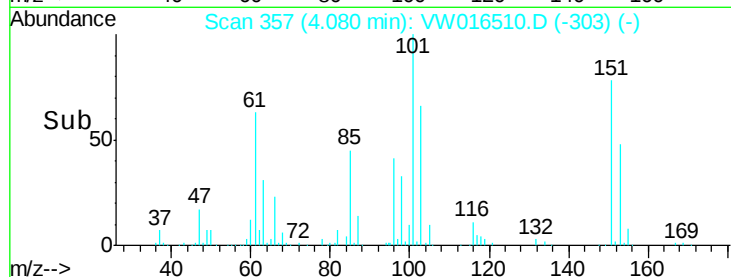
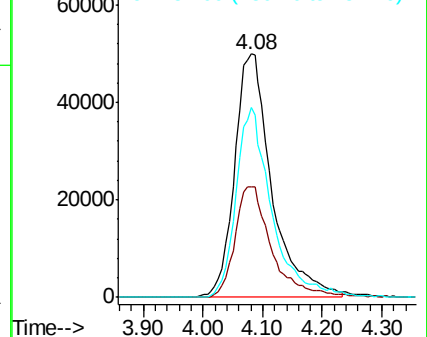
151 71.7 61.6 92.4



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: 26.129 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.00 min

Lab File: VW016510.D

Acq: 10 Sep 2020 09:02

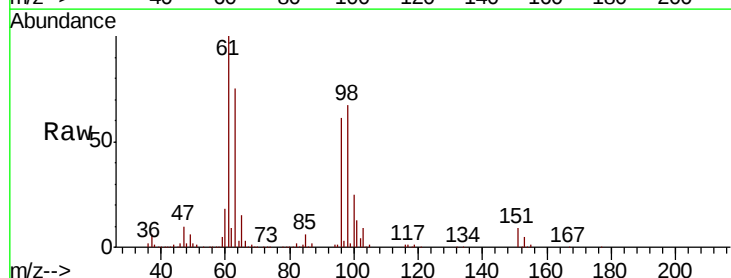
Tgt Ion: 96 Resp: 211972

Ion Ratio Lower Upper

96 100

61 163.6 116.5 216.3

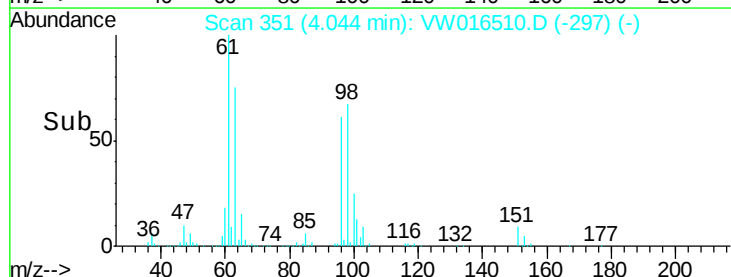
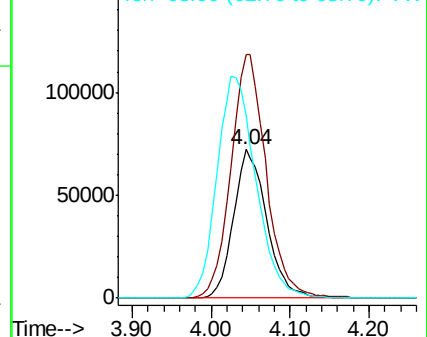
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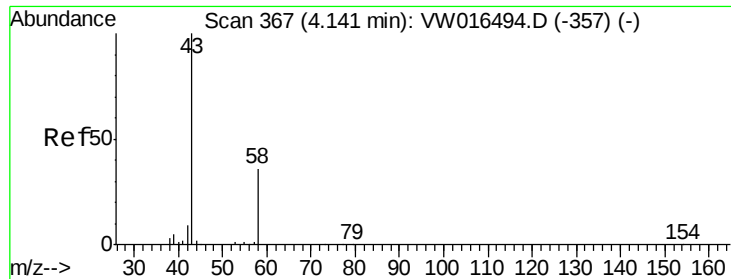


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 39.657 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.00 min

Lab File: VW016510.D

Acq: 10 Sep 2020 09:02

Instrument :

MSVOA_W

ClientSampleId :

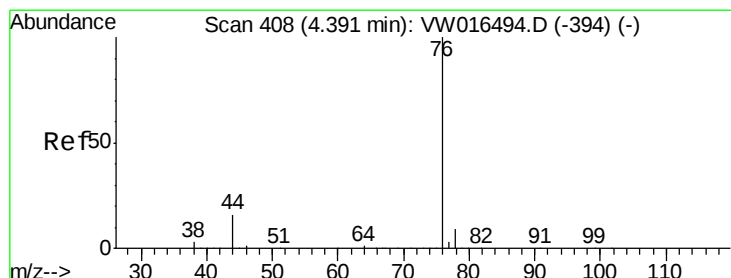
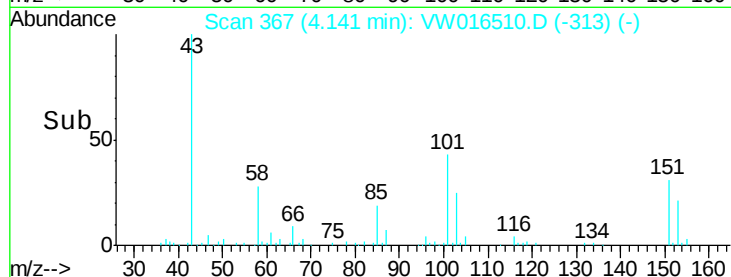
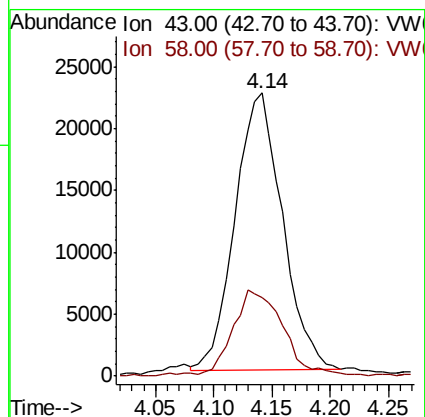
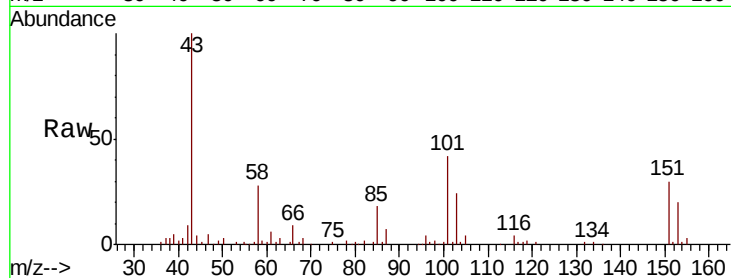
VSTD02517

Tot Ion: 43 Resp: 63492

Ion Ratio Lower Upper

43 100

58 33.0 0.0 63.0



#14

Carbon disulfide

Concen: 25.476 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.00 min

Lab File: VW016510.D

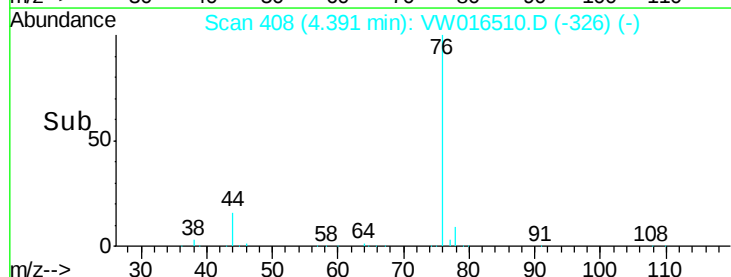
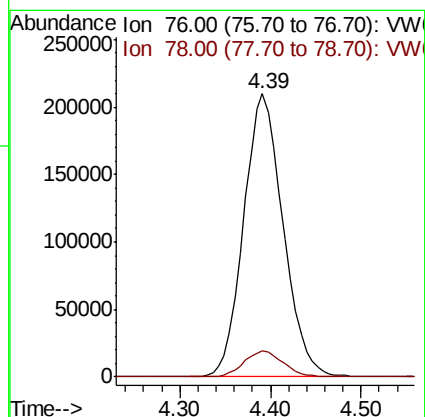
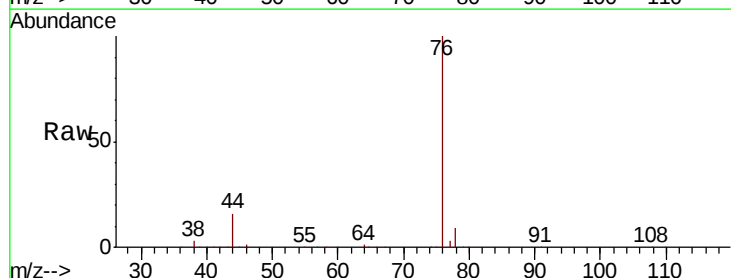
Acq: 10 Sep 2020 09:02

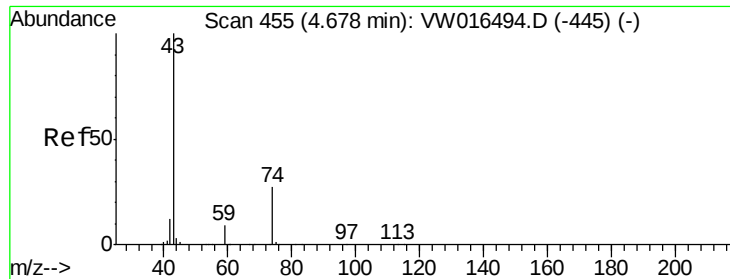
Tgt Ion: 76 Resp: 631608

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9

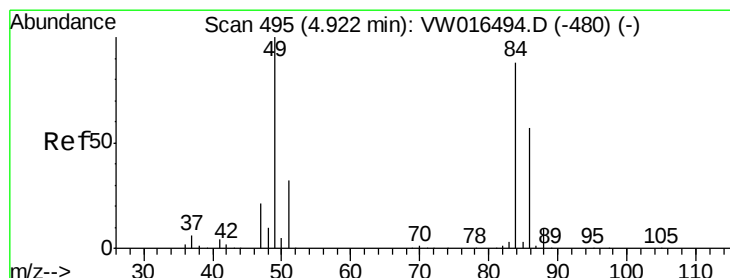
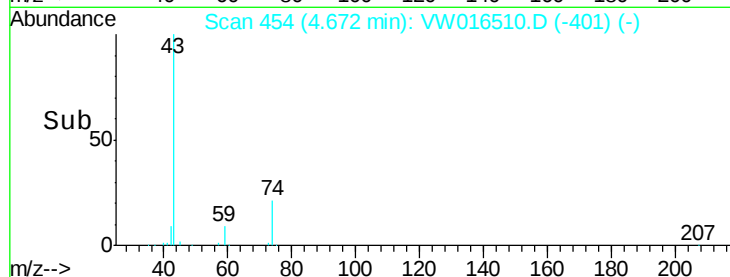
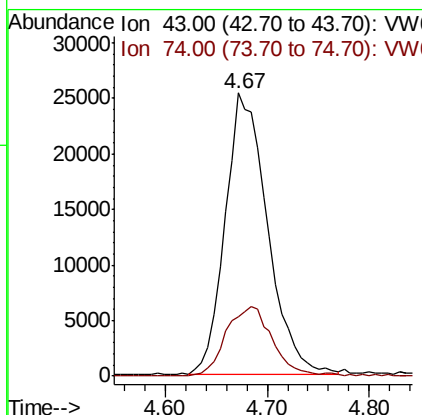
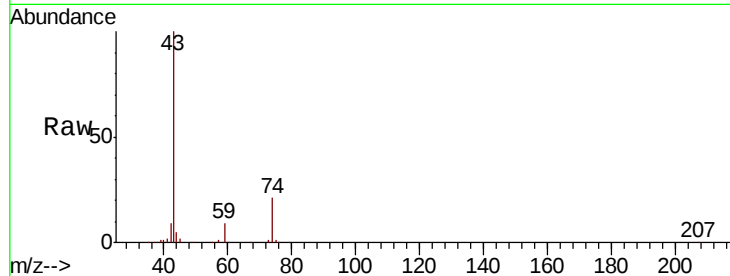




#15
Methvl Acetate
Concen: 18.678 ug/L
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW016510.D
Acq: 10 Sep 2020 09:02

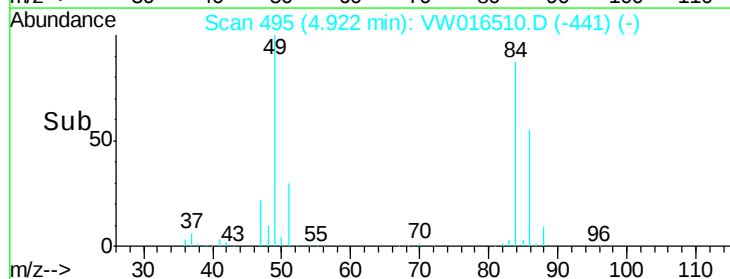
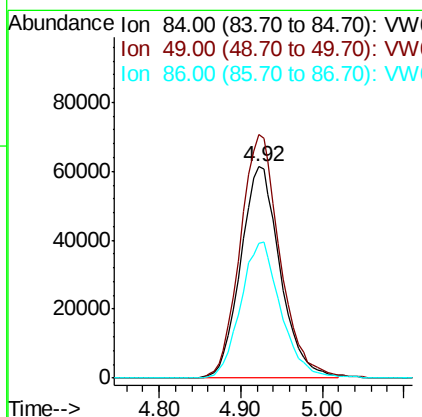
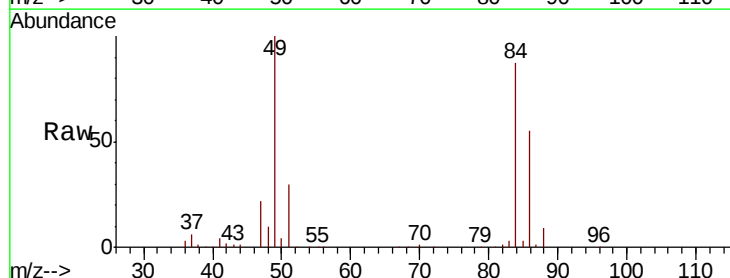
Instrument :
MSVOA_W
ClientSampleId :
VSTD02517

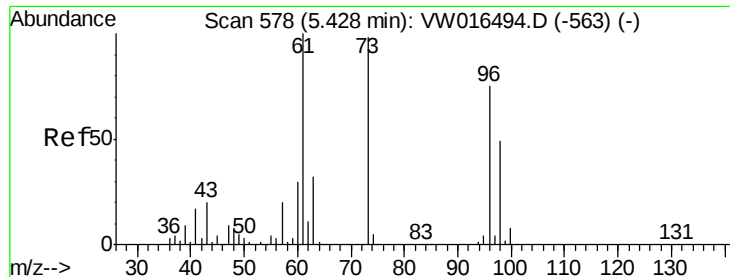
Tot Ion: 43 Resp: 72526
Ion Ratio Lower Upper
43 100
74 27.1 18.9 28.3



#16
Methylene chloride
Concen: 20.149 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW016510.D
Acq: 10 Sep 2020 09:02

Tgt Ion: 84 Resp: 207020
Ion Ratio Lower Upper
84 100
49 115.4 86.7 160.9
86 63.9 44.9 83.5

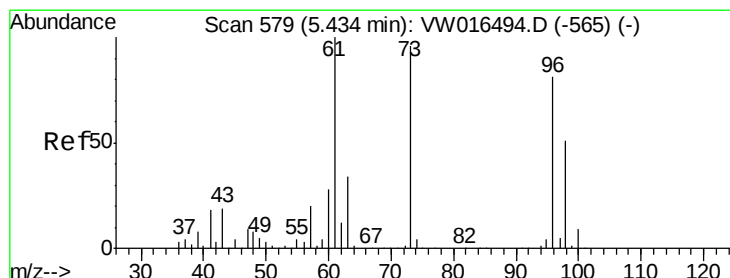
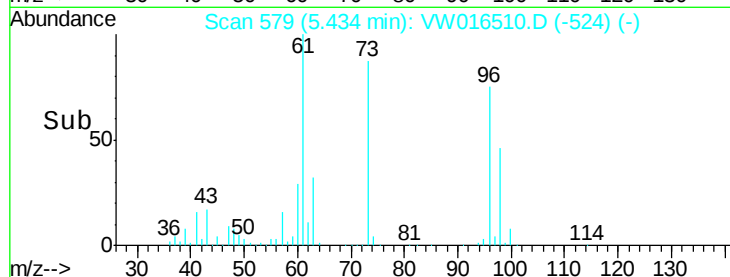
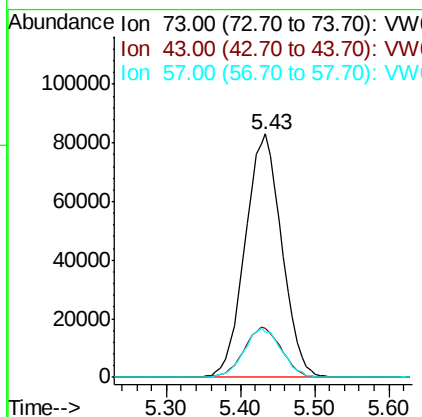
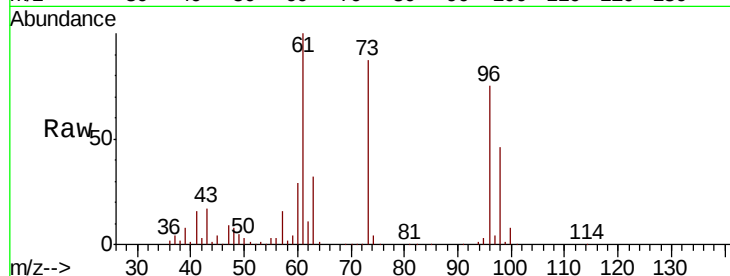




#17
Methvl tert-butvl Ether
Concen: 23.520 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW016510.D
Acq: 10 Sep 2020 09:02

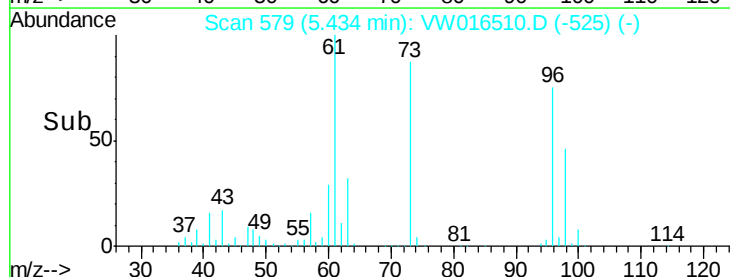
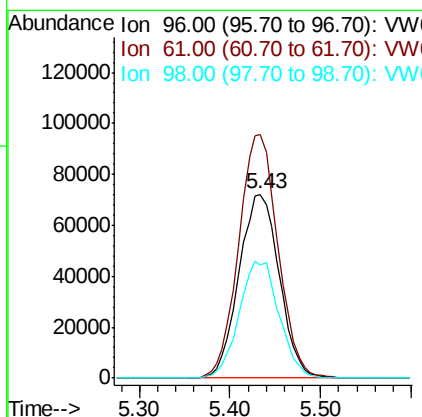
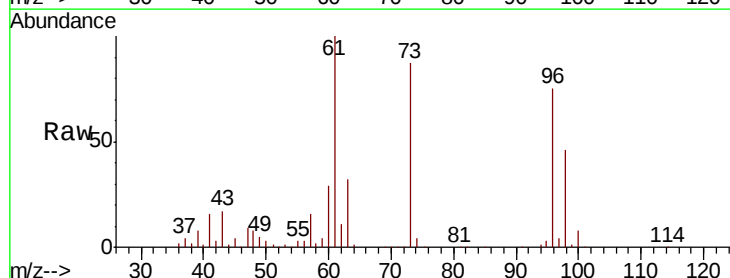
Instrument :
MSVOA_W
ClientSampled :
VSTD02517

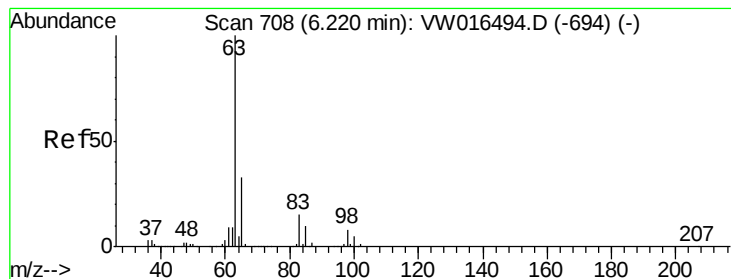
Tot Ion: 73 Resp: 286238
Ion Ratio Lower Upper
73 100
43 20.7 17.9 26.9
57 20.5 17.4 26.0



#18
trans-1,2-Dichloroethene
Concen: 25.804 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.00 min
Lab File: VW016510.D
Acq: 10 Sep 2020 09:02

Tgt Ion: 96 Resp: 222362
Ion Ratio Lower Upper
96 100
61 132.7 96.4 179.0
98 61.5 45.1 83.7





#19

1,1-Dichloroethane

Concen: 24.543 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW016510.D

Acq: 10 Sep 2020 09:02

Instrument :

MSVOA_W

ClientSampled :

VSTD02517

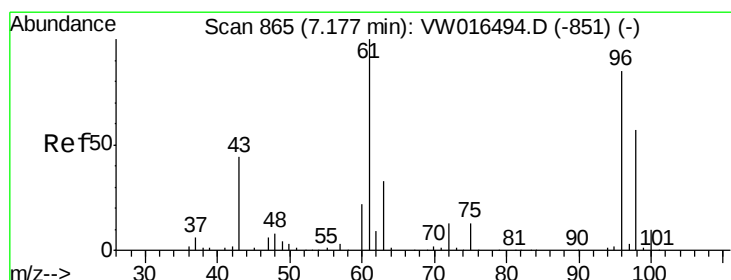
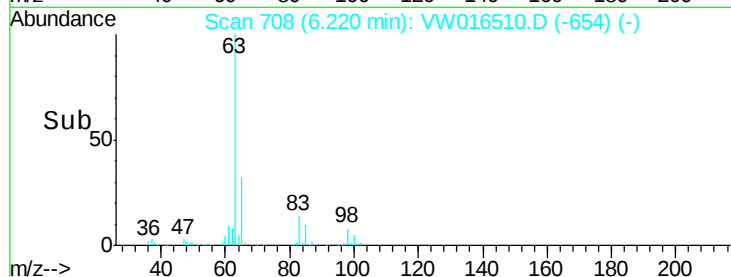
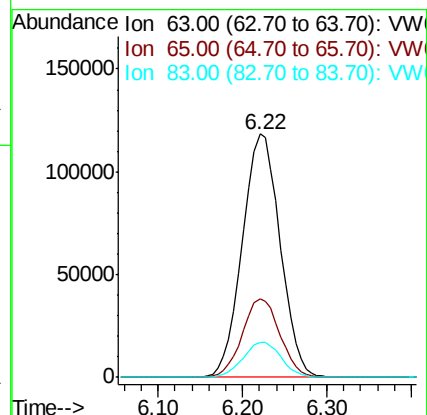
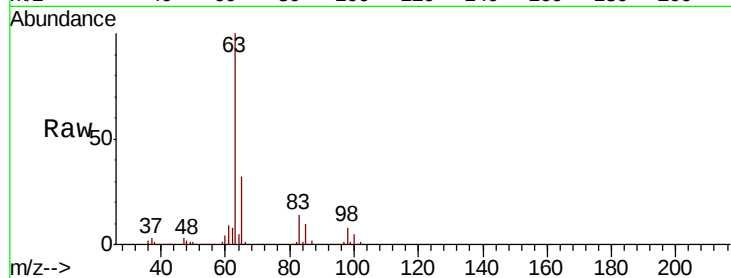
Tot Ion: 63 Resp: 359961

Ion Ratio Lower Upper

63 100

65 32.1 23.3 43.3

83 14.4 10.3 19.1



#21

2-Butanone

Concen: 36.895 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW016510.D

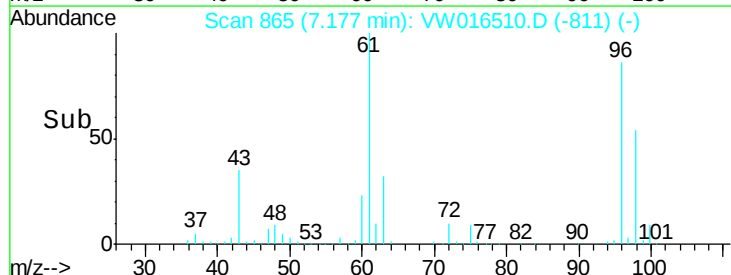
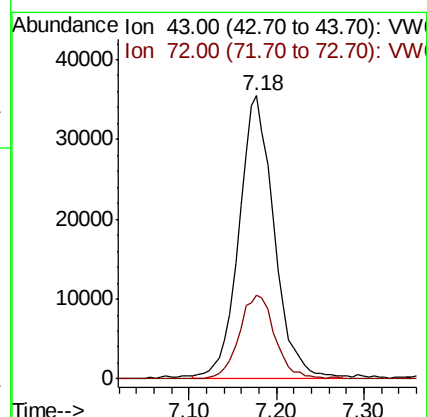
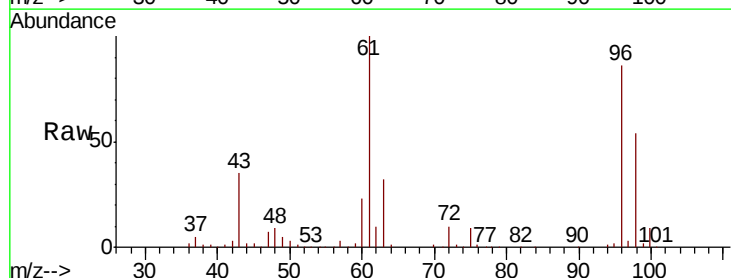
Acq: 10 Sep 2020 09:02

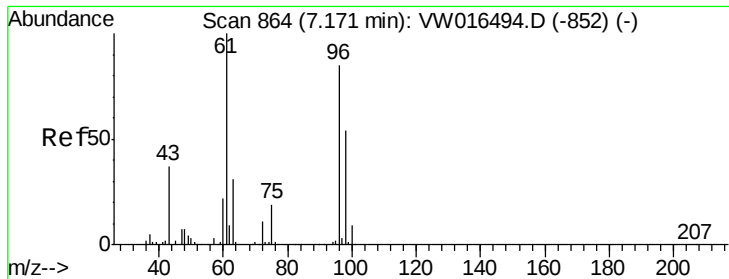
Tgt Ion: 43 Resp: 99143

Ion Ratio Lower Upper

43 100

72 30.0 13.5 40.4



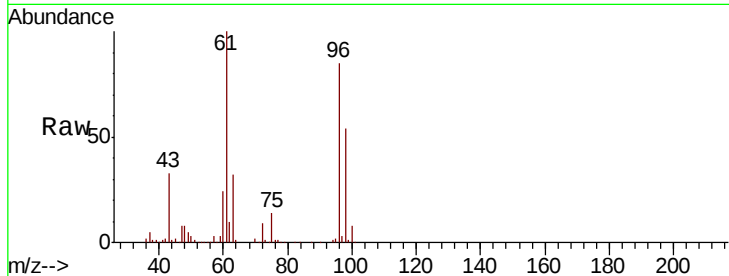


#22

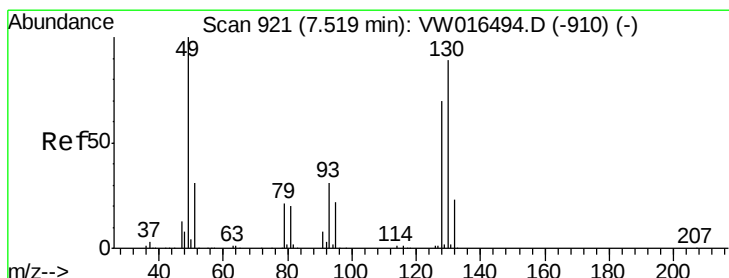
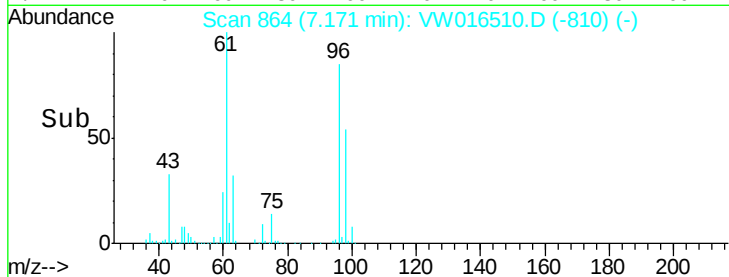
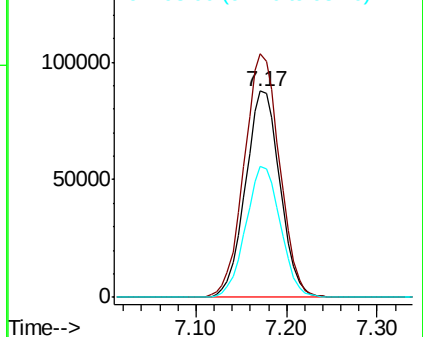
cis-1,2-Dichloroethene
Concen: 25.786 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW016510.D
Acq: 10 Sep 2020 09:02

Instrument :
MSVOA_W
ClientSampleId :
VSTD02517

Tot Ion: 96 Resp: 231490
Ion Ratio Lower Upper
96 100
61 118.0 86.1 159.9
98 63.7 44.1 81.9



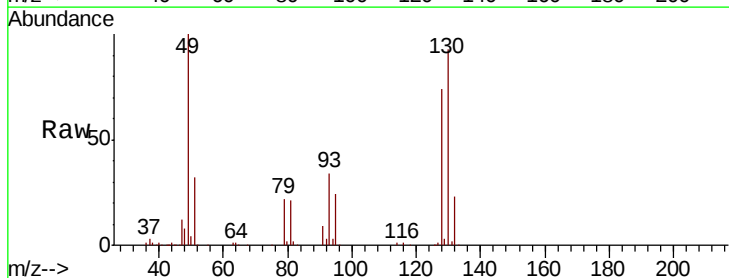
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



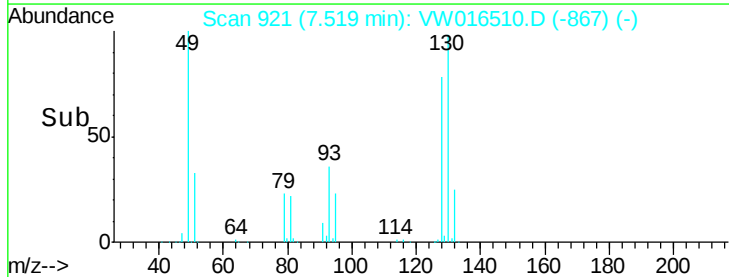
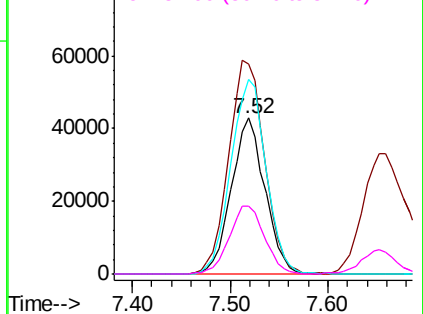
#23

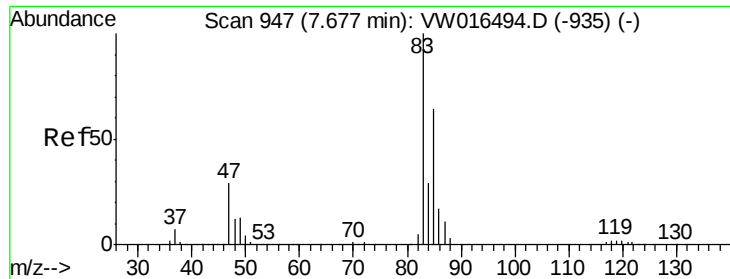
Bromochloromethane
Concen: 24.643 ug/L
RT: 7.52 min Scan# 921
Delta R.T. 0.00 min
Lab File: VW016510.D
Acq: 10 Sep 2020 09:02

Tgt Ion: 128 Resp: 102544
Ion Ratio Lower Upper
128 100
49 135.0 111.6 207.4
130 125.2 90.9 168.7
51 43.4 38.5 57.7



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

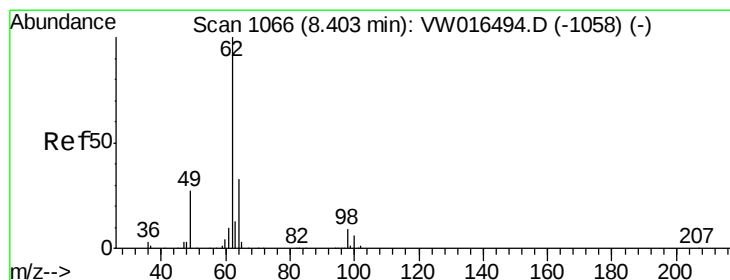
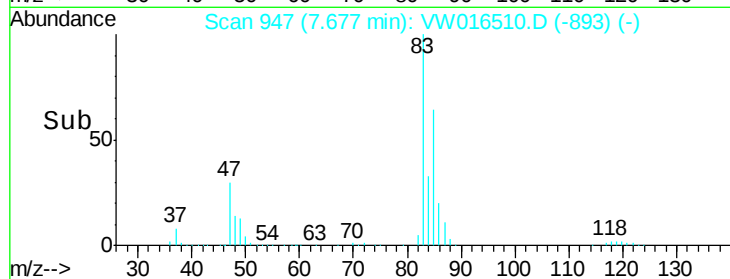
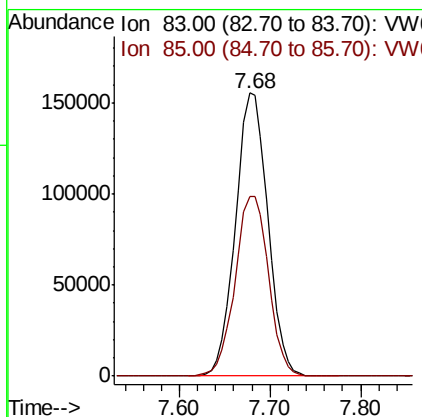
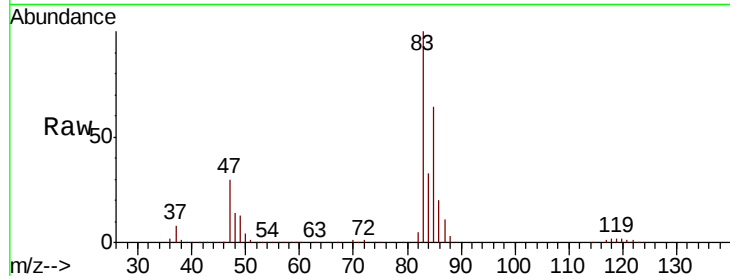




#25
Chloroform
Concen: 25.365 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW016510.D
Acq: 10 Sep 2020 09:02

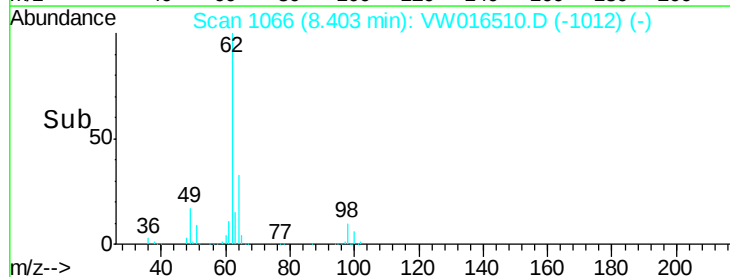
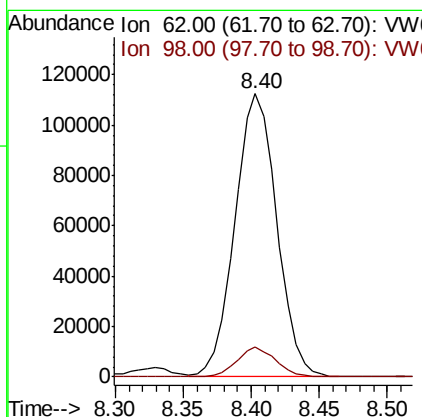
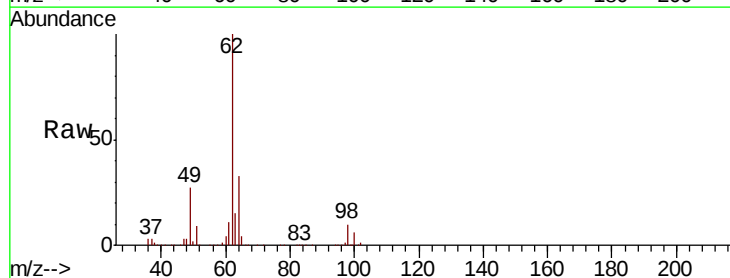
Instrument :
MSVOA_W
ClientSampleId :
VSTD02517

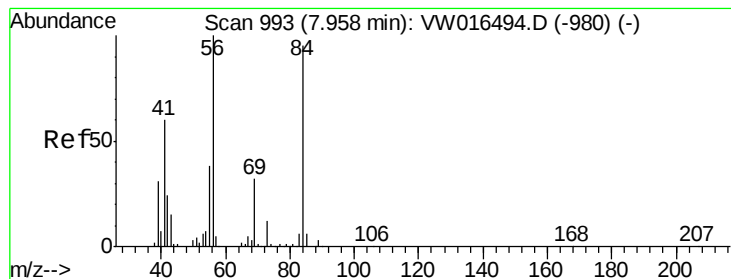
Tot Ion: 83 Resp: 385047
Ion Ratio Lower Upper
83 100
85 65.7 45.6 84.8



#27
1,2-Dichloroethane
Concen: 23.969 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW016510.D
Acq: 10 Sep 2020 09:02

Tgt Ion: 62 Resp: 242281
Ion Ratio Lower Upper
62 100
98 10.4 7.3 10.9





#30

Cvclohexane

Concen: 23.986 ug/L

RT: 7.96 min Scan# 994

Delta R.T. 0.01 min

Lab File: VW016510.D

Acq: 10 Sep 2020 09:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD02517

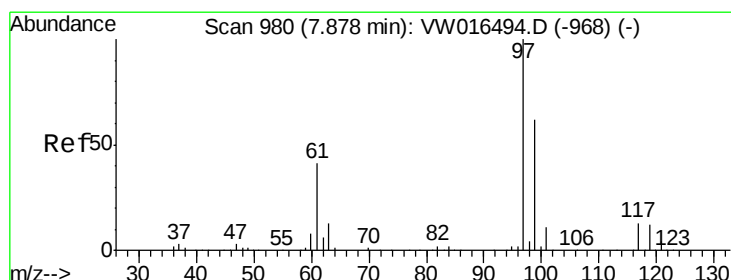
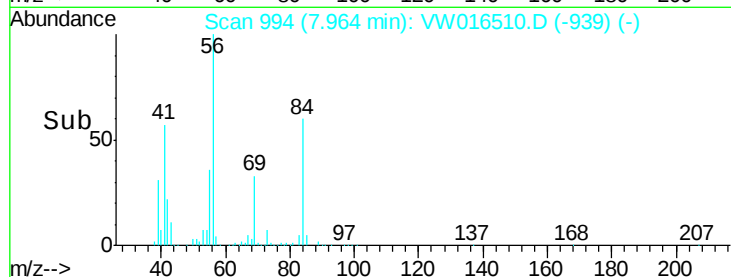
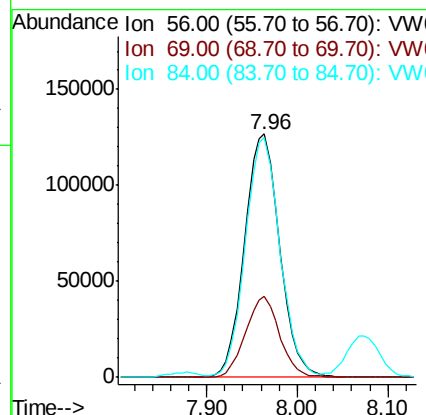
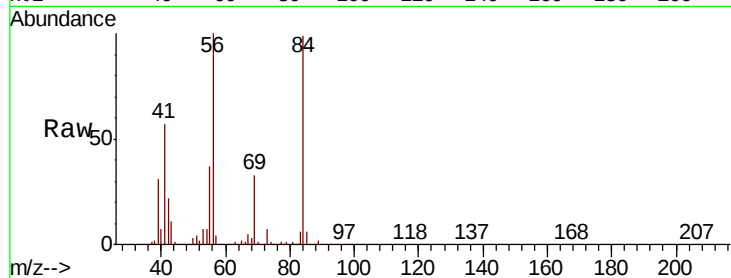
Tot Ion: 56 Resp: 340832

Ion Ratio Lower Upper

56 100

69 32.4 25.3 37.9

84 96.9 71.6 107.4



#31

1,1,1-Trichloroethane

Concen: 27.087 ug/L

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW016510.D

Acq: 10 Sep 2020 09:02

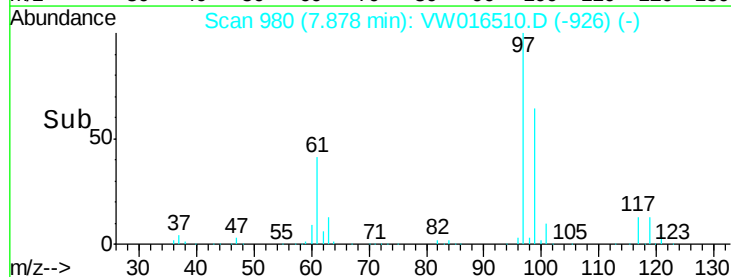
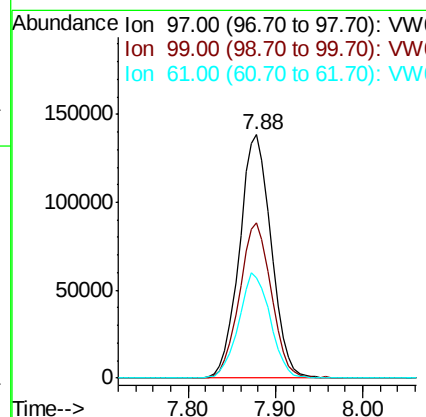
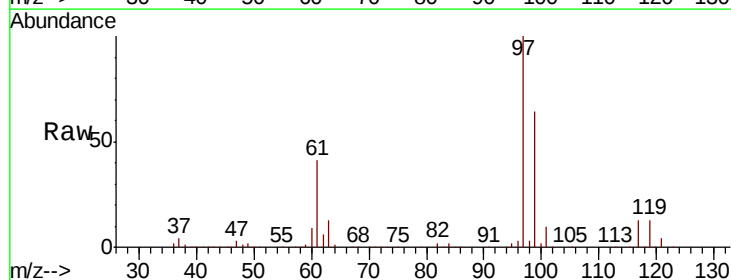
Tgt Ion: 97 Resp: 348899

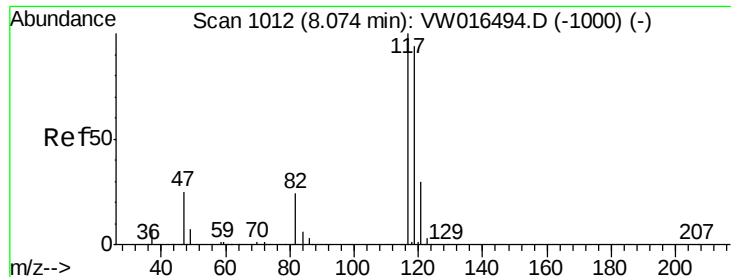
Ion Ratio Lower Upper

97 100

99 64.0 52.2 78.2

61 43.2 36.3 54.5





#32

Carbon tetrachloride

Concen: 27.629 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VW016510.D

Acq: 10 Sep 2020 09:02

Instrument :

MSVOA_W

ClientSampleId :

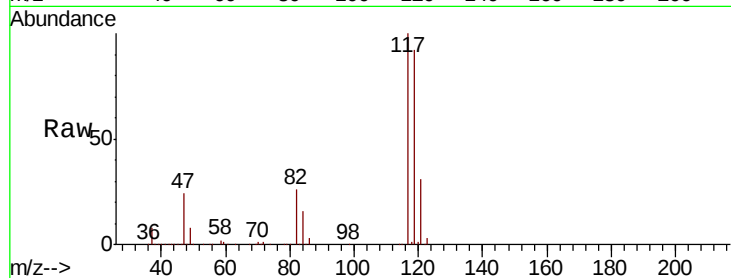
VSTD02517

Tot Ion:117 Resp: 340388

Ion Ratio Lower Upper

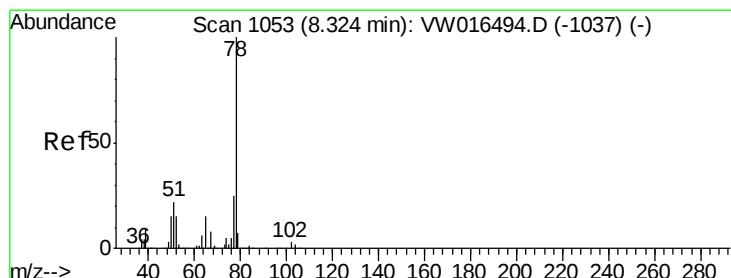
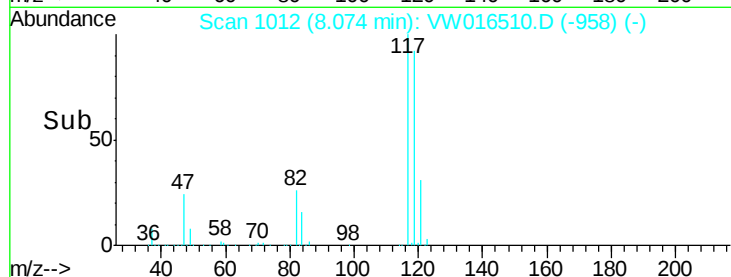
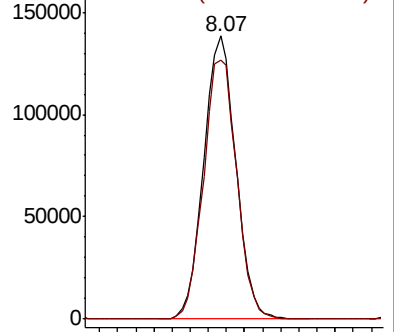
117 100

119 94.8 77.8 116.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.250 ug/L

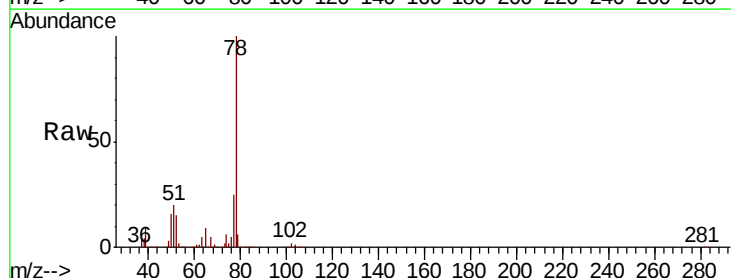
RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

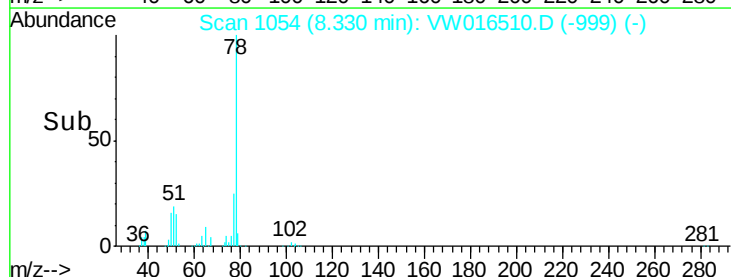
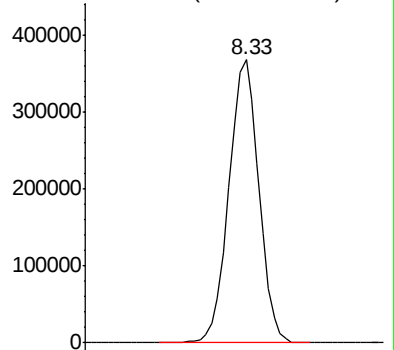
Lab File: VW016510.D

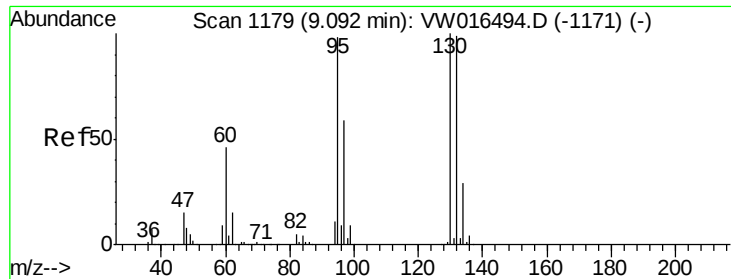
Acq: 10 Sep 2020 09:02

Tgt Ion: 78 Resp: 821224



Abundance Ion 78.00 (77.70 to 78.70): VW

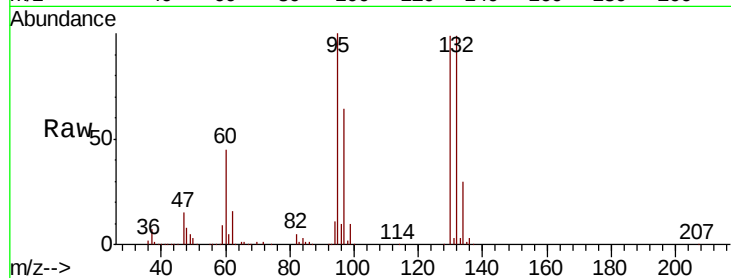




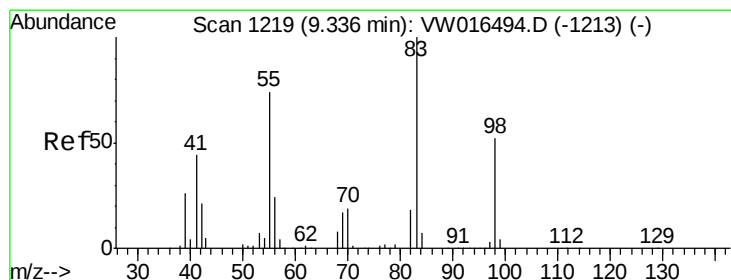
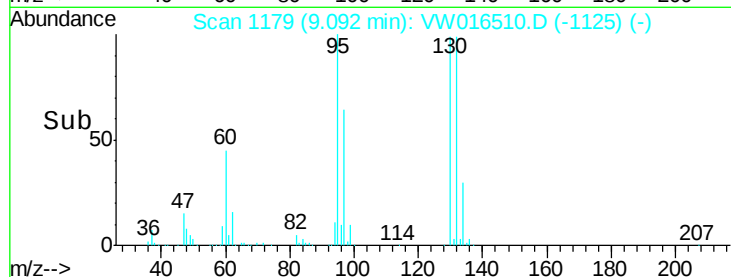
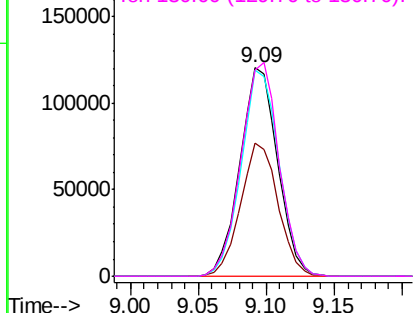
#35
 Trichloroethene
 Concen: 25.969 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW016510.D
 Acq: 10 Sep 2020 09:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02517

Tot Ion:	95	Resp:	234027
Ion	Ratio	Lower	Upper
95	100		
97	63.8	44.9	83.5
132	99.2	69.2	128.4
130	103.9	72.0	133.6

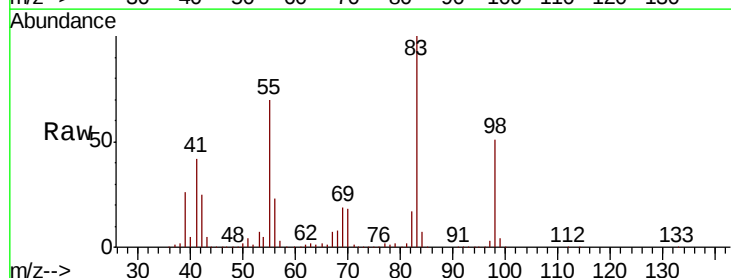


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

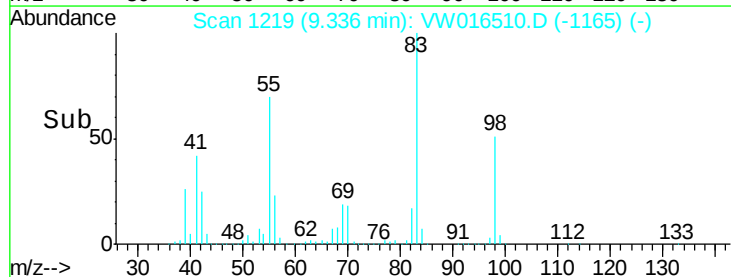
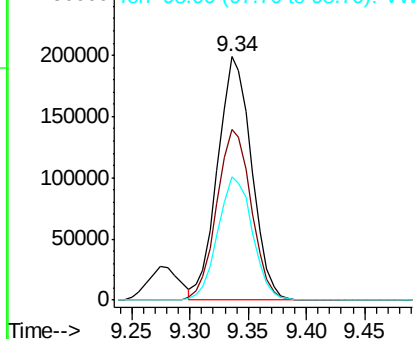


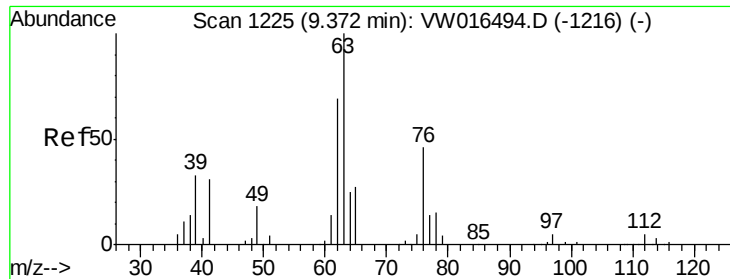
#36
 Methylcyclohexane
 Concen: 25.484 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW016510.D
 Acq: 10 Sep 2020 09:02

Tgt Ion:	83	Resp:	401816
Ion	Ratio	Lower	Upper
83	100		
55	71.2	60.9	91.3
98	51.5	40.0	60.0



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

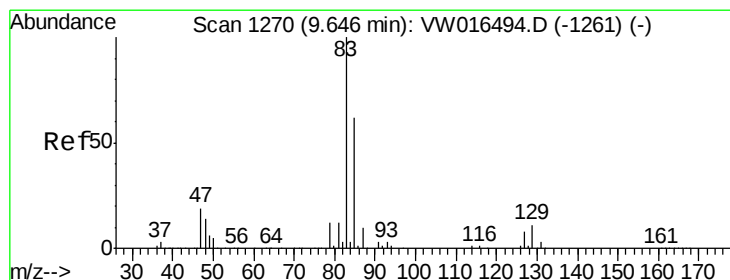
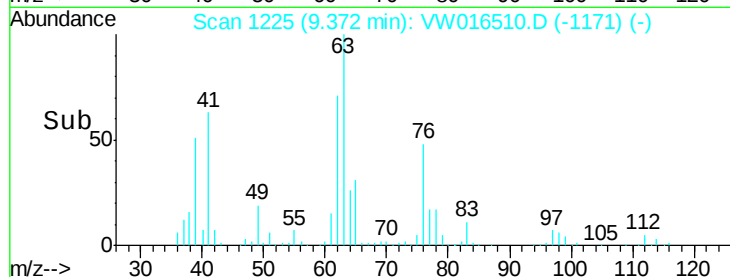
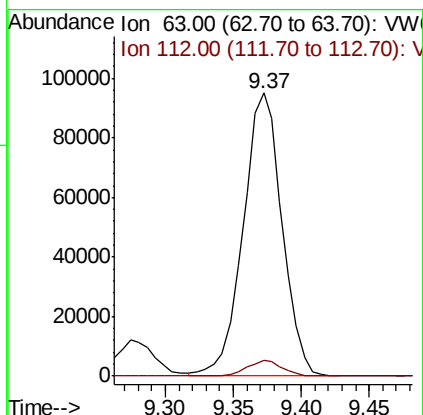
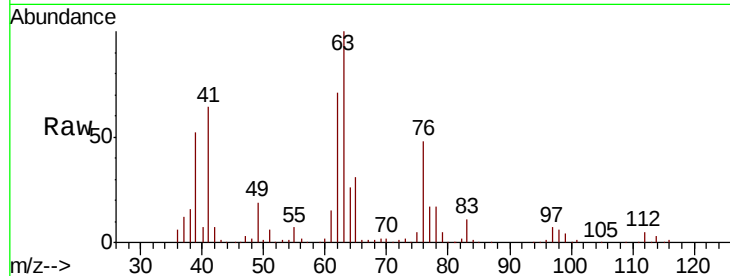




#40
1,2-Dichloropropane
Concen: 23.636 ug/L
RT: 9.37 min Scan# 1225
Delta R.T. 0.00 min
Lab File: VW016510.D
Acq: 10 Sep 2020 09:02

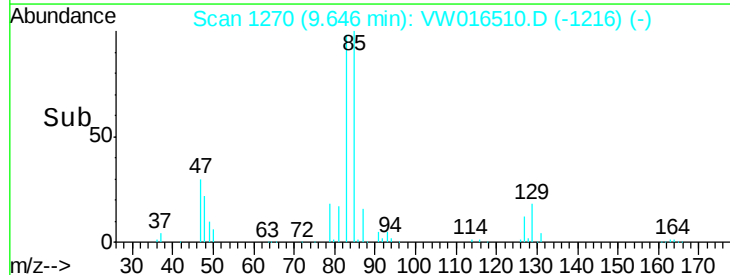
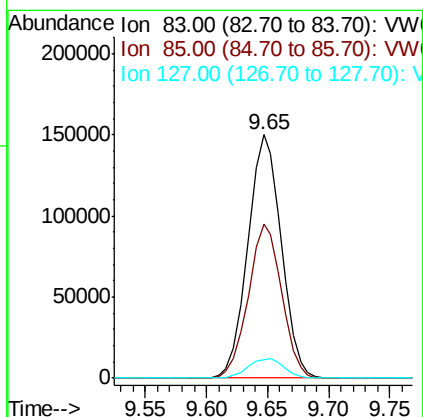
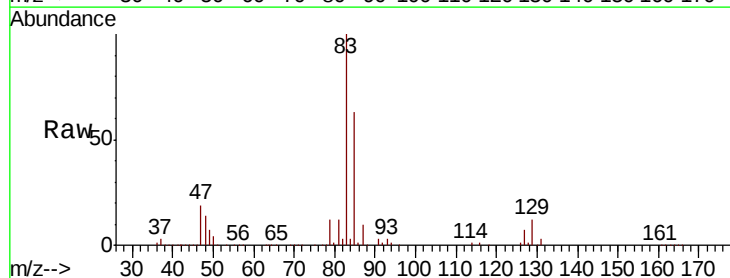
Instrument :
MSVOA_W
ClientSampled :
VSTD02517

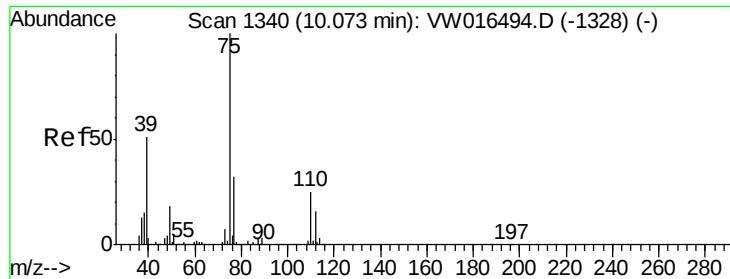
Tot Ion: 63 Resp: 190069
Ion Ratio Lower Upper
63 100
112 5.1 3.8 5.8



#41
Bromodichloromethane
Concen: 25.369 ug/L
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW016510.D
Acq: 10 Sep 2020 09:02

Tgt Ion: 83 Resp: 285209
Ion Ratio Lower Upper
83 100
85 63.4 43.5 80.7
127 7.5 6.7 10.1





#42

cis-1,3-Dichloropropene

Concen: 24.275 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW016510.D

Acq: 10 Sep 2020 09:02

Instrument :

MSVOA_W

ClientSampleId :

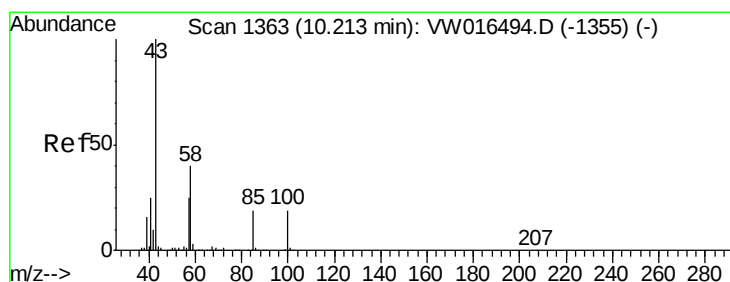
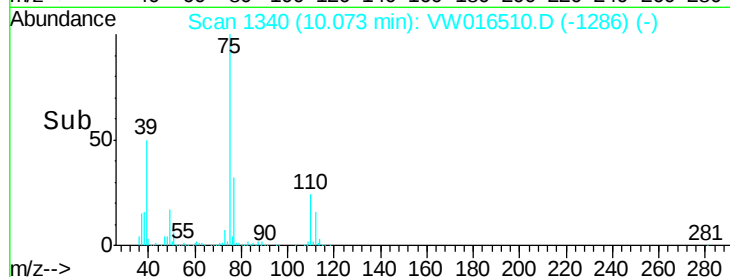
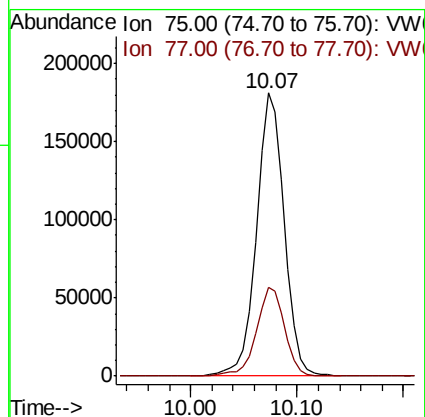
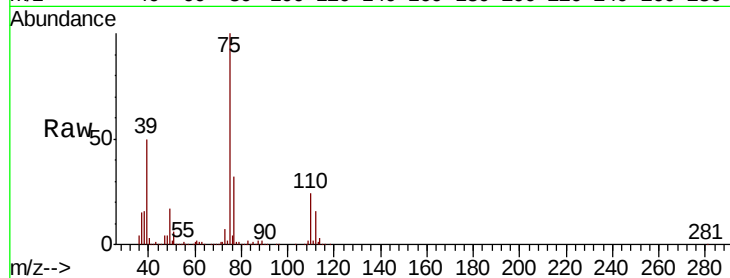
VSTD02517

Tot Ion: 75 Resp: 331256

Ion Ratio Lower Upper

75 100

77 31.6 20.9 38.7



#43

4-Methyl-2-pentanone

Concen: 39.007 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW016510.D

Acq: 10 Sep 2020 09:02

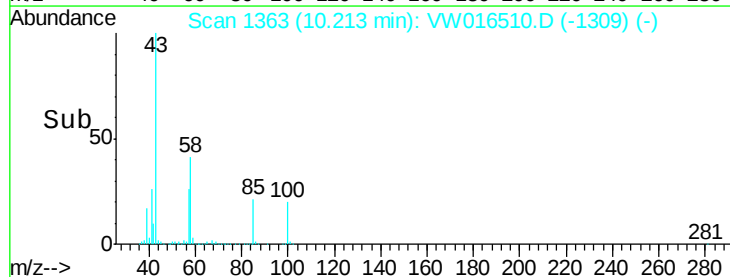
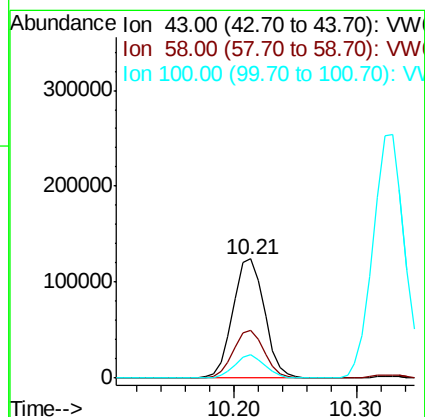
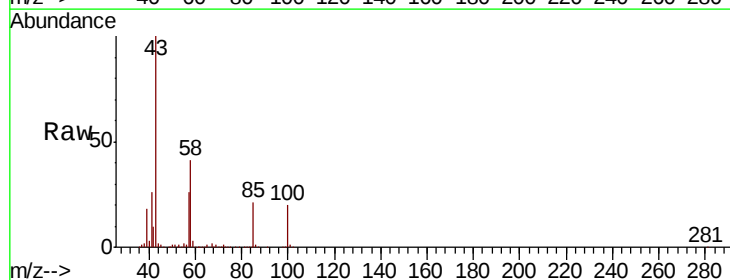
Tgt Ion: 43 Resp: 222113

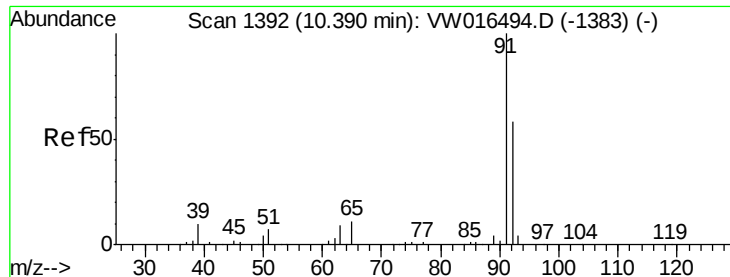
Ion Ratio Lower Upper

43 100

58 39.7 30.6 45.8

100 18.4 13.0 19.6





#44

Toluene

Concen: 25.963 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016510.D

Acq: 10 Sep 2020 09:02

Instrument :

MSVOA_W

ClientSampled :

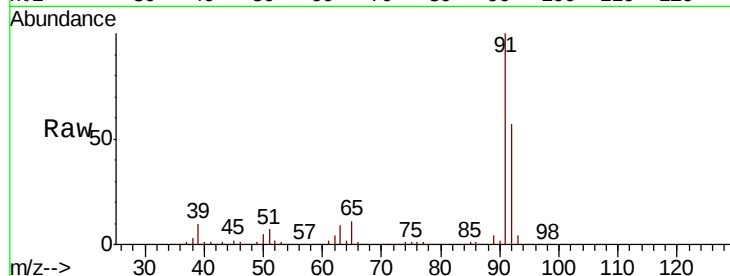
VSTD02517

Tot Ion: 91 Resp: 944877

Ion Ratio Lower Upper

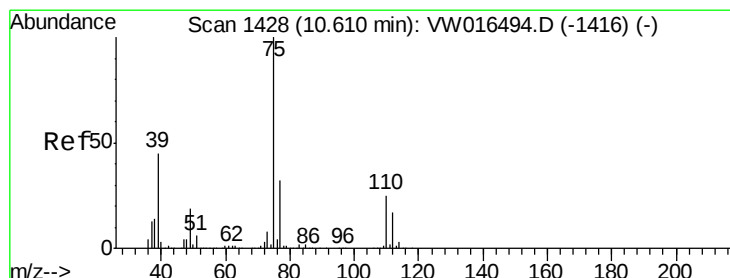
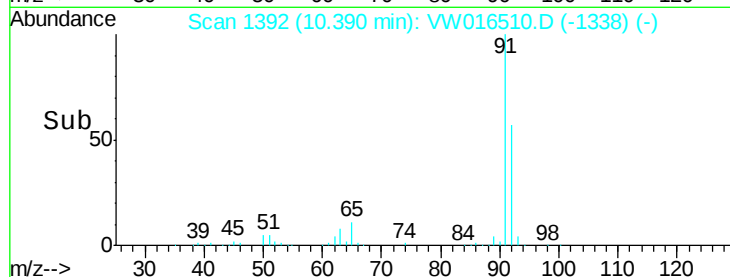
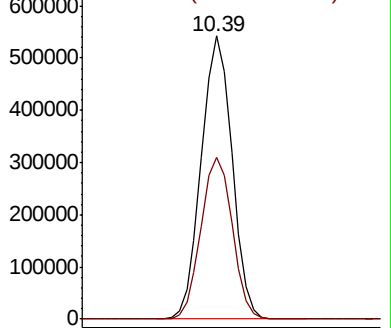
91 100

92 57.3 39.5 73.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW



#45

trans-1,3-Dichloropropene

Concen: 23.542 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW016510.D

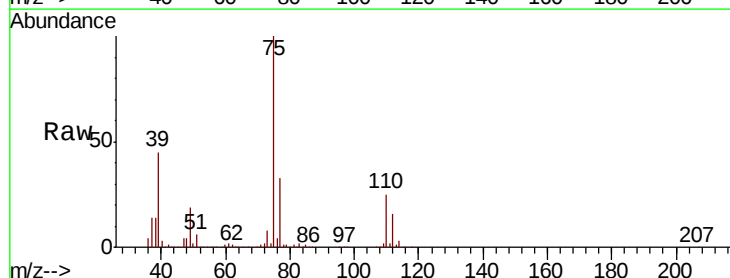
Acq: 10 Sep 2020 09:02

Tgt Ion: 75 Resp: 287164

Ion Ratio Lower Upper

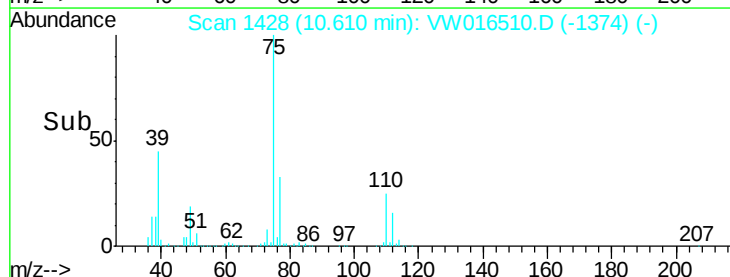
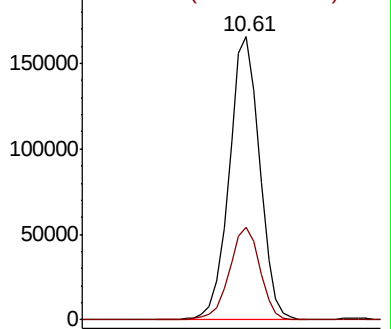
75 100

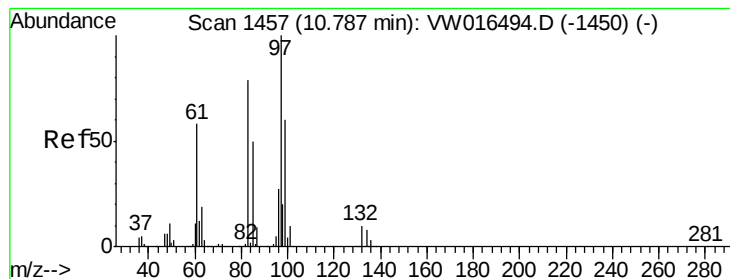
77 32.9 21.9 40.7



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#46

1,1,2-Trichloroethane

Concen: 24.110 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW016510.D

Acq: 10 Sep 2020 09:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD02517

Tot Ion: 97 Resp: 153661

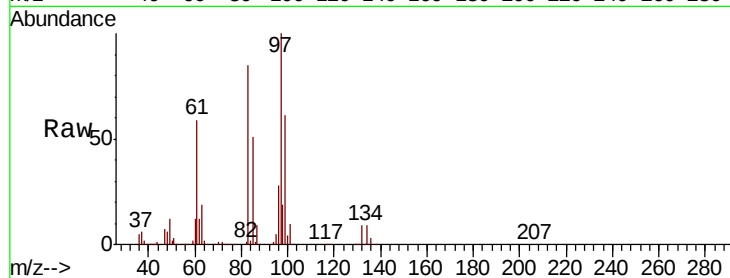
Ion Ratio Lower Upper

97 100

83 84.8 59.7 110.9

85 50.9 37.6 69.8

99 61.5 42.3 78.5

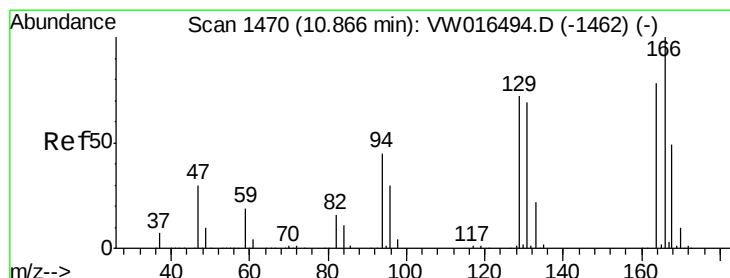
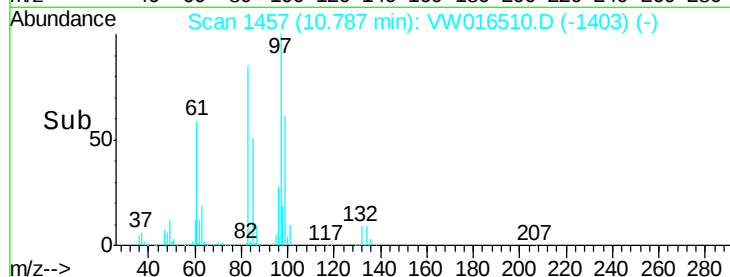
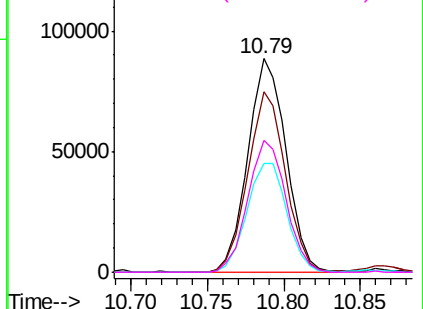


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 25.518 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW016510.D

Acq: 10 Sep 2020 09:02

Tgt Ion: 164 Resp: 184380

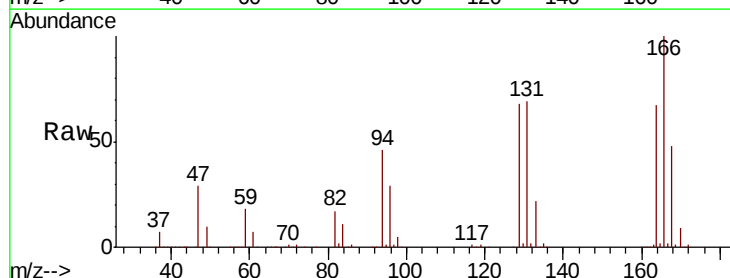
Ion Ratio Lower Upper

164 100

129 101.6 65.7 121.9

131 103.4 61.1 113.5

166 148.9 85.0 157.8

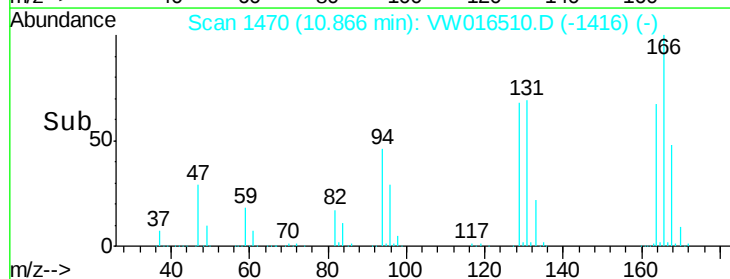
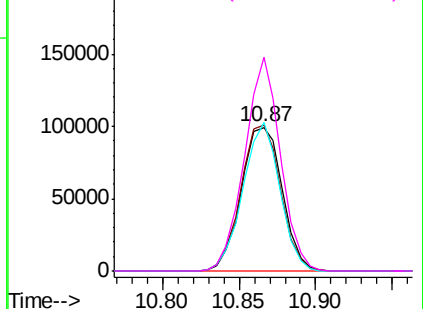


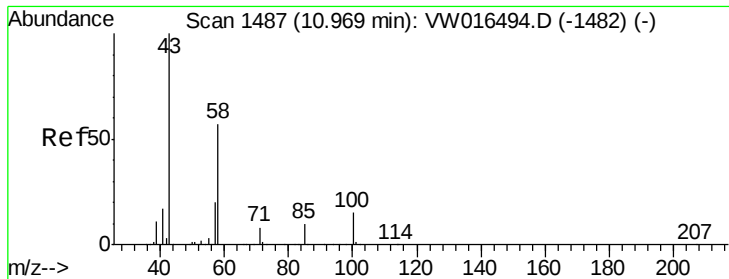
Abundance Ion 164.00 (163.70 to 164.70): V

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

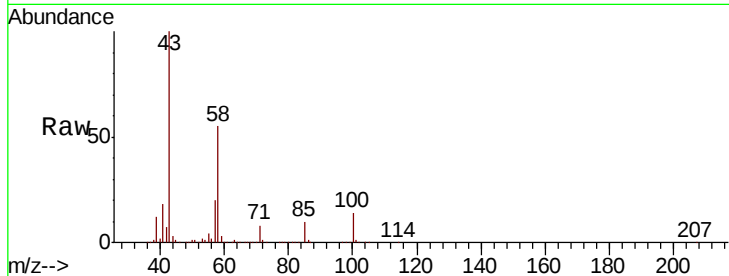




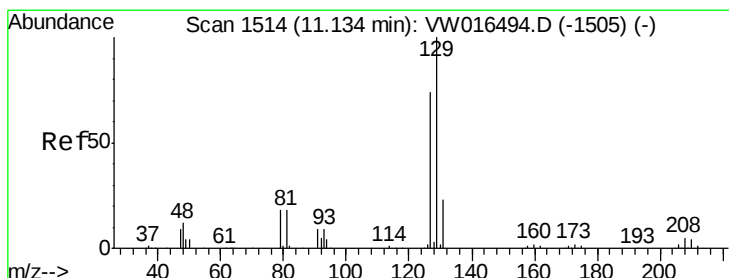
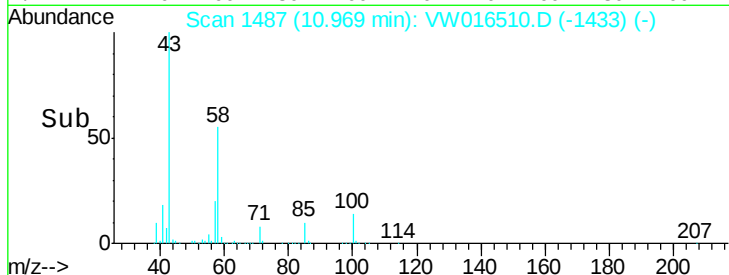
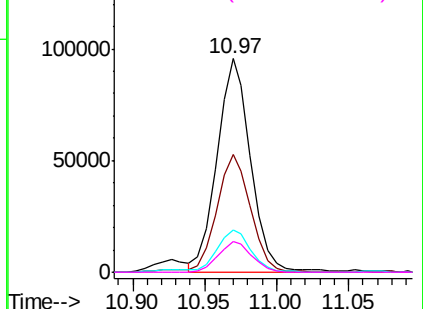
#49
2-Hexanone
Concen: 39.426 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW016510.D
Acq: 10 Sep 2020 09:02

Instrument :
MSVOA_W
ClientSampleId :
VSTD02517

Tot Ion: 43 Resp: 156346
Ion Ratio Lower Upper
43 100
58 55.4 42.1 63.1
57 19.9 14.9 22.3
100 14.3 10.3 15.5

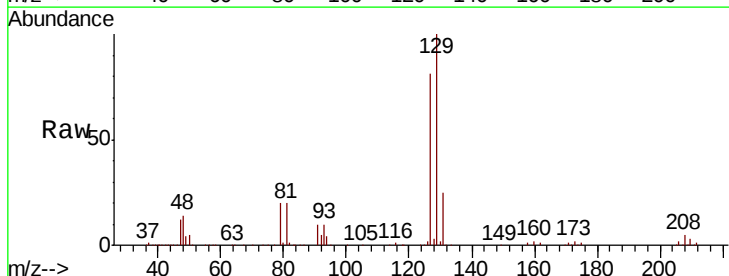


Abundance Ion 43.00 (42.70 to 43.70): VW
150000 Ion 58.00 (57.70 to 58.70): VW
Ion 57.00 (56.70 to 57.70): VW
Ion 100.00 (99.70 to 100.70): VW

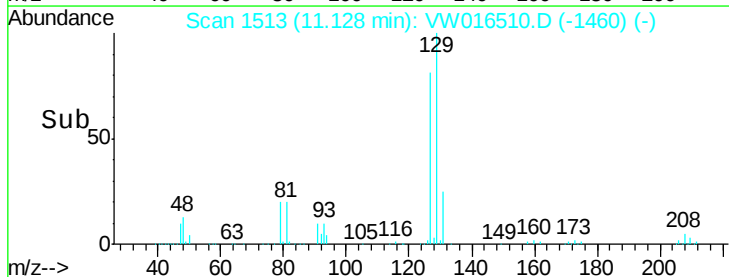
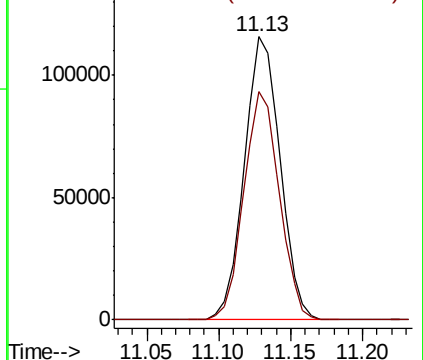


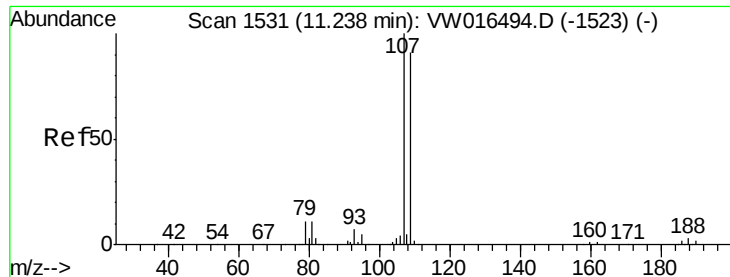
#50
Dibromochloromethane
Concen: 24.732 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VW016510.D
Acq: 10 Sep 2020 09:02

Tgt Ion: 129 Resp: 199309
Ion Ratio Lower Upper
129 100
127 80.7 55.4 103.0



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





#51

1,2-Dibromoethane

Concen: 24.174 ug/L

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW016510.D

Acq: 10 Sep 2020 09:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD02517

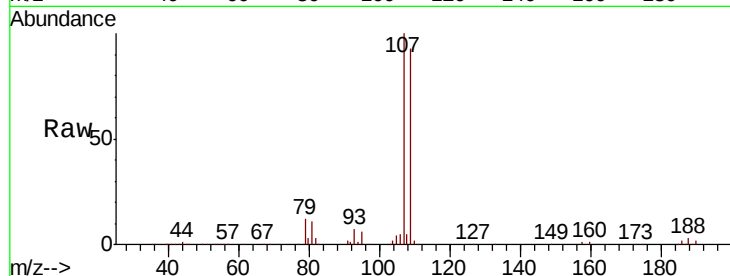
Tot Ion:107 Resp: 153958

Ion Ratio Lower Upper

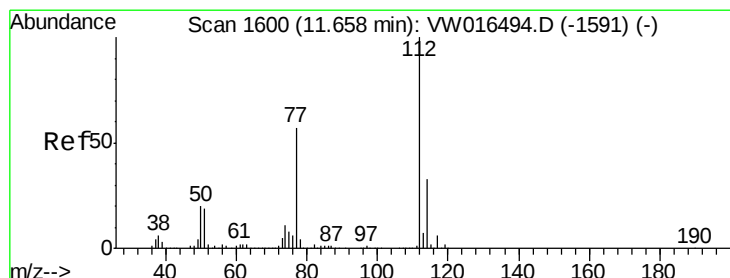
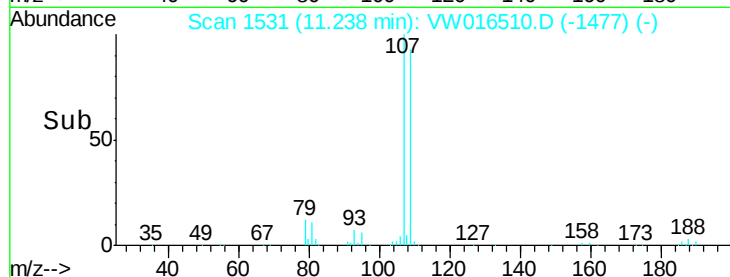
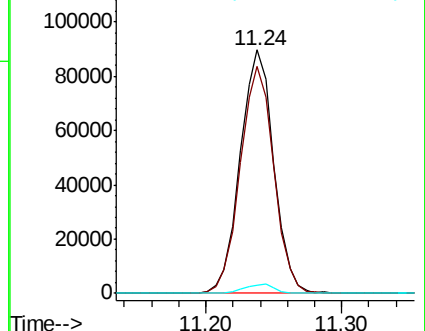
107 100

109 93.3 64.8 120.4

188 3.5 3.4 5.0



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: 26.425 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW016510.D

Acq: 10 Sep 2020 09:02

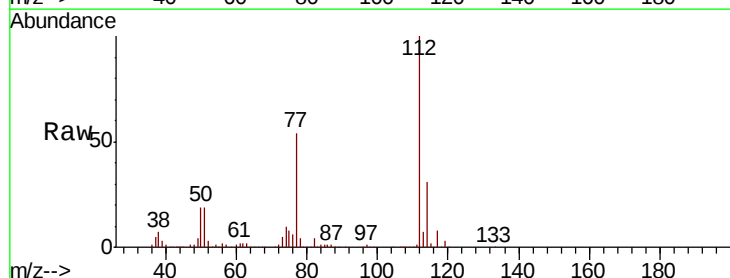
Tgt Ion:112 Resp: 610055

Ion Ratio Lower Upper

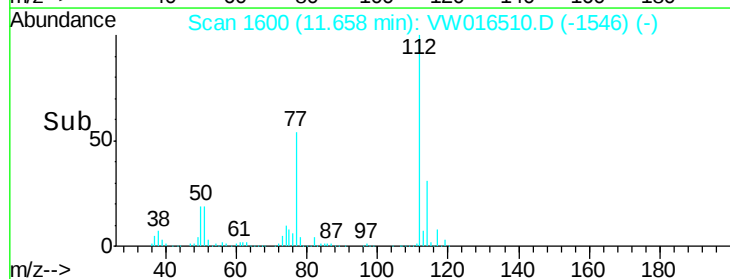
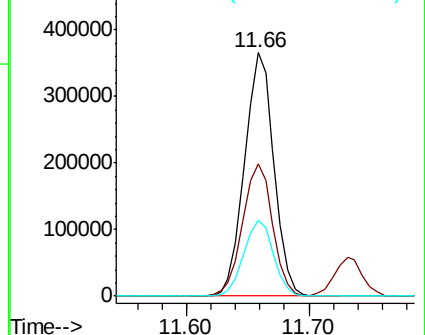
112 100

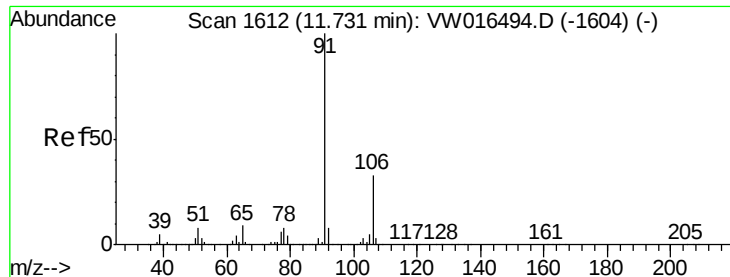
77 54.5 46.2 69.2

114 31.3 21.1 39.3



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

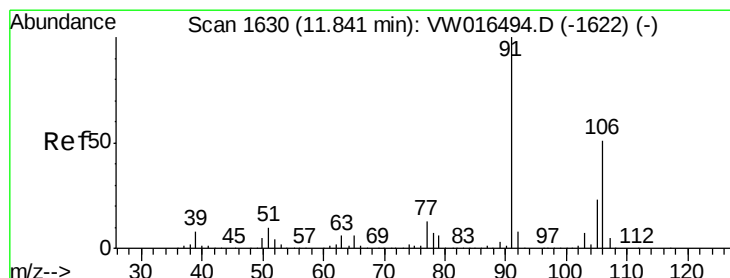
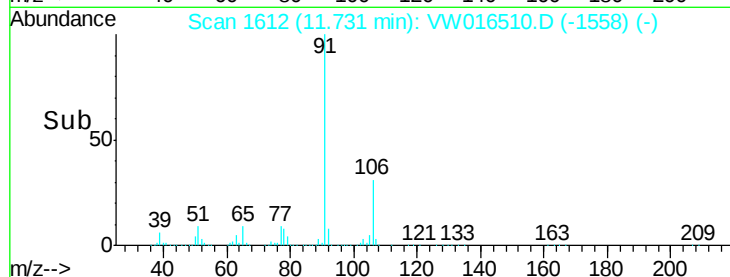
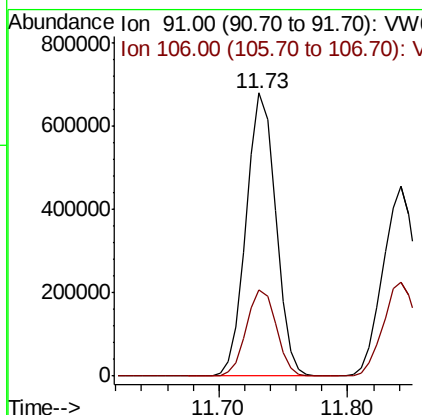
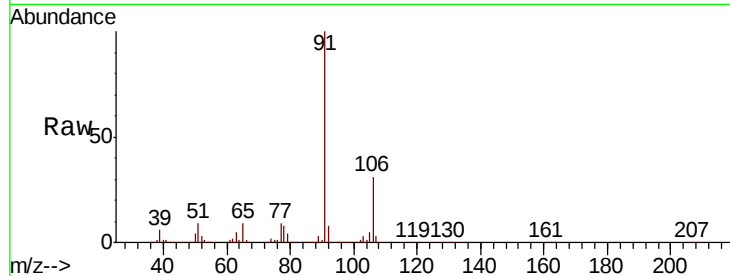




#53
Ethylbenzene
Concen: 26.265 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW016510.D
Acq: 10 Sep 2020 09:02

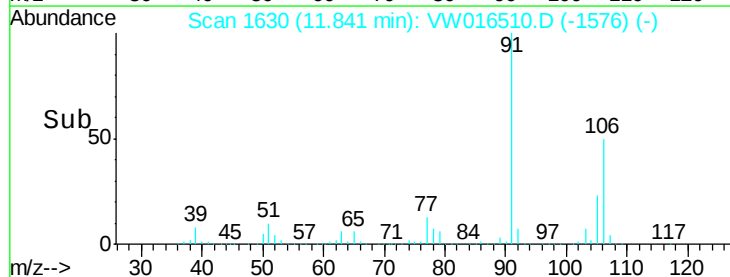
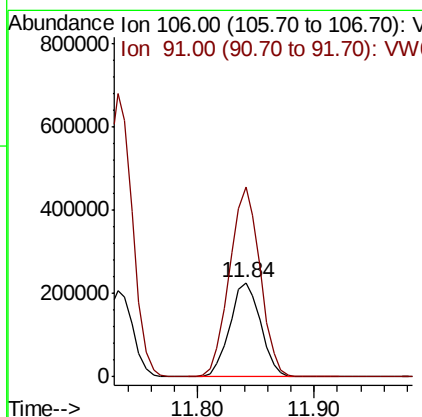
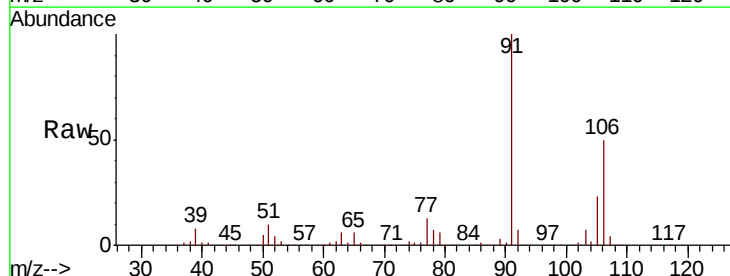
Instrument :
MSVOA_W
ClientSampleId :
VSTD02517

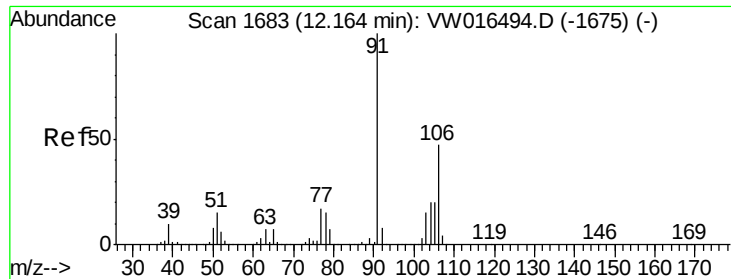
Tot Ion: 91 Resp: 1076684
Ion Ratio Lower Upper
91 100
106 30.5 21.6 40.2



#54
m,p-Xylene
Concen: 26.540 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW016510.D
Acq: 10 Sep 2020 09:02

Tgt Ion: 106 Resp: 415800
Ion Ratio Lower Upper
106 100
91 200.6 142.3 264.3





#55

o-xylene

Concen: 26.016 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW016510.D

Acq: 10 Sep 2020 09:02

Instrument :

MSVOA_W

ClientSampleId :

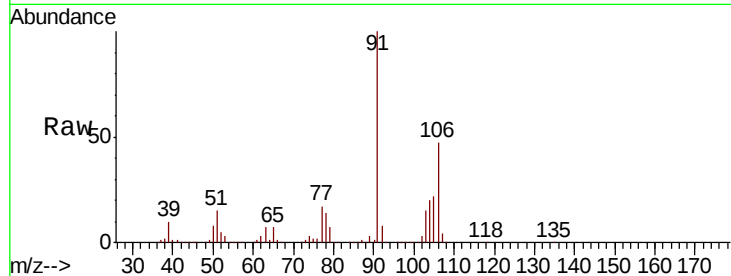
VSTD02517

Tot Ion:106 Resp: 388260

Ion Ratio Lower Upper

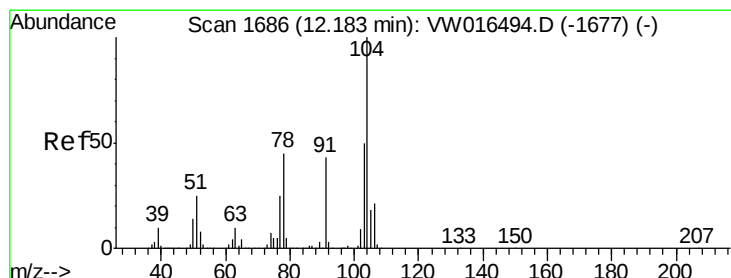
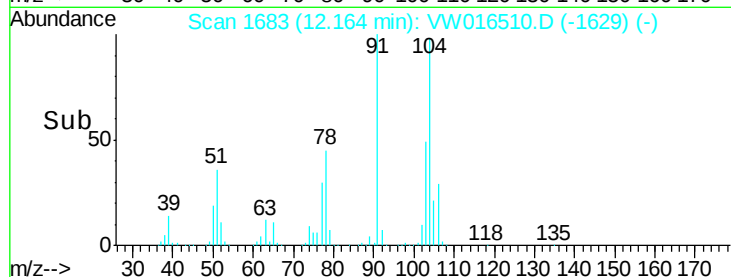
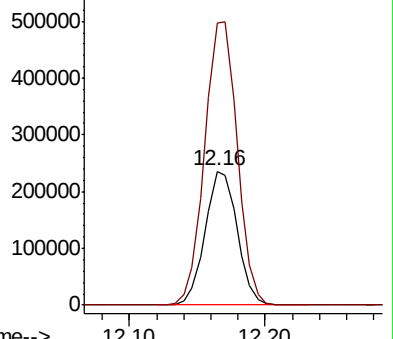
106 100

91 210.6 144.3 267.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 25.968 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW016510.D

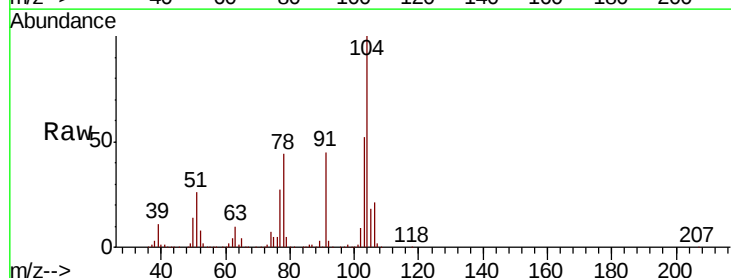
Acq: 10 Sep 2020 09:02

Tgt Ion:104 Resp: 665887

Ion Ratio Lower Upper

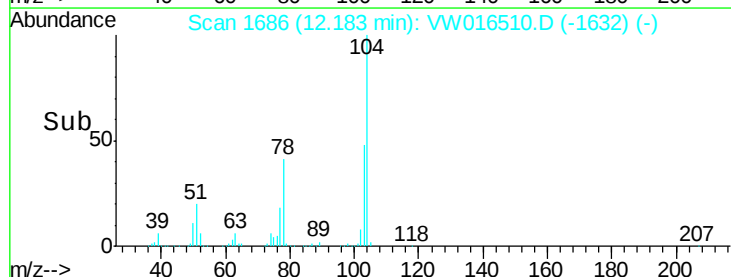
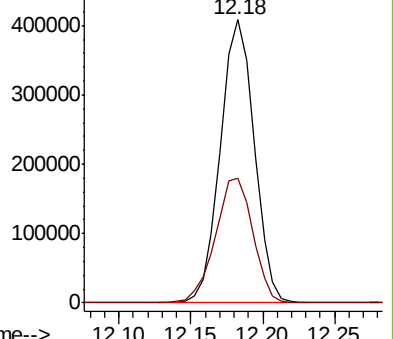
104 100

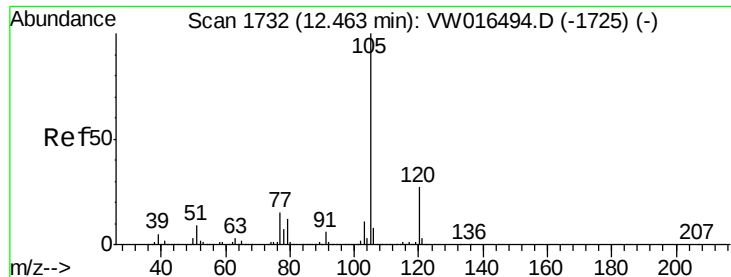
78 44.0 32.8 61.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 27.151 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW016510.D

Acq: 10 Sep 2020 09:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD02517

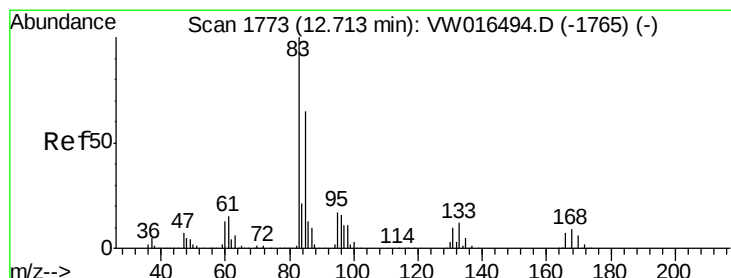
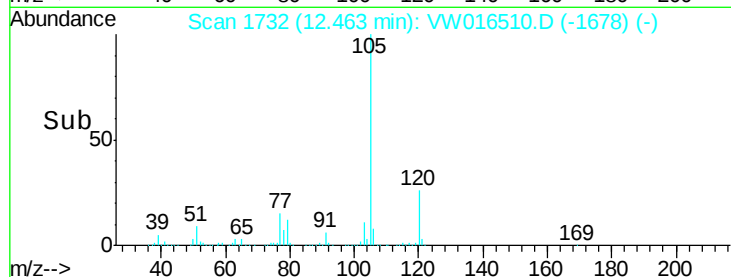
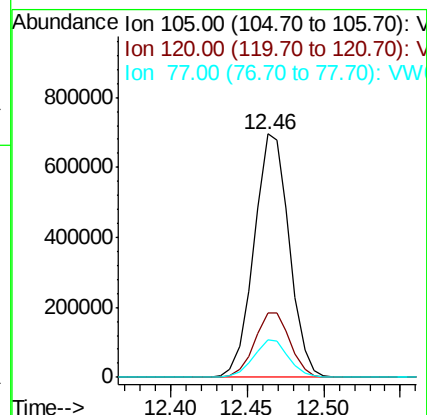
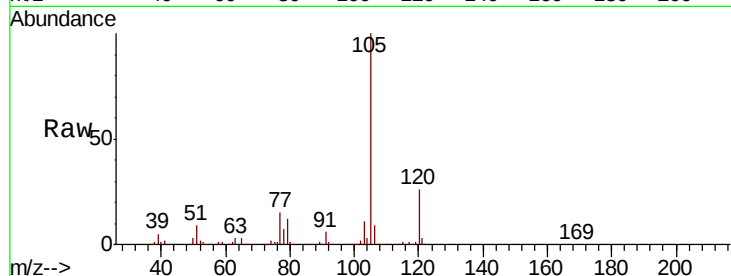
Tot Ion:105 Resp: 1109962

Ion Ratio Lower Upper

105 100

120 26.7 21.9 32.9

77 15.2 13.0 19.6



#58

1,1,2,2-Tetrachloroethane

Concen: 23.371 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW016510.D

Acq: 10 Sep 2020 09:02

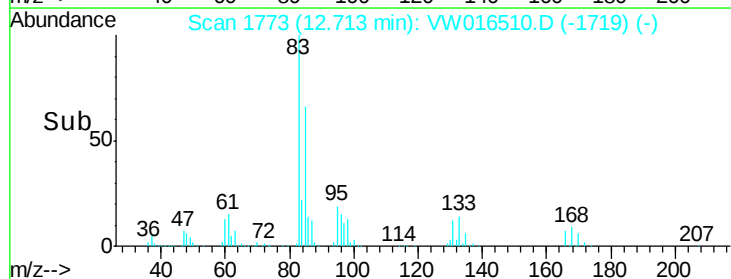
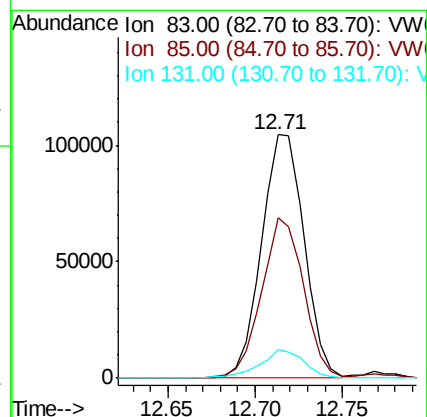
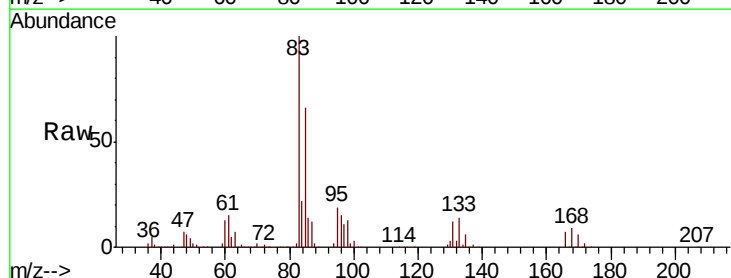
Tgt Ion: 83 Resp: 177560

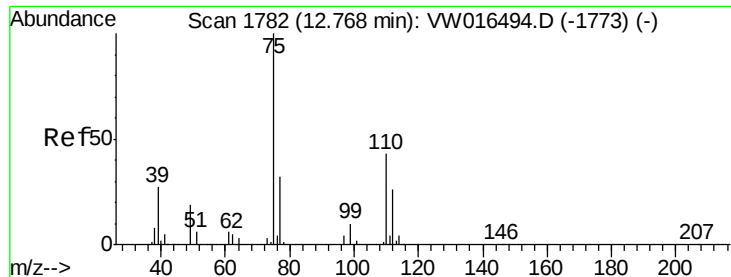
Ion Ratio Lower Upper

83 100

85 66.1 45.3 84.1

131 11.7 8.7 13.1





#59

1,2,3-Trichloropropane

Concen: 22.467 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.01 min

Lab File: VW016510.D

Acq: 10 Sep 2020 09:02

Instrument :

MSVOA_W

ClientSampleId :

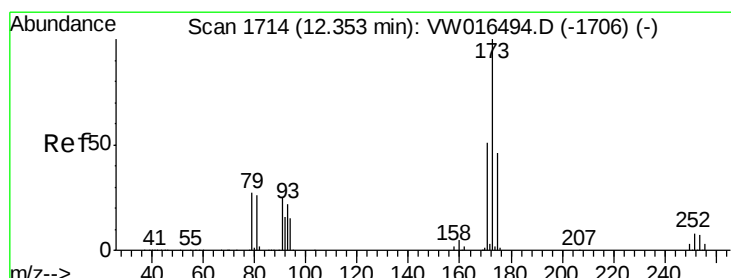
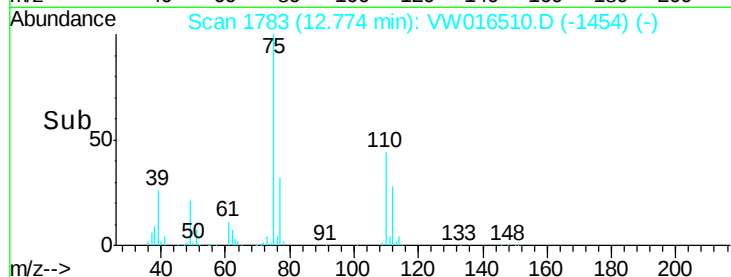
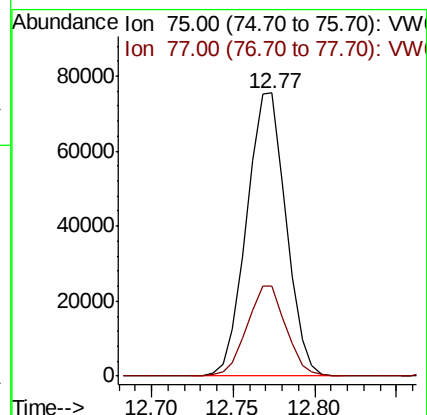
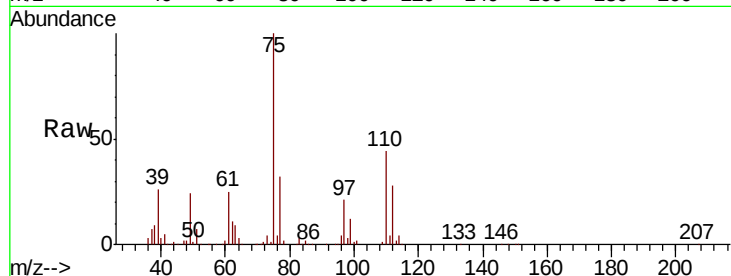
VSTD02517

Tot Ion: 75 Resp: 127577

Ion Ratio Lower Upper

75 100

77 31.6 26.0 39.0



#62

Bromoform

Concen: 23.389 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW016510.D

Acq: 10 Sep 2020 09:02

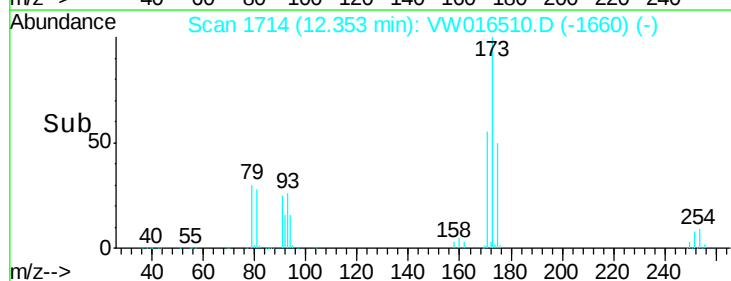
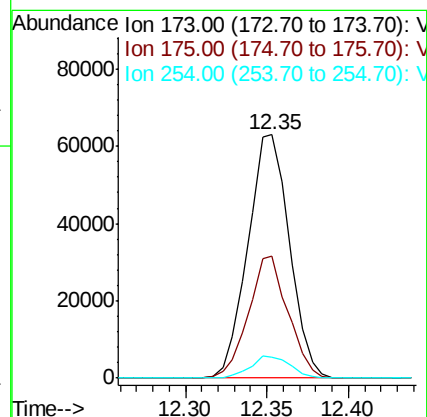
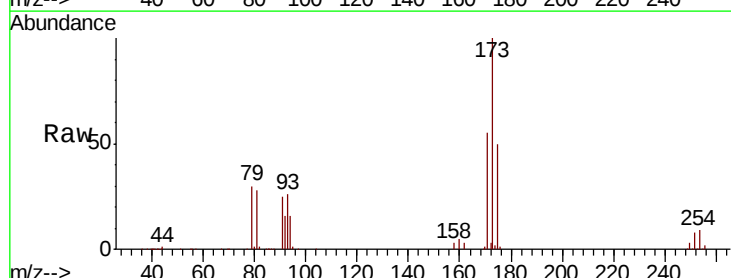
Tgt Ion: 173 Resp: 111913

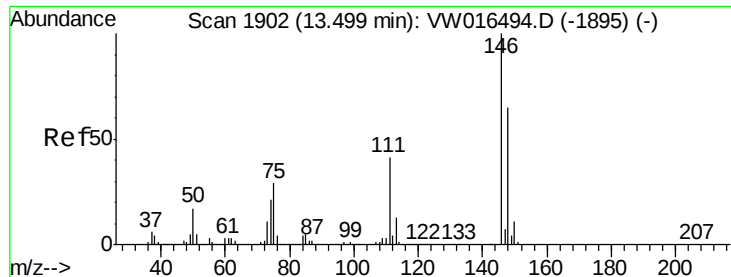
Ion Ratio Lower Upper

173 100

175 47.6 39.2 58.8

254 8.8 5.8 8.6#





#63

1,3-Dichlorobenzene

Concen: 26.278 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW016510.D

Acq: 10 Sep 2020 09:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD02517

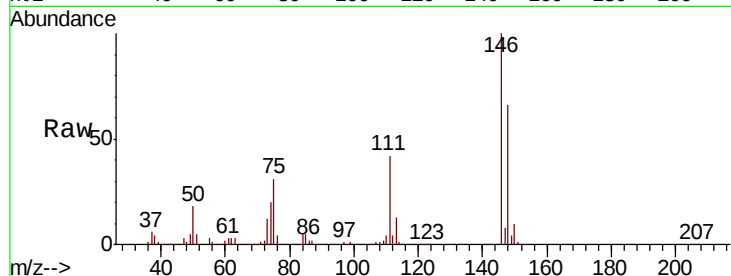
Tot Ion:146 Resp: 471744

Ion Ratio Lower Upper

146 100

111 42.1 26.5 49.3

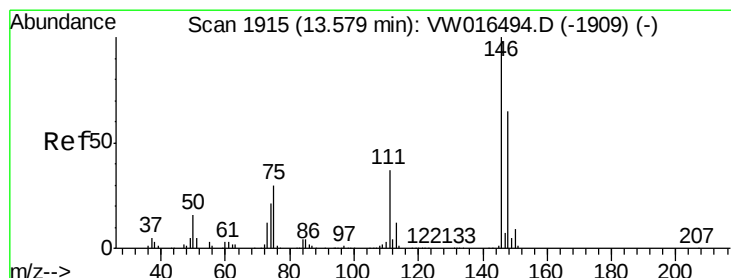
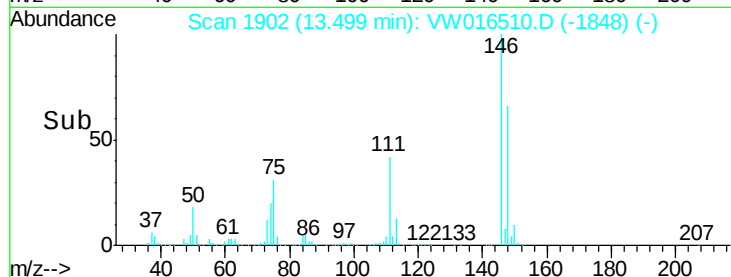
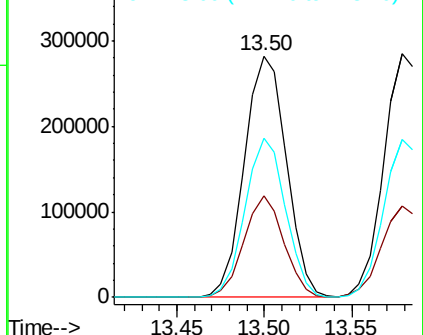
148 65.9 41.3 76.7



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



#64

1,4-Dichlorobenzene

Concen: 25.752 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW016510.D

Acq: 10 Sep 2020 09:02

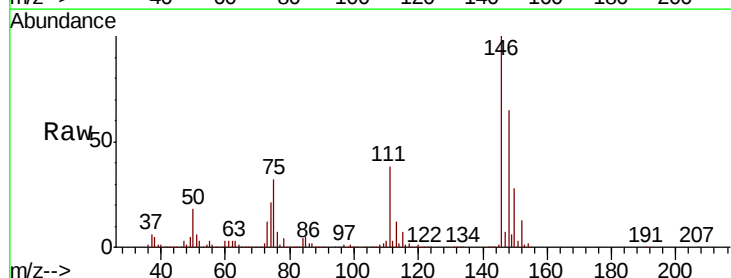
Tgt Ion:146 Resp: 458395

Ion Ratio Lower Upper

146 100

111 37.8 26.4 49.0

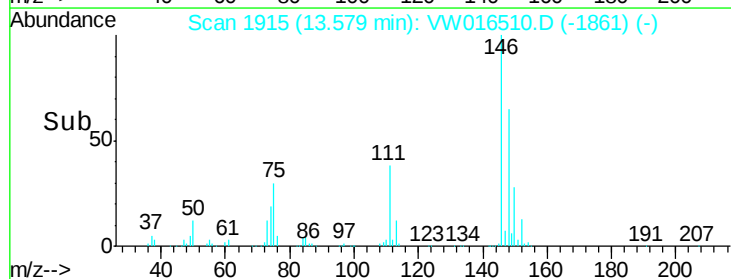
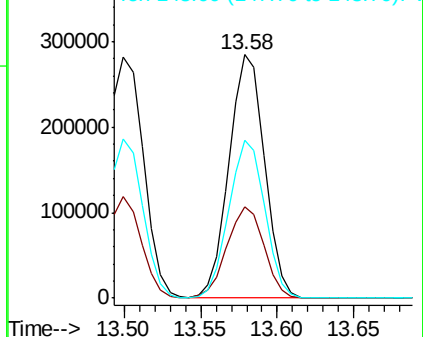
148 65.1 45.1 83.9

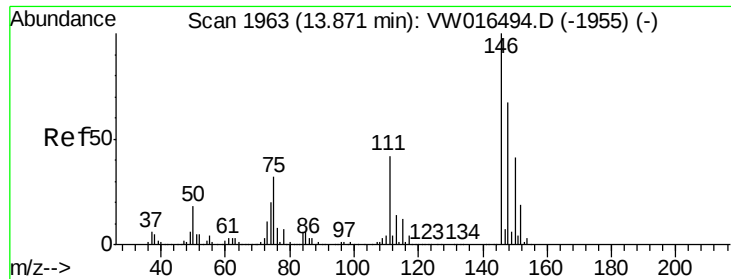


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 26.150 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW016510.D

Acq: 10 Sep 2020 09:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD02517

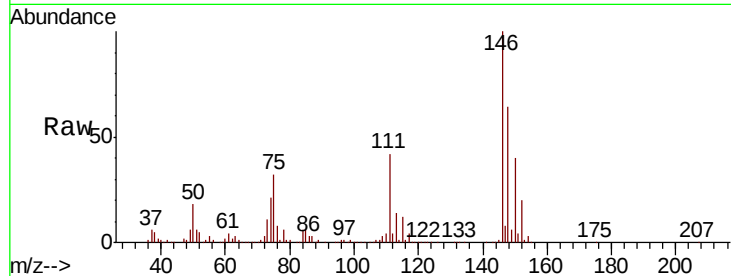
Tot Ion:146 Resp: 417276

Ion Ratio Lower Upper

146 100

111 42.0 35.3 52.9

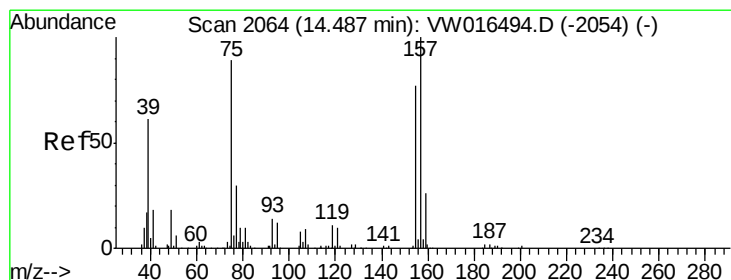
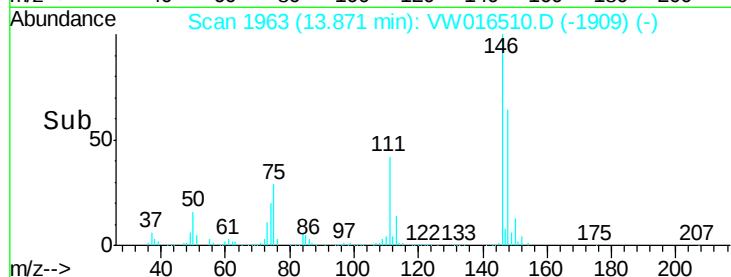
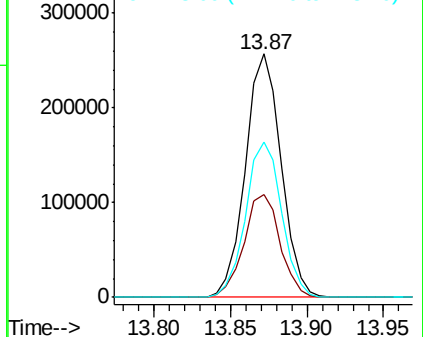
148 63.7 49.8 74.8



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: 20.576 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW016510.D

Acq: 10 Sep 2020 09:02

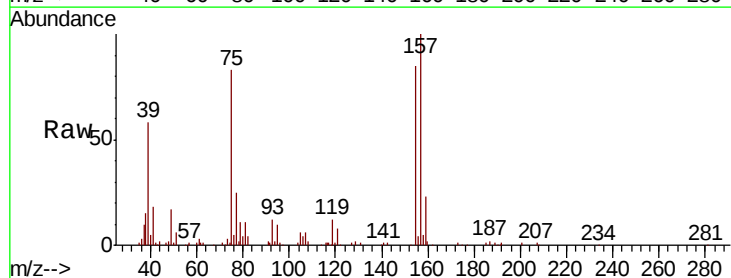
Tgt Ion: 75 Resp: 30573

Ion Ratio Lower Upper

75 100

157 120.6 91.4 137.0

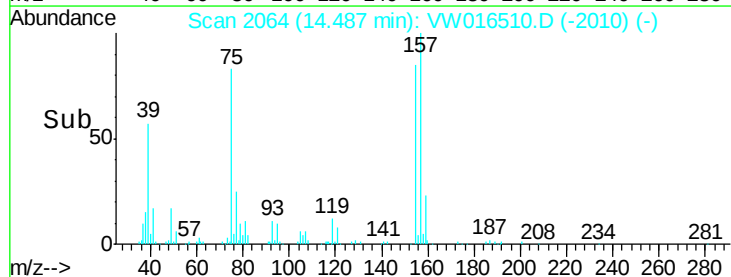
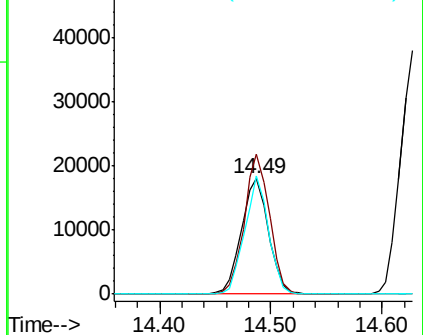
155 102.1 71.3 106.9

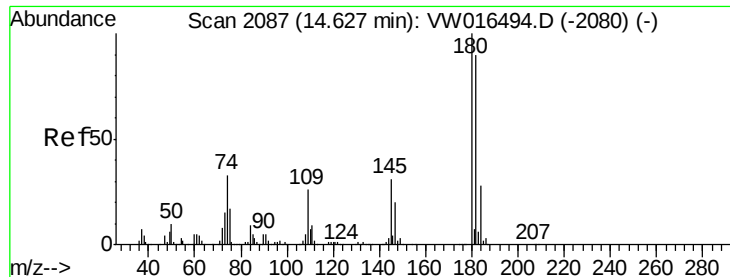


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

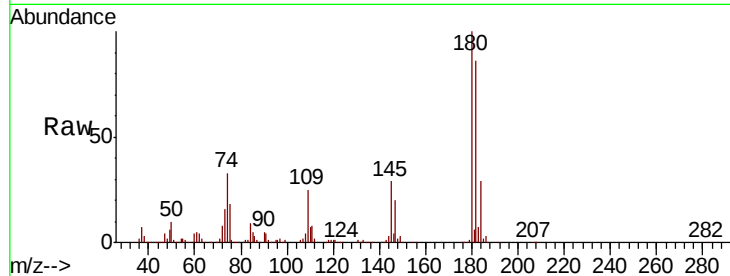




#67
 1,3,5-Trichlorobenzene
 Concen: 26.174 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW016510.D
 Acq: 10 Sep 2020 09:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02517

Tot Ion	180	Resp	323867
Ion Ratio	Lower	Upper	
180	100		
182	94.4	75.8	113.8
184	30.6	24.2	36.2
145	30.4	24.6	36.8



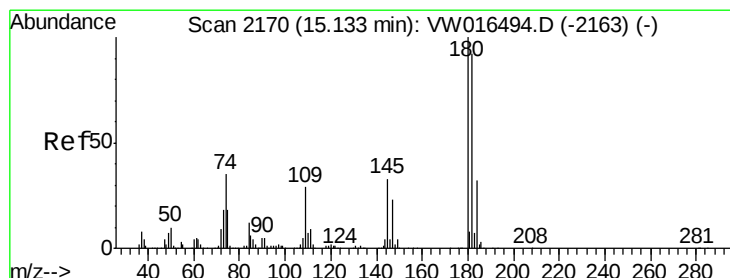
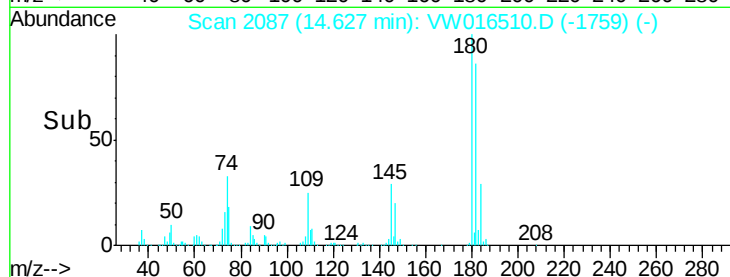
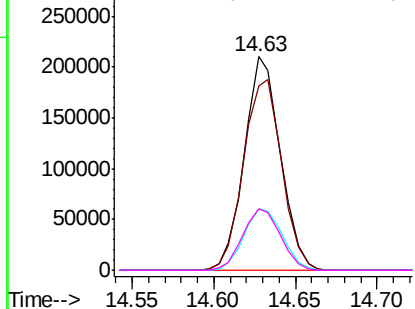
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

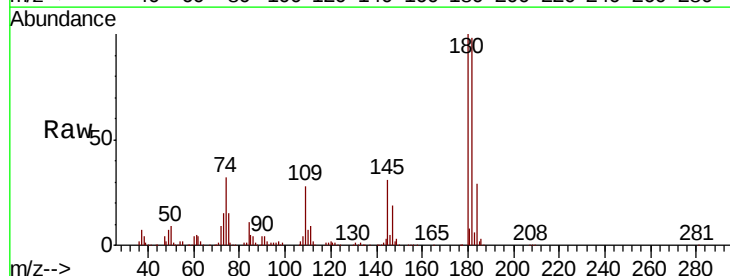
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 24.931 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW016510.D
 Acq: 10 Sep 2020 09:02

Tgt Ion	180	Resp	266828
Ion Ratio	Lower	Upper	
180	100		
182	96.7	78.5	117.7
145	31.8	25.6	38.4

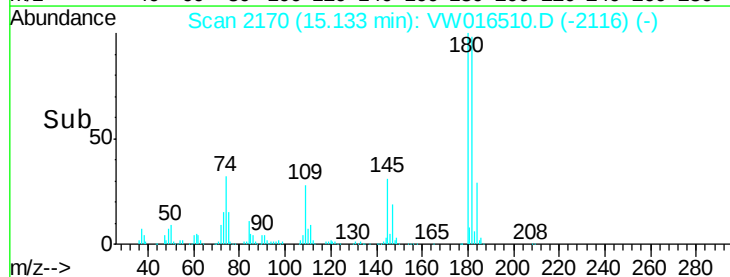
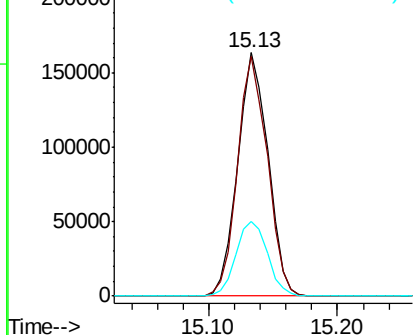


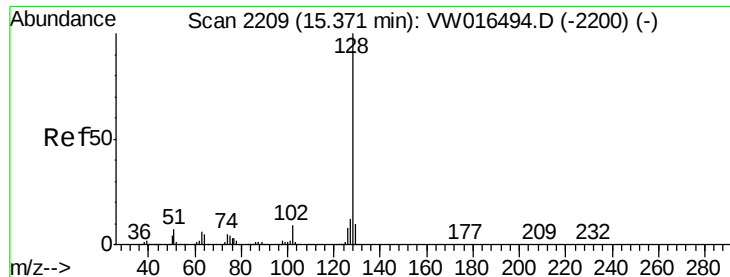
Abundance

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: 22.992 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW016510.D

Acq: 10 Sep 2020 09:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD02517

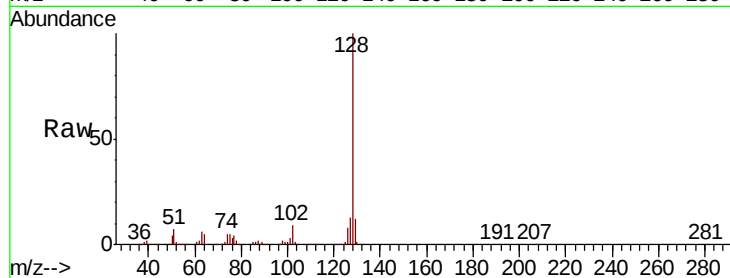
Tot Ion:128 Resp: 519337

Ion Ratio Lower Upper

128 100

129 11.4 8.7 13.1

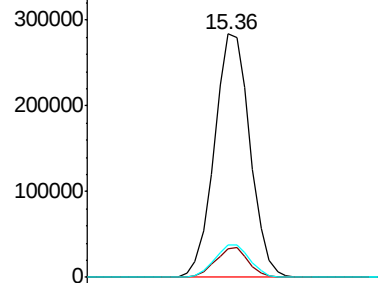
127 13.5 10.5 15.7



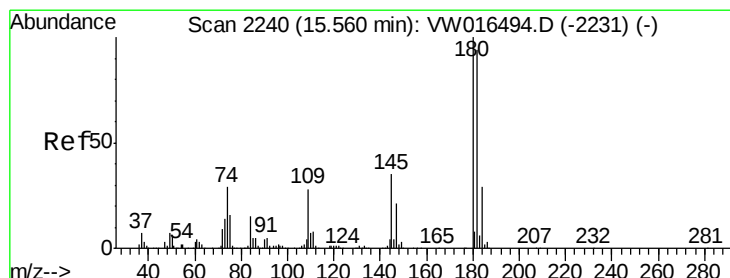
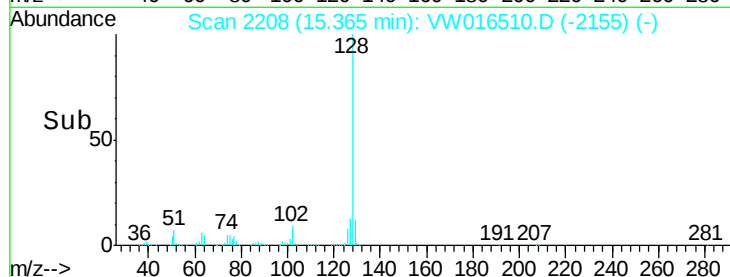
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



Time-->



#70

1,2,3-Trichlorobenzene

Concen: 24.892 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW016510.D

Acq: 10 Sep 2020 09:02

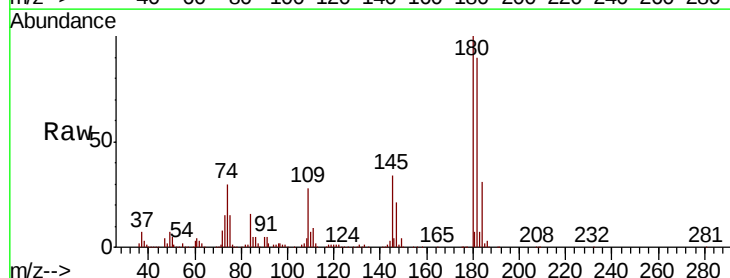
Tgt Ion:180 Resp: 228733

Ion Ratio Lower Upper

180 100

182 92.2 76.1 114.1

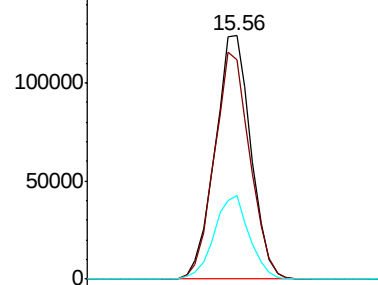
145 33.4 28.1 42.1



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



Time-->

