

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090920\
 Data File : VW016508.D
 Acq On : 09 Sep 2020 19:42
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02516

Quant Time: Sep 10 05:17:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM090320S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 10 05:09:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	659687	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	592702	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	284837	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.37	65	145438	20.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.12%
7) Chloroethane-d5	2.90	69	153387	24.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.64%
10) 1,1-Dichloroethene-d2	4.04	63	356041	22.12	ug/L	0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.48%
20) 2-Butanone-d5	7.08	46	117764	47.11	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.22%
24) Chloroform-d	7.65	84	396039	25.63	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.52%
26) 1,2-Dichloroethane-d4	8.31	65	209594	24.81	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.24%
29) Benzene-d6	8.28	84	746431	24.77	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.08%
33) 1,2-Dichloropropane-d6	9.28	67	219760	24.83	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.32%
37) Toluene-d8	10.33	98	713071	24.90	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.60%
38) trans-1,3-Dichloropropene-	10.58	79	107235	24.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.04%
39) 2-Hexanone-d5	10.93	63	95184	52.61	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.22%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	205943	27.51	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	110.04%
61) 1,2-Dichlorobenzene-d4	13.86	152	265517	26.97	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	107.88%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.02	85	157998	21.407	ug/L 92
3) Chloromethane	2.23	50	141111	21.777	ug/L 97
5) Vinyl chloride	2.37	62	206316	24.998	ug/L 98
6) Bromomethane	2.79	94	174040	28.214	ug/L 100
8) Chloroethane	2.94	64	140467	27.666	ug/L 98
9) Trichlorofluoromethane	3.27	101	169774	25.118	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.08	101	206039	25.773	ug/L 97
12) 1,1-Dichloroethene	4.05	96	205307	25.256	ug/L 98
13) Acetone	4.12	43	78919	49.192	ug/L 99
14) Carbon disulfide	4.39	76	596113	23.996	ug/L 99
15) Methyl Acetate	4.68	43	92718	23.829	ug/L 95
16) Methylene chloride	4.92	84	219185	21.290	ug/L 94
17) Methyl tert-butyl Ether	5.43	73	313081	25.673	ug/L 97
18) trans-1,2-Dichloroethene	5.43	96	214482	24.839	ug/L 94
19) 1,1-Dichloroethane	6.22	63	358875	24.420	ug/L 99
21) 2-Butanone	7.17	43	122420	45.464	ug/L 94
22) cis-1,2-Dichloroethene	7.17	96	233446	25.951	ug/L 97

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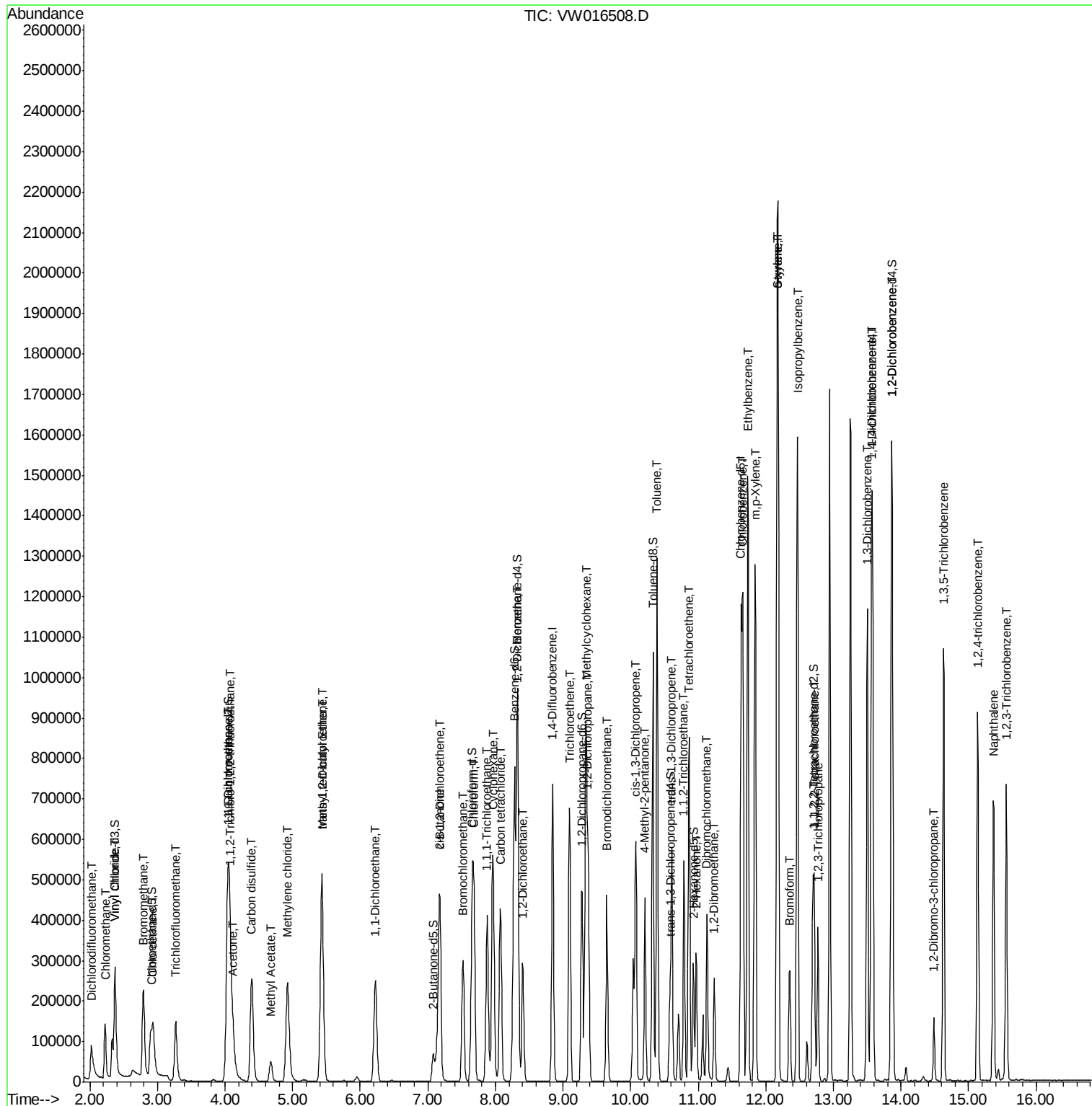
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	106203	25.470	ug/L	92
25) Chloroform	7.68	83	392956	25.834	ug/L	99
27) 1,2-Dichloroethane	8.40	62	259670	25.637	ug/L	100
30) Cyclohexane	7.96	56	317290	22.410	ug/L	92
31) 1,1,1-Trichloroethane	7.88	97	337142	26.269	ug/L	98
32) Carbon tetrachloride	8.07	117	317229	25.842	ug/L	100
34) Benzene	8.33	78	830598	25.631	ug/L	100
35) Trichloroethene	9.10	95	227962	25.387	ug/L	99
36) Methylcyclohexane	9.34	83	380470	24.217	ug/L	95
40) 1,2-Dichloropropane	9.37	63	199637	24.916	ug/L	100
41) Bromodichloromethane	9.65	83	297590	26.566	ug/L	95
42) cis-1,3-Dichloropropene	10.07	75	341889	25.145	ug/L	95
43) 4-Methyl-2-pentanone	10.21	43	272892	48.098	ug/L	97
44) Toluene	10.39	91	955182	26.341	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	307649	25.313	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	167904	26.440	ug/L	99
47) Tetrachloroethene	10.87	164	180449	25.064	ug/L	98
49) 2-Hexanone	10.97	43	191374	48.434	ug/L	96
50) Dibromochloromethane	11.13	129	214566	26.721	ug/L	100
51) 1,2-Dibromoethane	11.24	107	169812	26.760	ug/L	96
52) Chlorobenzene	11.66	112	620445	26.972	ug/L	96
53) Ethylbenzene	11.73	91	1061696	25.993	ug/L	97
54) m,p-Xylene	11.84	106	413536	26.491	ug/L	99
55) o-xylene	12.17	106	397929	26.760	ug/L	95
56) Styrene	12.18	104	688011	26.928	ug/L	94
57) Isopropylbenzene	12.47	105	1082362	26.571	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	206481	27.276	ug/L	95
59) 1,2,3-Trichloropropane	12.77	75	151618	26.797	ug/L	100
62) Bromoform	12.35	173	127985	26.777	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	476281	26.560	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	475459	26.740	ug/L	95
65) 1,2-Dichlorobenzene	13.87	146	441445	27.695	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	36505	24.595	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	314434	25.439	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	265675	24.851	ug/L	99
69) Naphthalene	15.36	128	616945	27.343	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	243733	26.553	ug/L	98

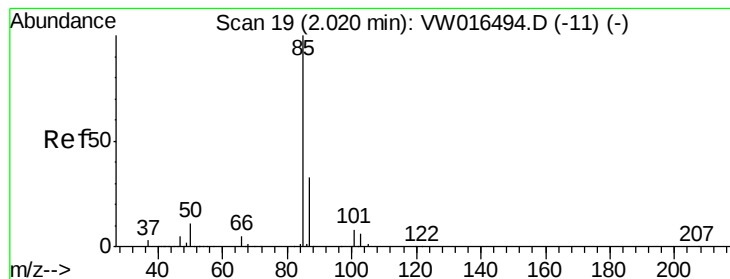
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 21.407 ug/L

RT: 2.02 min Scan# 19

Delta R.T. -0.00 min

Lab File: VW016508.D

Acq: 09 Sep 2020 19:42

Instrument :

MSVOA_W

ClientSampleId :

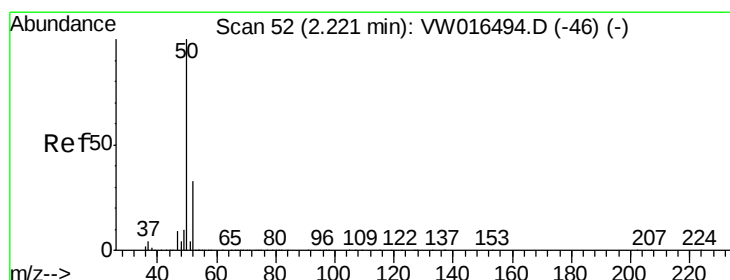
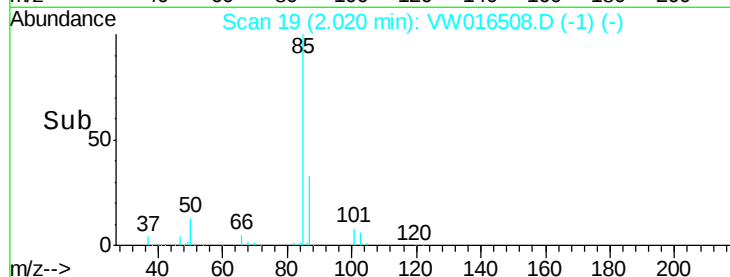
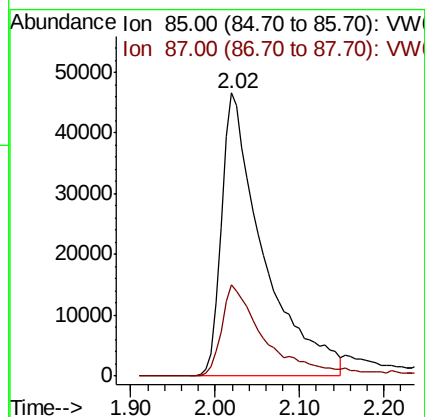
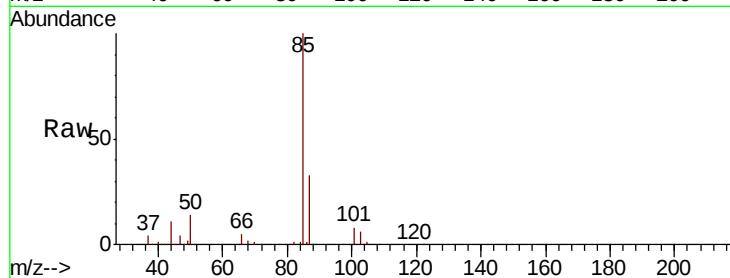
VSTD02516

Tot Ion: 85 Resp: 157998

Ion Ratio Lower Upper

85 100

87 27.5 22.3 41.5



#3

Chloromethane

Concen: 21.777 ug/L

RT: 2.23 min Scan# 53

Delta R.T. 0.01 min

Lab File: VW016508.D

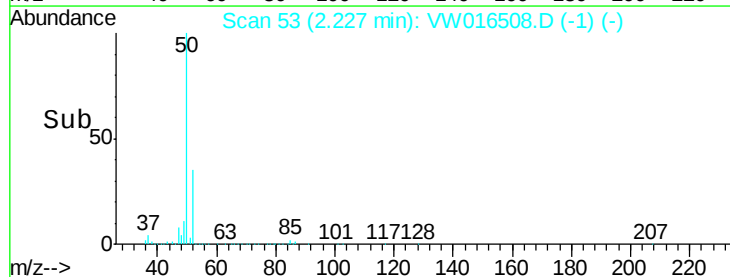
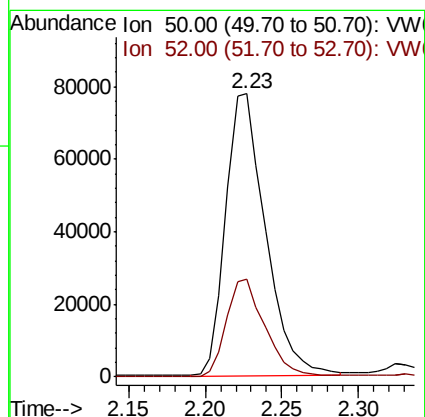
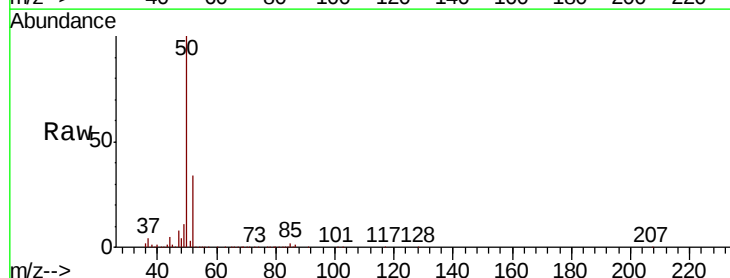
Acq: 09 Sep 2020 19:42

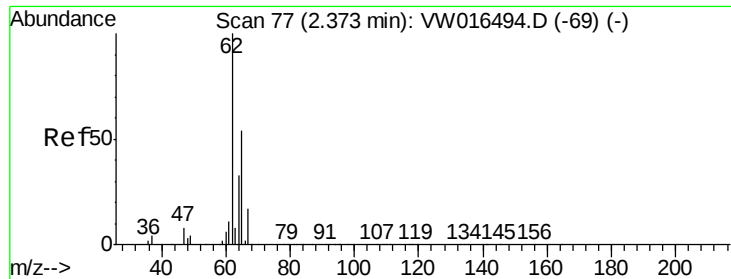
Tgt Ion: 50 Resp: 141111

Ion Ratio Lower Upper

50 100

52 34.5 23.0 42.6





#5

Vinyl chloride

Concen: 24.998 ug/L

RT: 2.37 min Scan# 77

Delta R.T. -0.00 min

Lab File: VW016508.D

Acq: 09 Sep 2020 19:42

Instrument :

MSVOA_W

ClientSampleId :

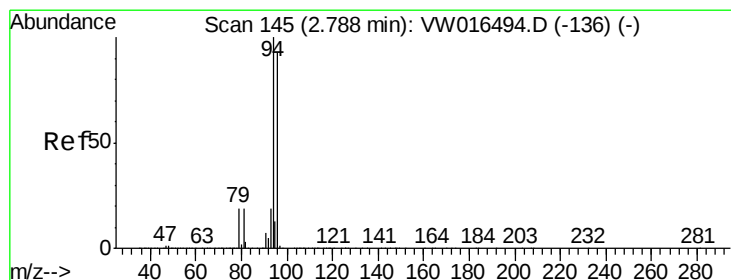
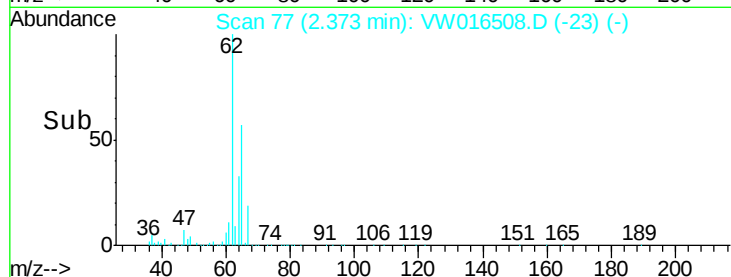
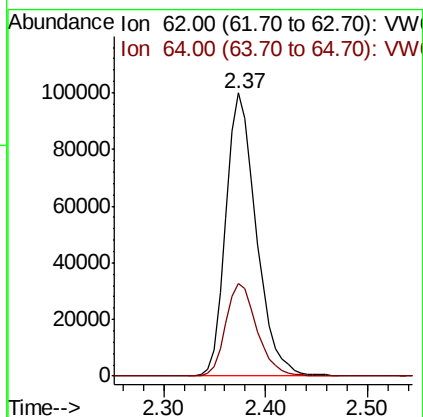
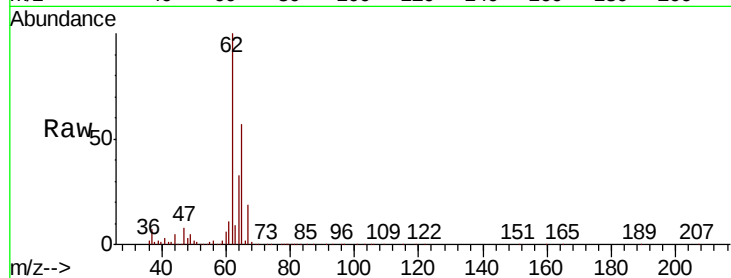
VSTD02516

Tot Ion: 62 Resp: 206316

Ion Ratio Lower Upper

62 100

64 32.9 23.9 44.5



#6

Bromomethane

Concen: 28.214 ug/L

RT: 2.79 min Scan# 146

Delta R.T. 0.01 min

Lab File: VW016508.D

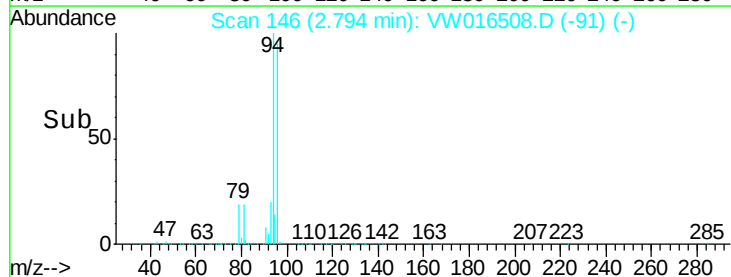
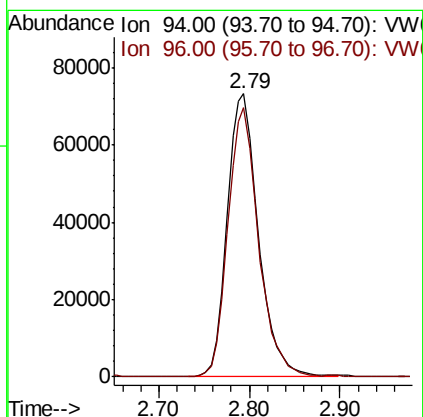
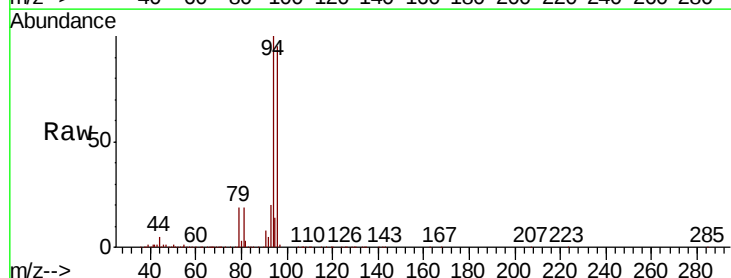
Acq: 09 Sep 2020 19:42

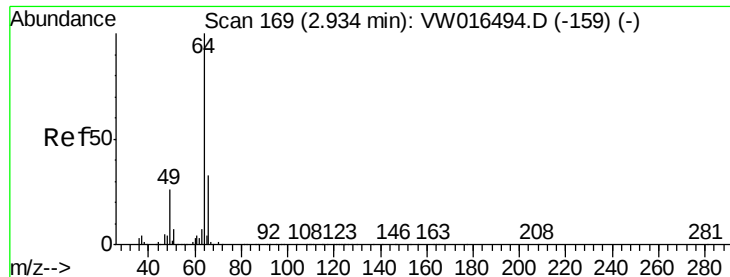
Tgt Ion: 94 Resp: 174040

Ion Ratio Lower Upper

94 100

96 93.6 9.4 178.2





#8

Chloroethane

Concen: 27.666 ug/L

RT: 2.94 min Scan# 170

Delta R.T. 0.01 min

Lab File: VW016508.D

Acq: 09 Sep 2020 19:42

Instrument :

MSVOA_W

ClientSampleId :

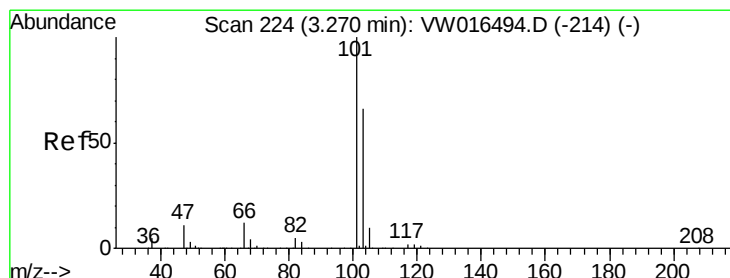
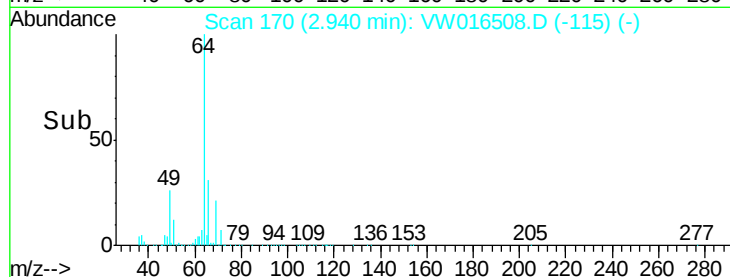
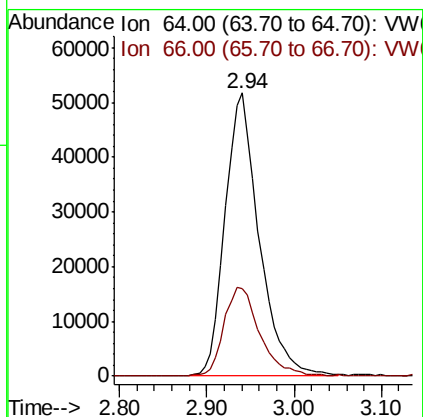
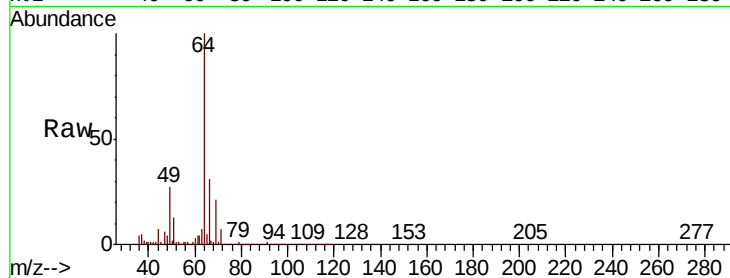
VSTD02516

Tot Ion: 64 Resp: 140467

Ion Ratio Lower Upper

64 100

66 31.0 22.4 41.6



#9

Trichlorofluoromethane

Concen: 25.118 ug/L

RT: 3.27 min Scan# 224

Delta R.T. -0.00 min

Lab File: VW016508.D

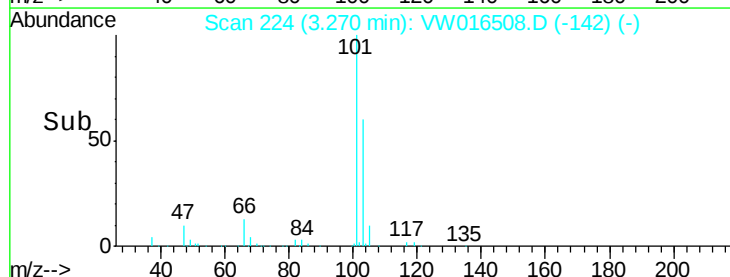
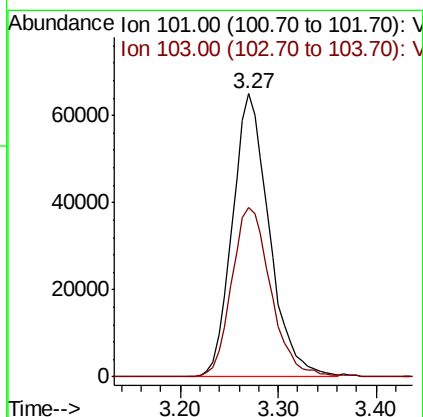
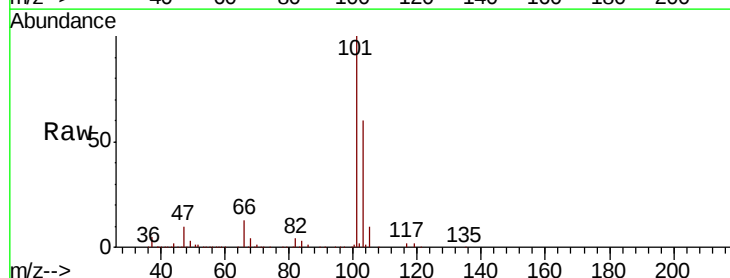
Acq: 09 Sep 2020 19:42

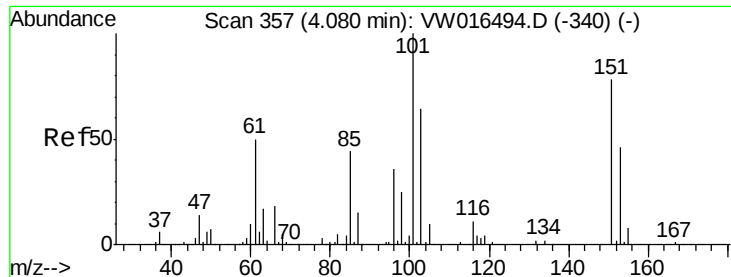
Tgt Ion: 101 Resp: 169774

Ion Ratio Lower Upper

101 100

103 63.6 45.1 83.7





#11

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

Concen: 25.773 ug/L

RT: 4.08 min Scan# 357

Delta R.T. 0.00 min

Lab File: VW016508.D

Acq: 09 Sep 2020 19:42

Instrument :

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ClientSampleId :

VSTD02516

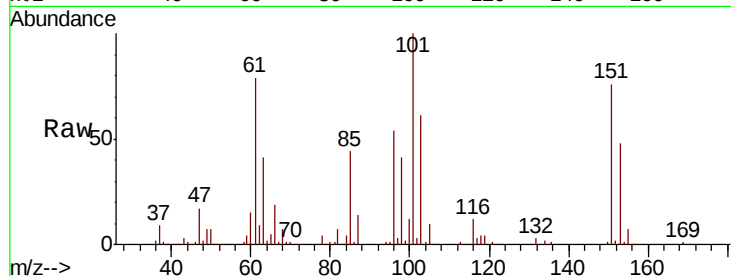
Tot Ion:101 Resp: 206039

Ion Ratio Lower Upper

101 100

85 42.9 33.4 50.0

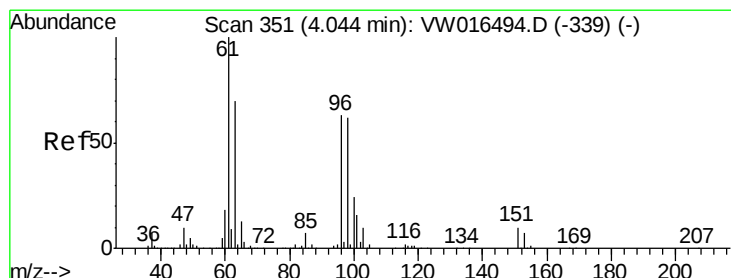
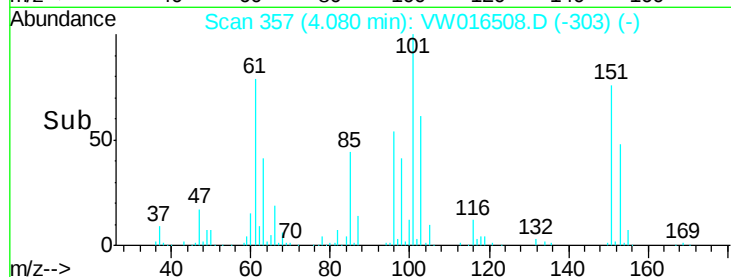
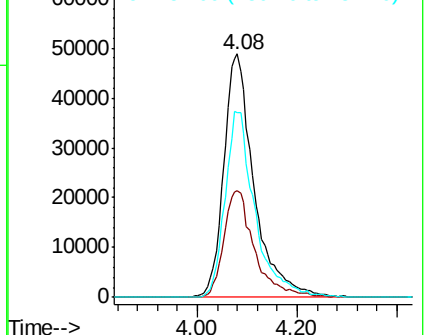
151 74.5 61.6 92.4



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: 25.256 ug/L

RT: 4.05 min Scan# 352

Delta R.T. 0.01 min

Lab File: VW016508.D

Acq: 09 Sep 2020 19:42

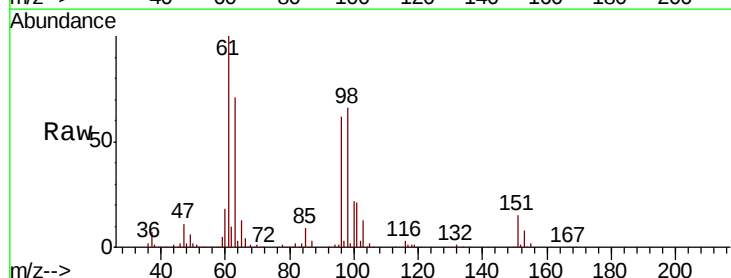
Tgt Ion: 96 Resp: 205307

Ion Ratio Lower Upper

96 100

61 161.9 116.5 216.3

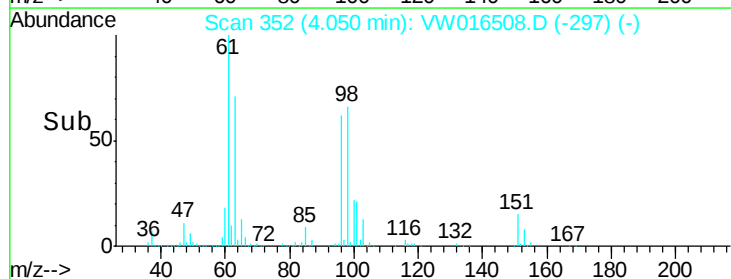
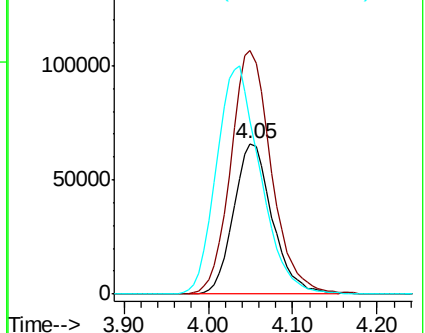
63 115.4 81.1 150.5

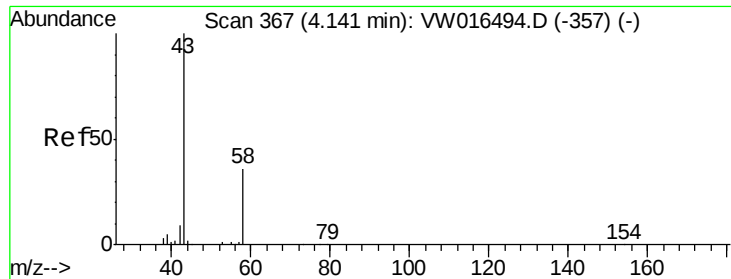


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 49.192 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.02 min

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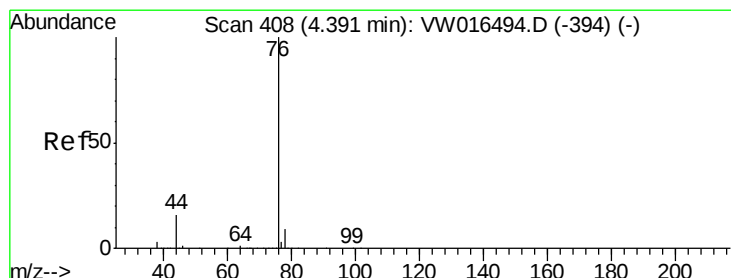
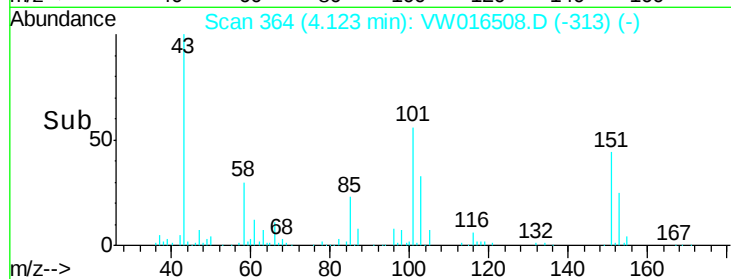
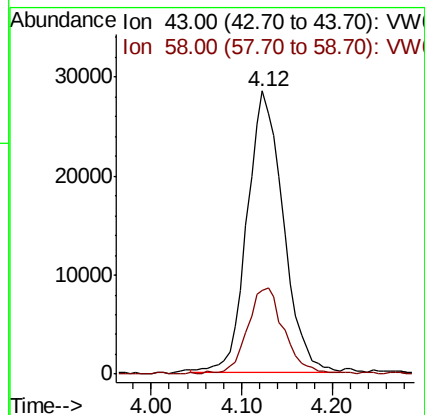
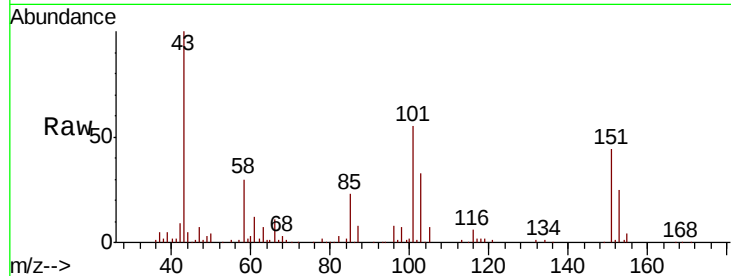
VSTD02516

Tot Ion: 43 Resp: 78919

Ion Ratio Lower Upper

43 100

58 30.8 0.0 63.0



#14

Carbon disulfide

Concen: 23.996 ug/L

RT: 4.39 min Scan# 408

Delta R.T. -0.00 min

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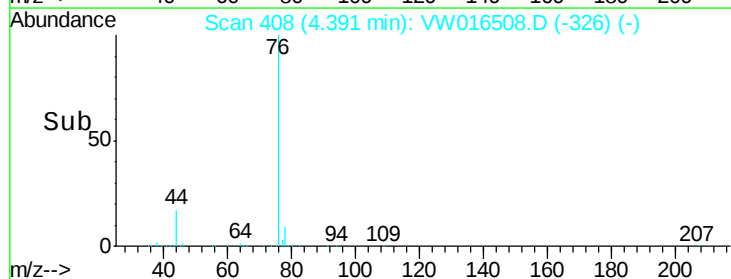
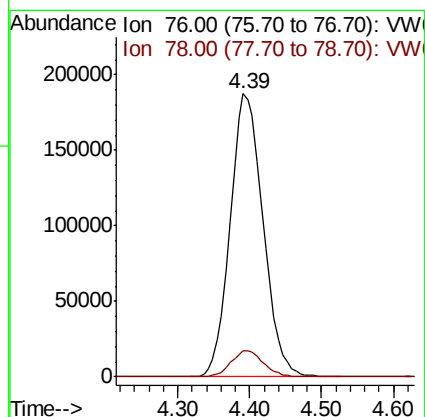
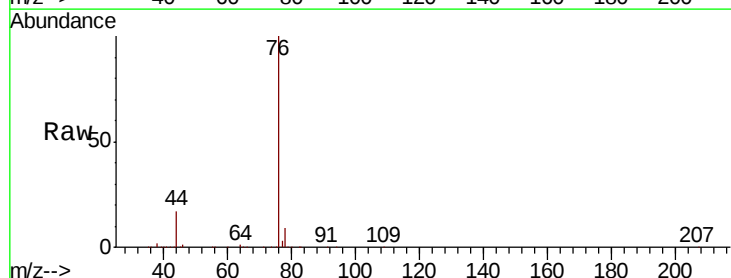
Acq: 09 Sep 2020 19:42

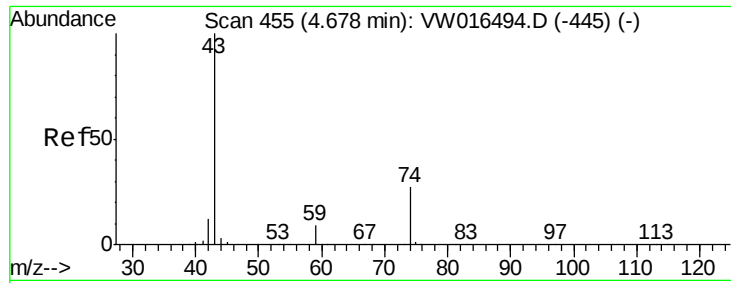
Tgt Ion: 76 Resp: 596113

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9





#15

Methvl Acetate

Concen: 23.829 ug/L

RT: 4.68 min Scan# 455

Delta R.T. -0.00 min

Lab File: VW016508.D

Acq: 09 Sep 2020 19:42

Instrument :

MSVOA_W

ClientSampleId :

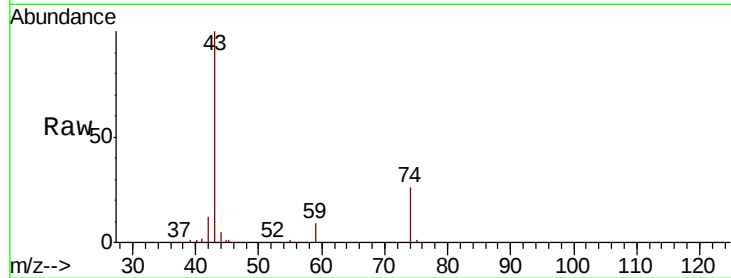
VSTD02516

Tot Ion: 43 Resp: 92718

Ion Ratio Lower Upper

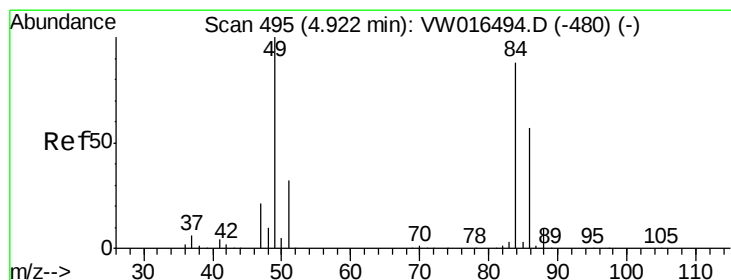
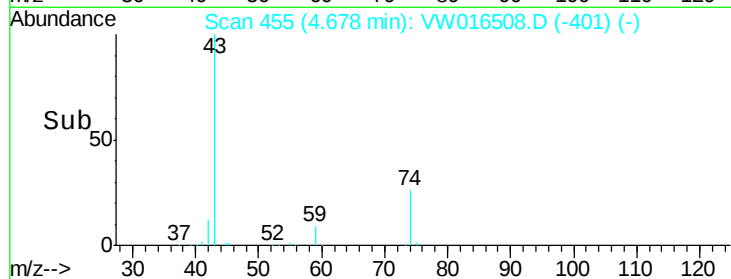
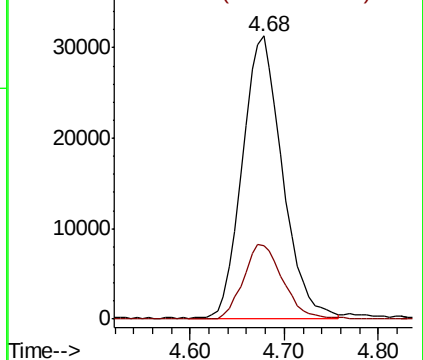
43 100

74 25.9 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 21.290 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.00 min

Lab File: VW016508.D

Acq: 09 Sep 2020 19:42

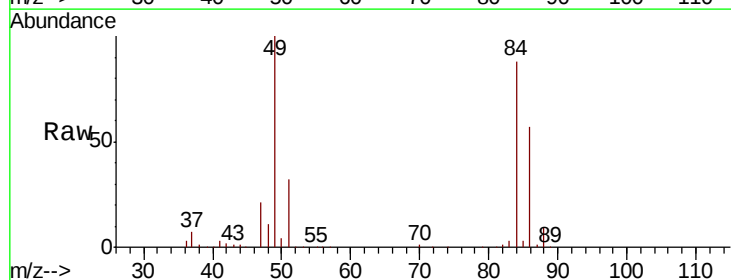
Tgt Ion: 84 Resp: 219185

Ion Ratio Lower Upper

84 100

49 113.1 86.7 160.9

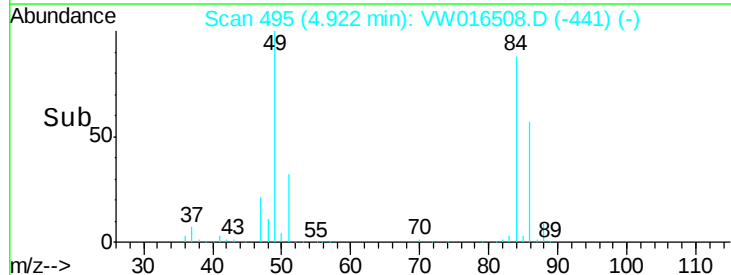
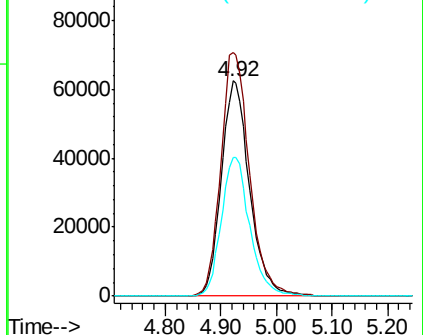
86 64.5 44.9 83.5

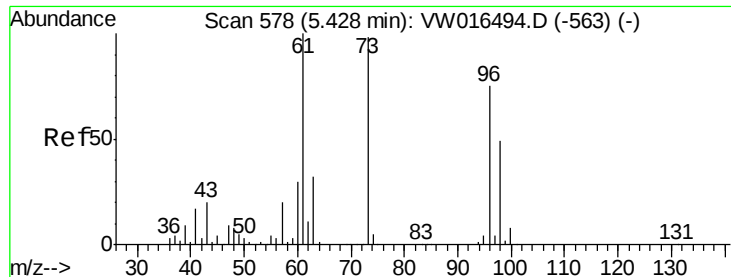


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

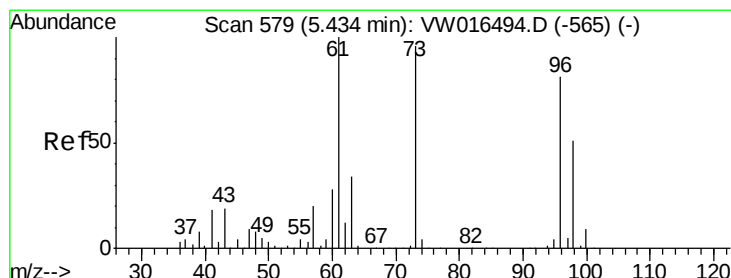
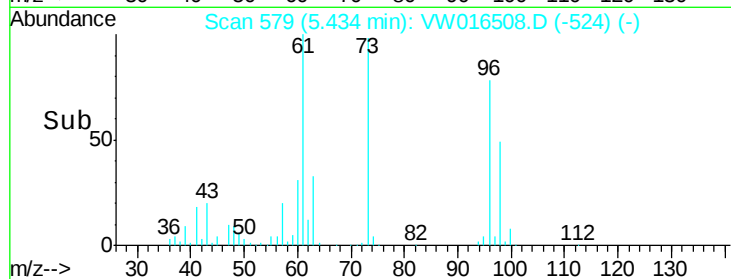
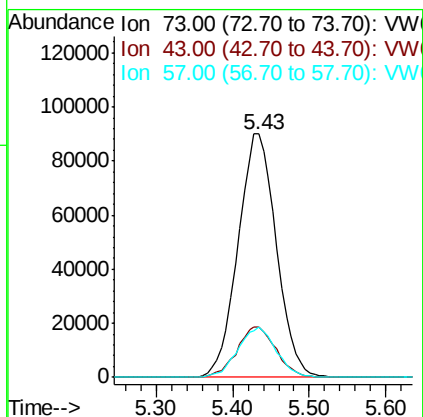
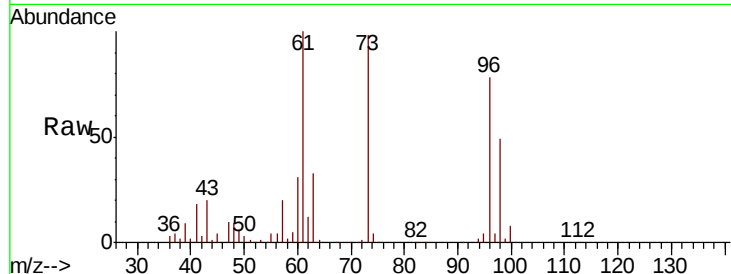




#17
Methvl tert-butvl Ether
Concen: 25.673 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW016508.D
Acq: 09 Sep 2020 19:42

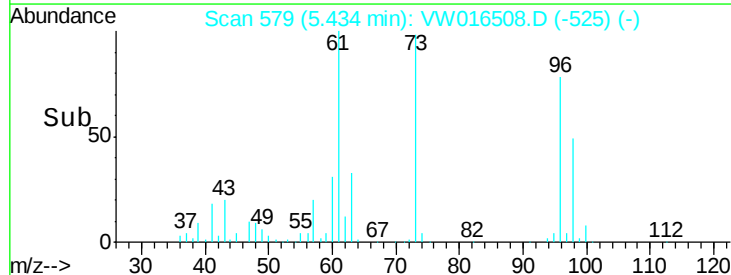
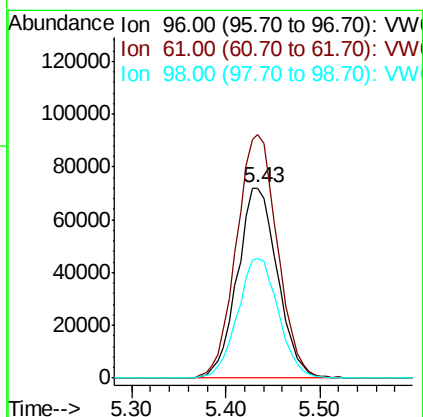
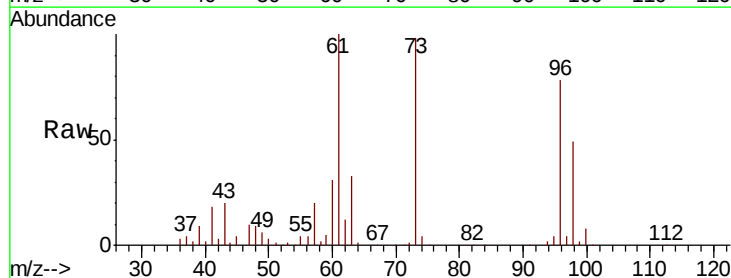
Instrument :
MSVOA_W
ClientSampleId :
VSTD02516

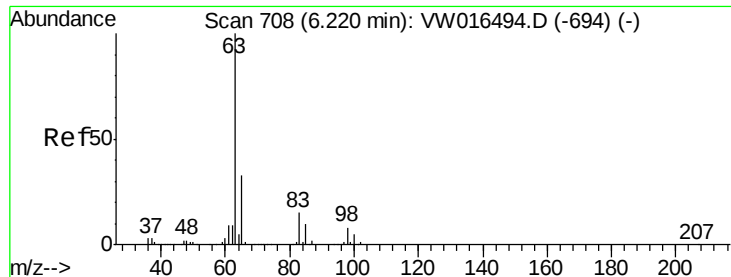
Tot Ion: 73 Resp: 313081
Ion Ratio Lower Upper
73 100
43 20.8 17.9 26.9
57 20.6 17.4 26.0



#18
trans-1,2-Dichloroethene
Concen: 24.839 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.00 min
Lab File: VW016508.D
Acq: 09 Sep 2020 19:42

Tgt Ion: 96 Resp: 214482
Ion Ratio Lower Upper
96 100
61 128.2 96.4 179.0
98 62.8 45.1 83.7





#19

1,1-Dichloroethane

Concen: 24.420 ug/L

RT: 6.22 min Scan# 708

Delta R.T. -0.00 min

Lab File: VW016508.D

Acq: 09 Sep 2020 19:42

Instrument :

MSVOA_W

ClientSampleId :

VSTD02516

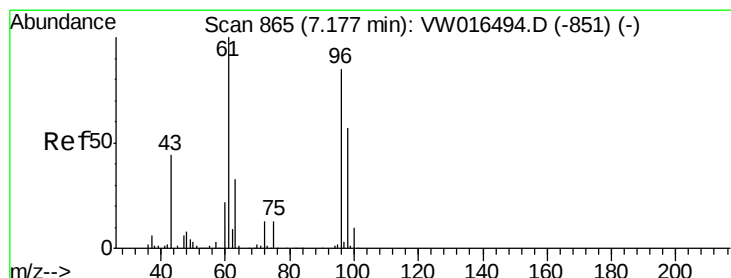
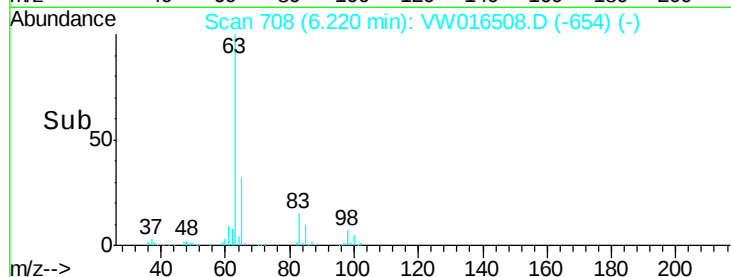
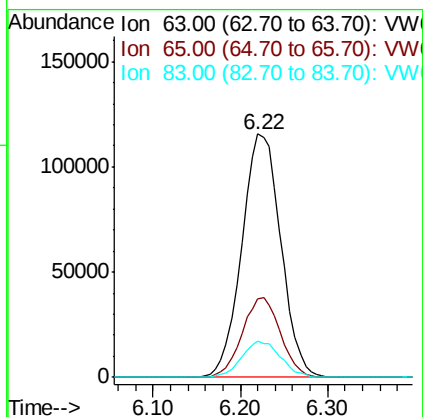
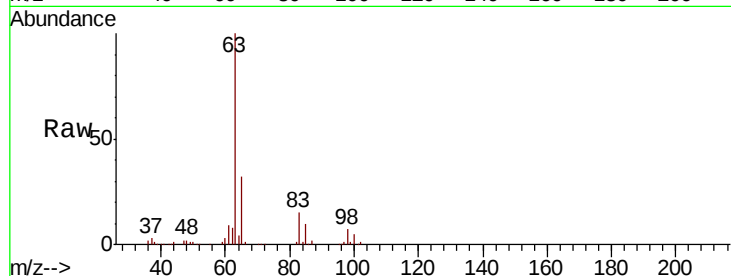
Tot Ion: 63 Resp: 358875

Ion Ratio Lower Upper

63 100

65 32.5 23.3 43.3

83 14.7 10.3 19.1



#21

2-Butanone

Concen: 45.464 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW016508.D

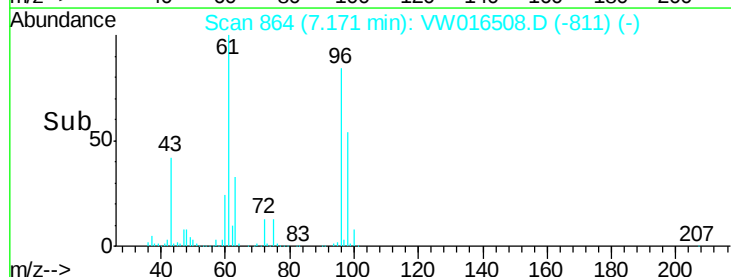
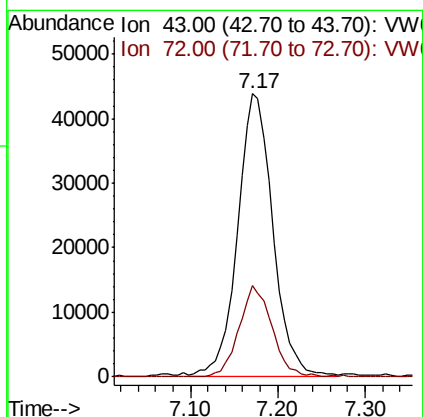
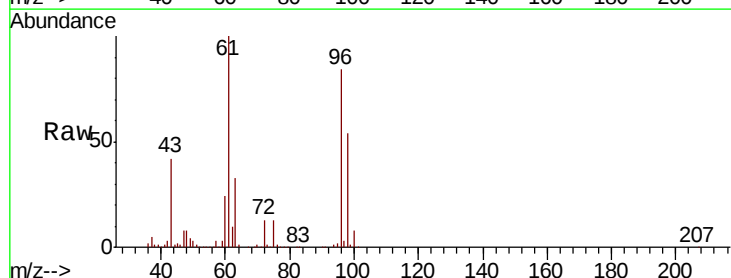
Acq: 09 Sep 2020 19:42

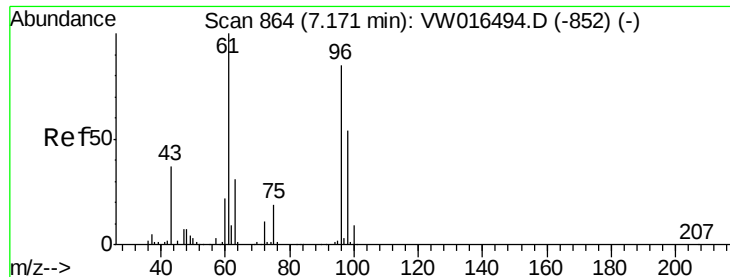
Tgt Ion: 43 Resp: 122420

Ion Ratio Lower Upper

43 100

72 29.9 13.5 40.4



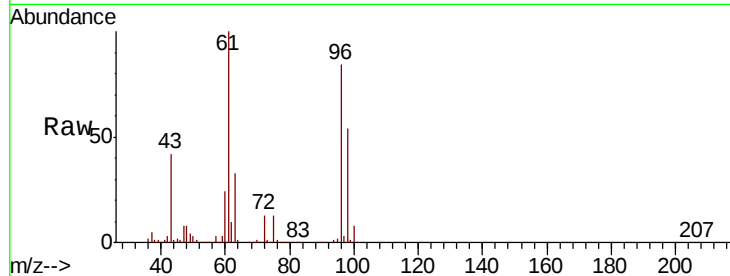


#22

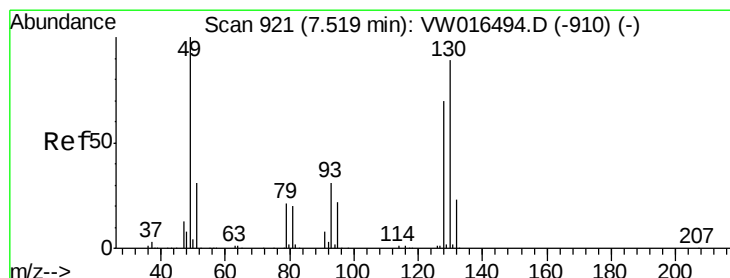
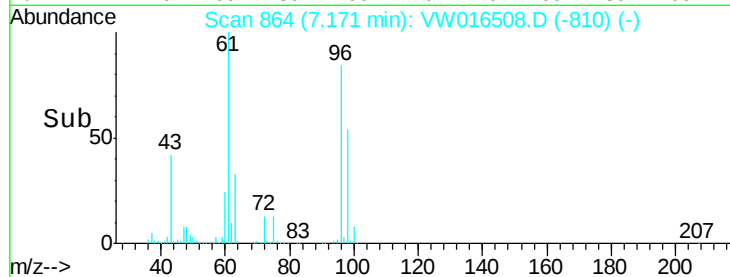
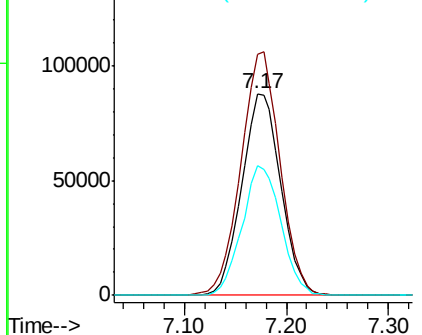
cis-1,2-Dichloroethene
Concen: 25.951 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW016508.D
Acq: 09 Sep 2020 19:42

Instrument :
MSVOA_W
ClientSampled :
VSTD02516

Tot Ion	Ratio	Lower	Upper
96	100		
61	119.2	86.1	159.9
98	64.1	44.1	81.9



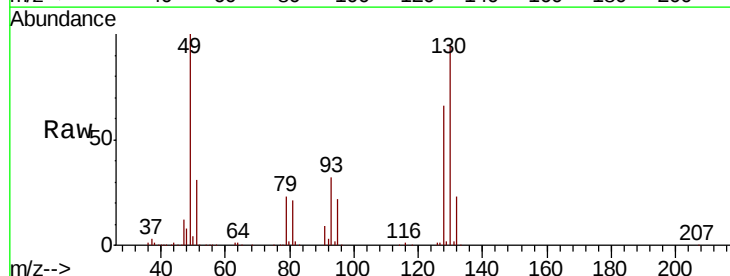
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



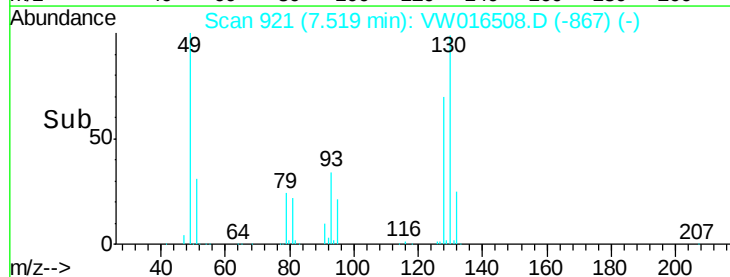
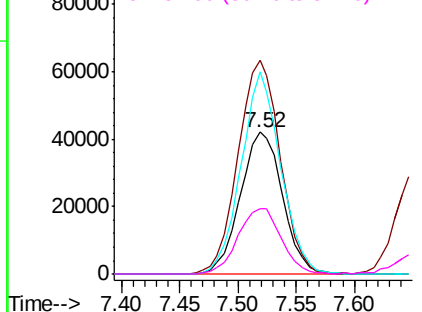
#23

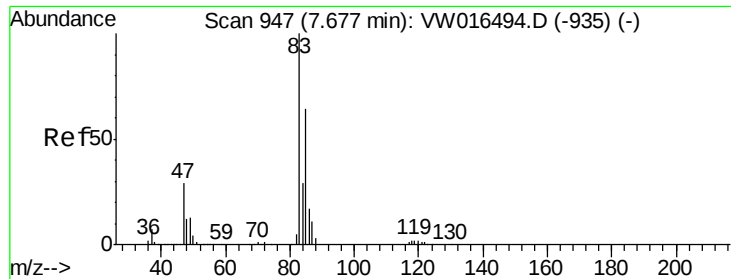
Bromochloromethane
Concen: 25.470 ug/L
RT: 7.52 min Scan# 921
Delta R.T. -0.00 min
Lab File: VW016508.D
Acq: 09 Sep 2020 19:42

Tgt Ion	Ratio	Lower	Upper
128	100		
49	150.6	111.6	207.4
130	142.4	90.9	168.7
51	46.4	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

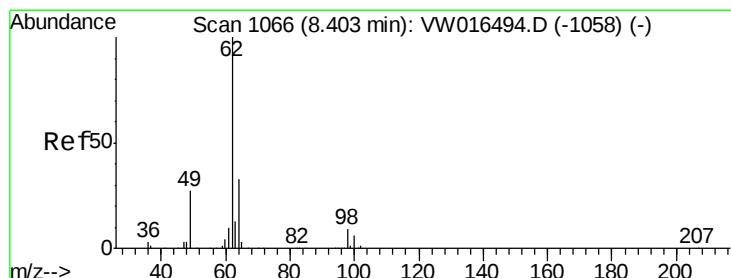
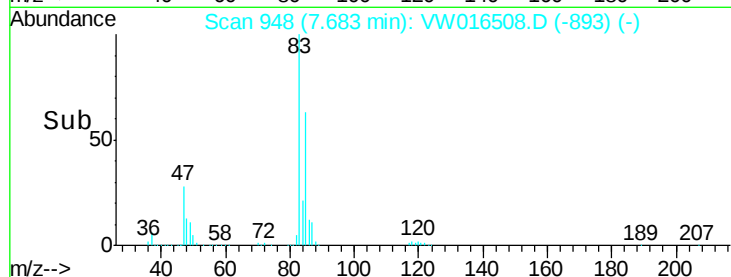
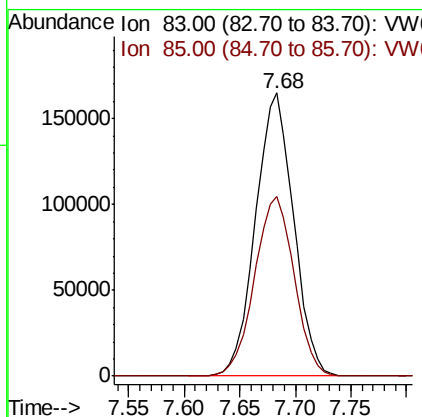
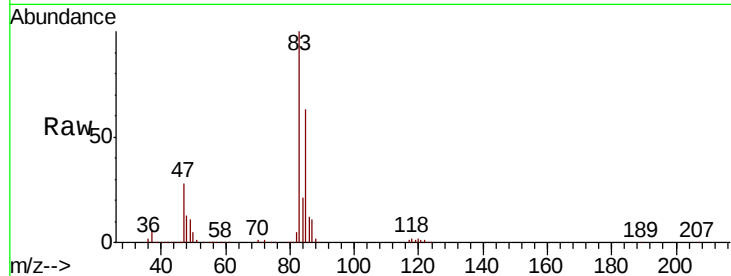




#25
Chloroform
Concen: 25.834 ug/L
RT: 7.68 min Scan# 948
Delta R.T. 0.01 min
Lab File: VW016508.D
Acq: 09 Sep 2020 19:42

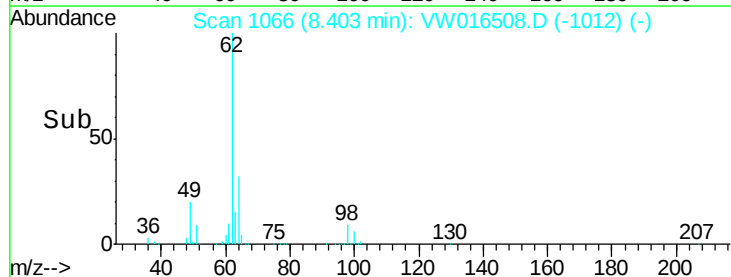
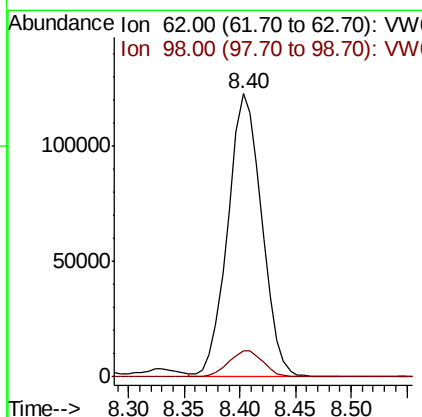
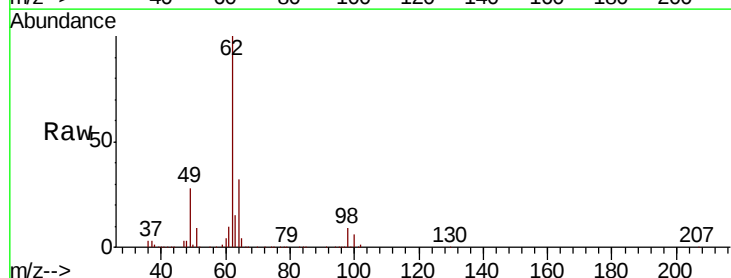
Instrument :
MSVOA_W
ClientSampleId :
VSTD02516

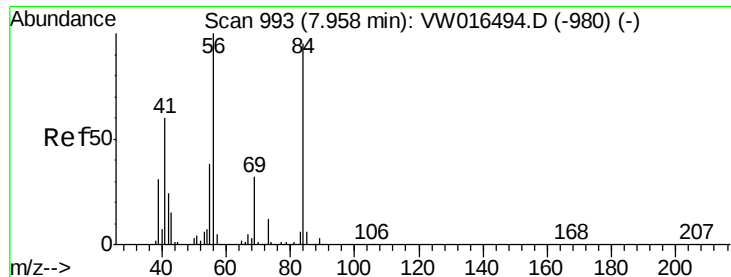
Tot Ion: 83 Resp: 392956
Ion Ratio Lower Upper
83 100
85 66.1 45.6 84.8



#27
1,2-Dichloroethane
Concen: 25.637 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW016508.D
Acq: 09 Sep 2020 19:42

Tgt Ion: 62 Resp: 259670
Ion Ratio Lower Upper
62 100
98 9.2 7.3 10.9

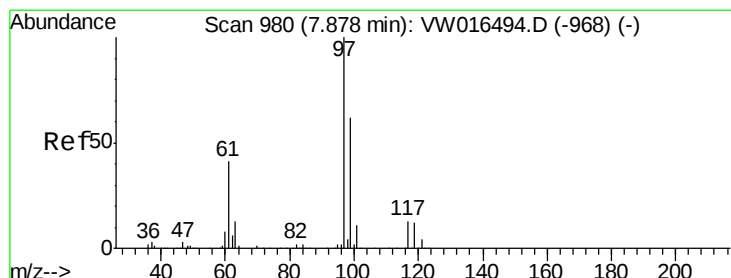
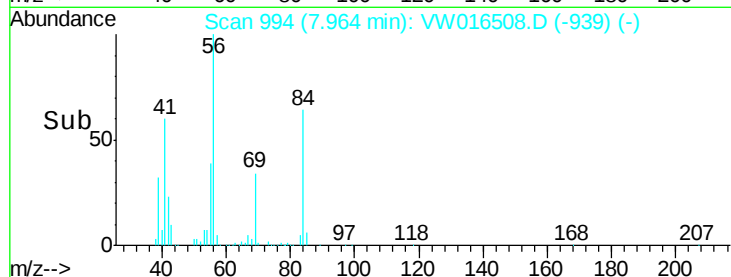
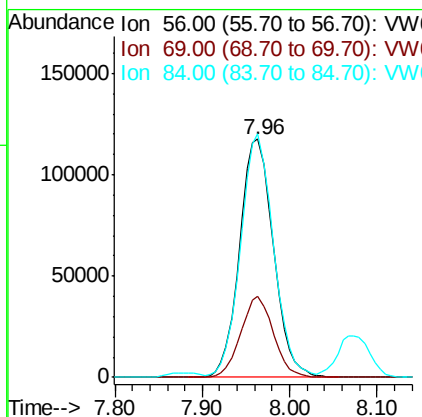
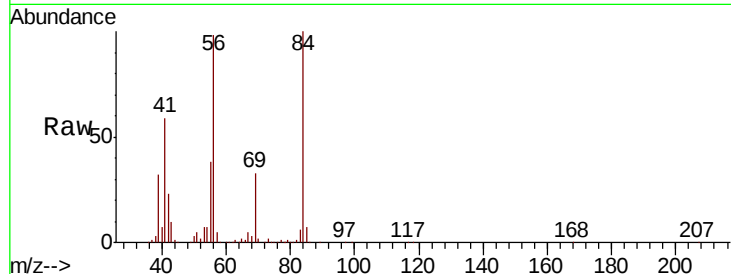




#30
Cvclohexane
Concen: 22.410 ug/L
RT: 7.96 min Scan# 994
Delta R.T. 0.01 min
Lab File: VW016508.D
Acq: 09 Sep 2020 19:42

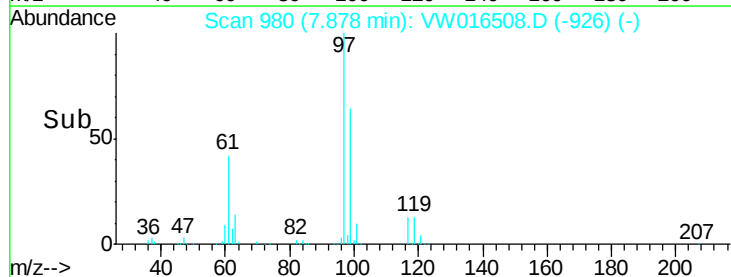
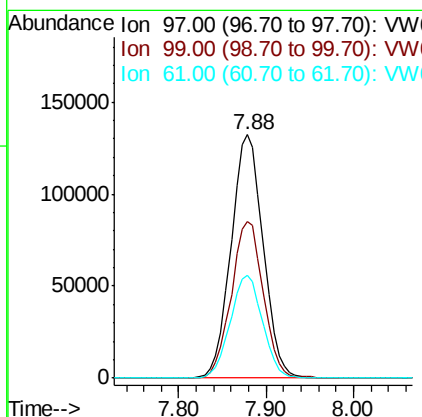
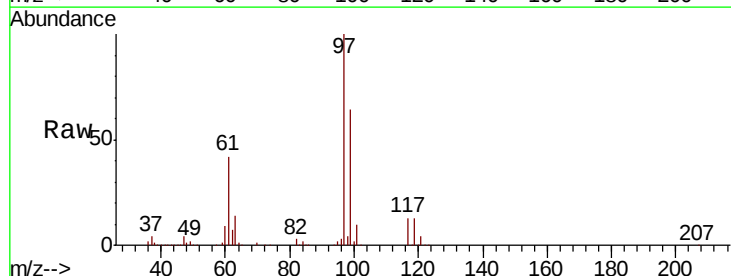
Instrument :
MSVOA_W
ClientSampleId :
VSTD02516

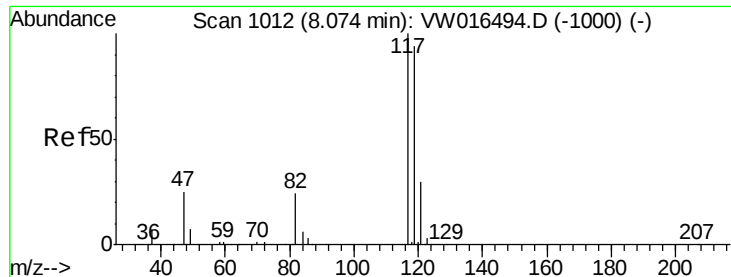
Tot Ion: 56 Resp: 317290
Ion Ratio Lower Upper
56 100
69 32.7 25.3 37.9
84 99.4 71.6 107.4



#31
1,1,1-Trichloroethane
Concen: 26.269 ug/L
RT: 7.88 min Scan# 980
Delta R.T. 0.00 min
Lab File: VW016508.D
Acq: 09 Sep 2020 19:42

Tgt Ion: 97 Resp: 337142
Ion Ratio Lower Upper
97 100
99 64.5 52.2 78.2
61 42.7 36.3 54.5





#32

Carbon tetrachloride

Concen: 25.842 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VW016508.D

Acq: 09 Sep 2020 19:42

Instrument :

MSVOA_W

ClientSampled :

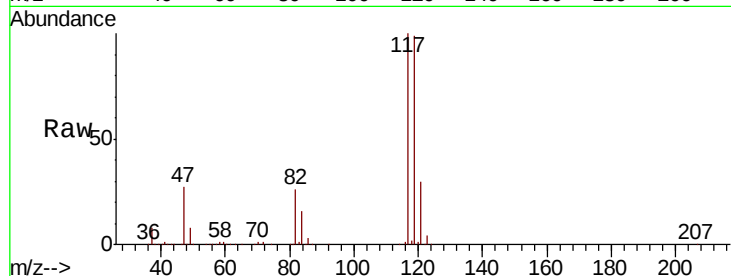
VSTD02516

Tot Ion:117 Resp: 317229

Ion Ratio Lower Upper

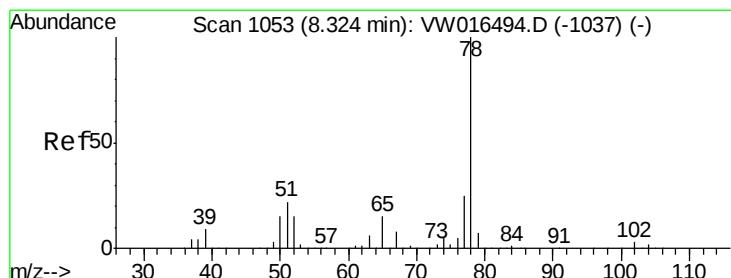
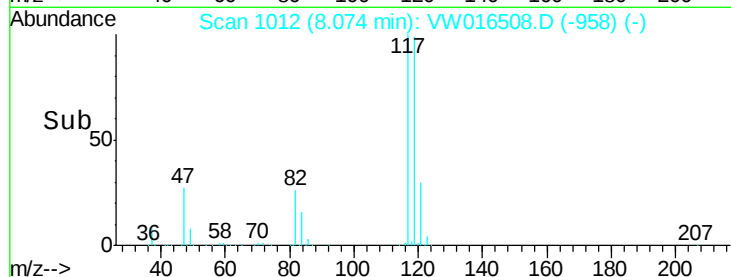
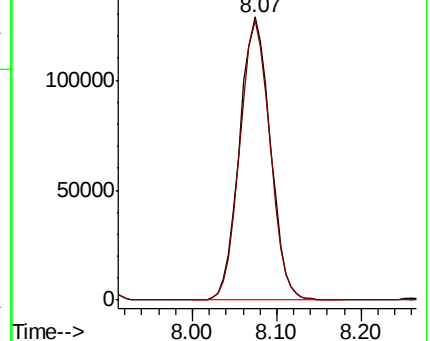
117 100

119 97.0 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: 25.631 ug/L

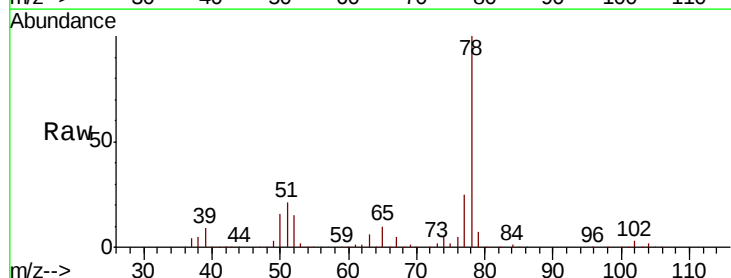
RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

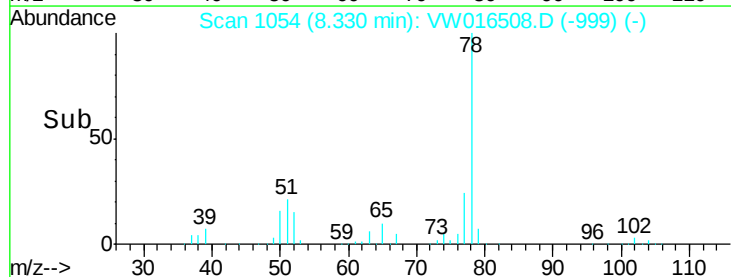
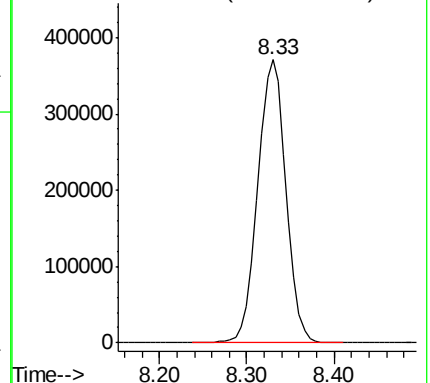
Lab File: VW016508.D

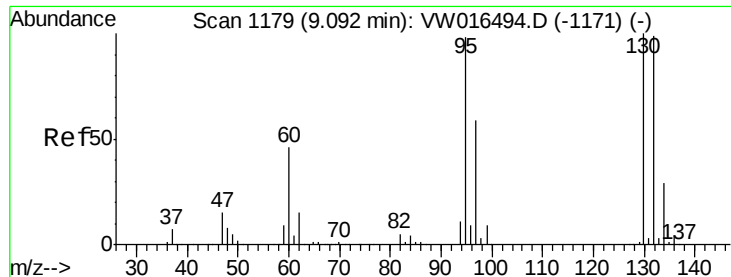
Acq: 09 Sep 2020 19:42

Tgt Ion: 78 Resp: 830598



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 25.387 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW016508.D

Acq: 09 Sep 2020 19:42

Instrument :

MSVOA_W

ClientSampleId :

VSTD02516

Tot Ion: 95 Resp: 227962

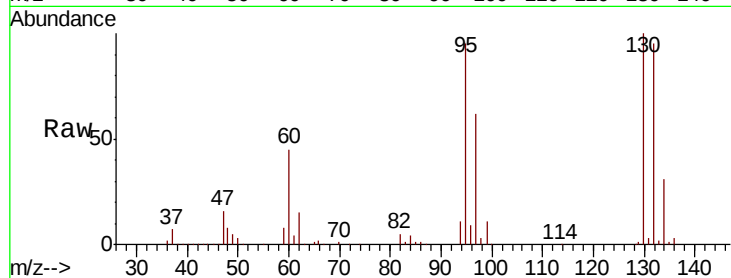
Ion Ratio Lower Upper

95 100

97 64.6 44.9 83.5

132 99.2 69.2 128.4

130 105.4 72.0 133.6

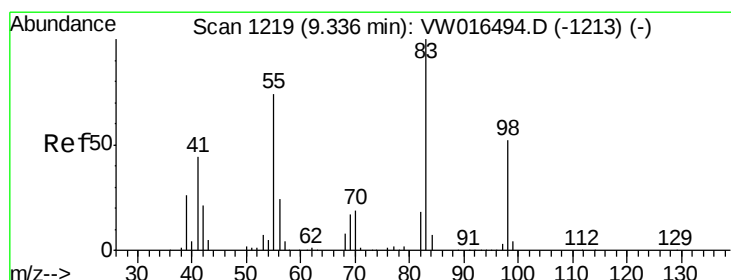
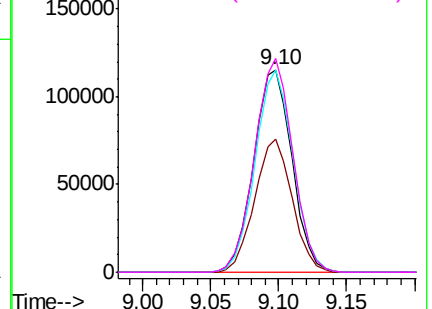
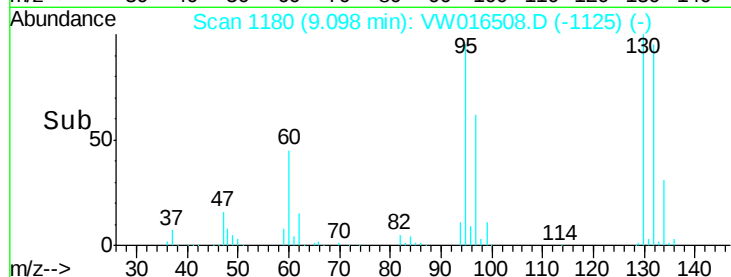


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 24.217 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW016508.D

Acq: 09 Sep 2020 19:42

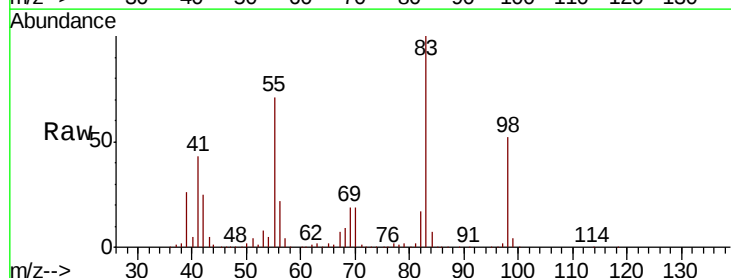
Tgt Ion: 83 Resp: 380470

Ion Ratio Lower Upper

83 100

55 70.7 60.9 91.3

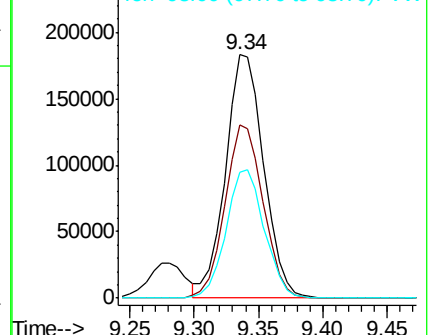
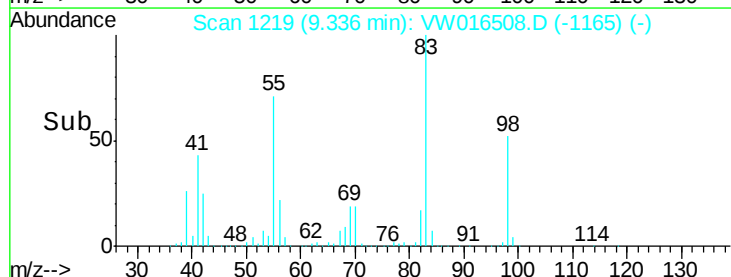
98 52.7 40.0 60.0

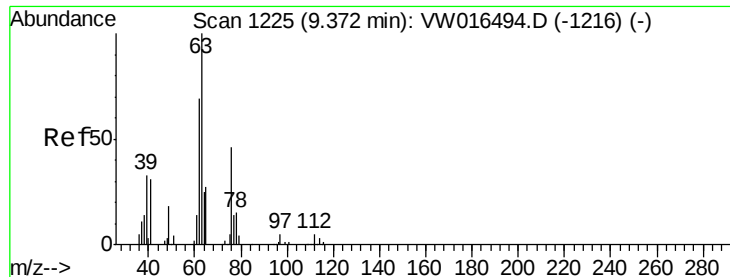


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 24.916 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW016508.D

Acq: 09 Sep 2020 19:42

Instrument :

MSVOA_W

ClientSampleId :

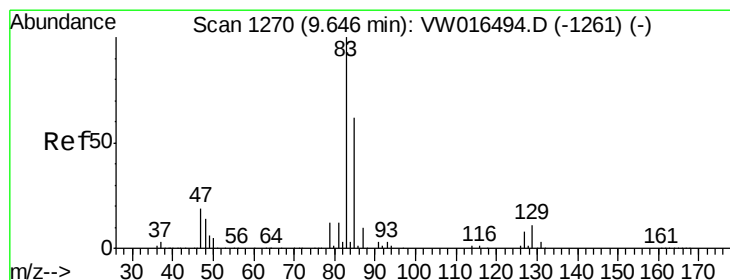
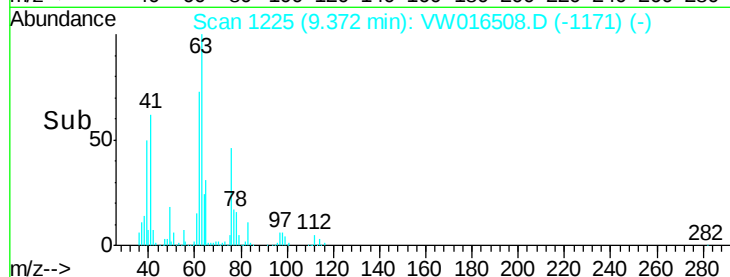
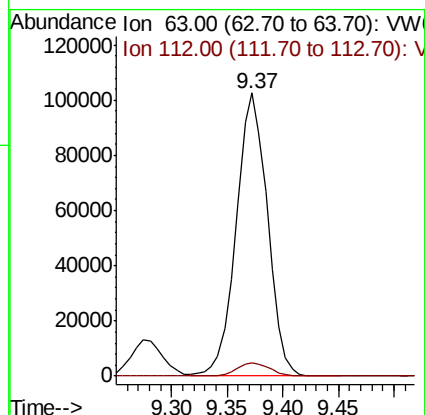
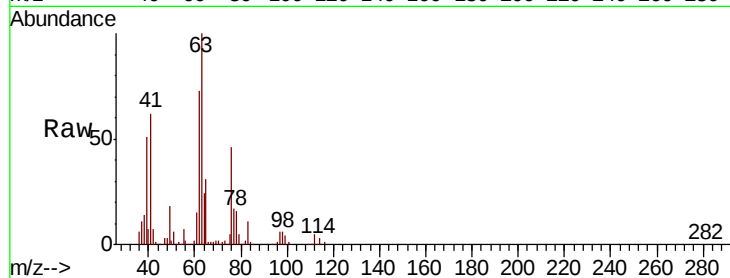
VSTD02516

Tot Ion: 63 Resp: 199637

Ion Ratio Lower Upper

63 100

112 4.9 3.8 5.8



#41

Bromodichloromethane

Concen: 26.566 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW016508.D

Acq: 09 Sep 2020 19:42

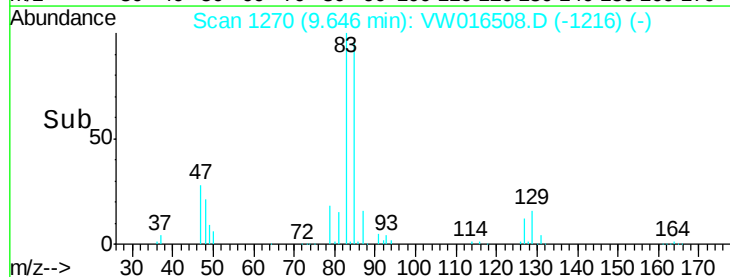
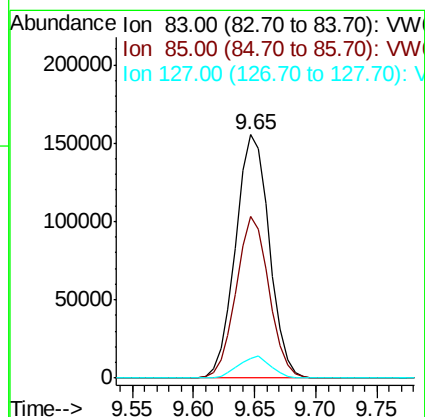
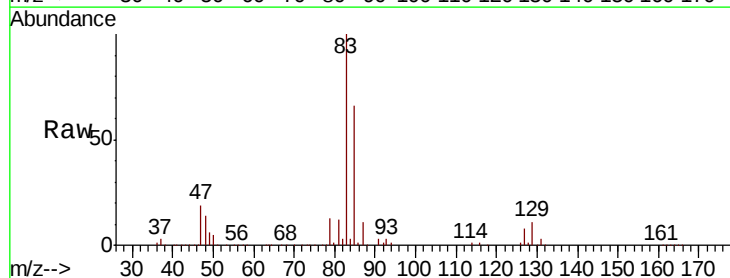
Tgt Ion: 83 Resp: 297590

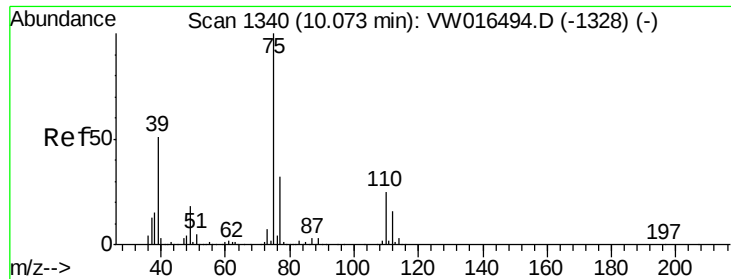
Ion Ratio Lower Upper

83 100

85 66.3 43.5 80.7

127 8.0 6.7 10.1

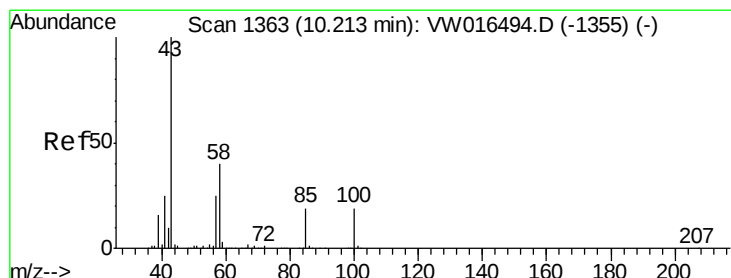
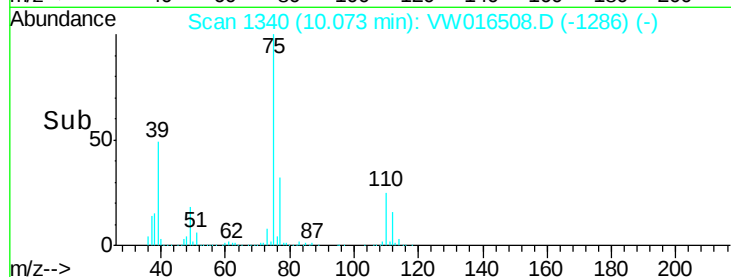
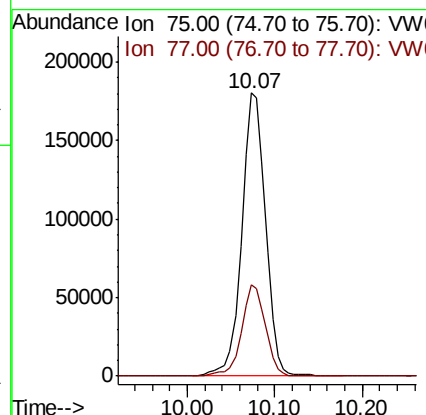
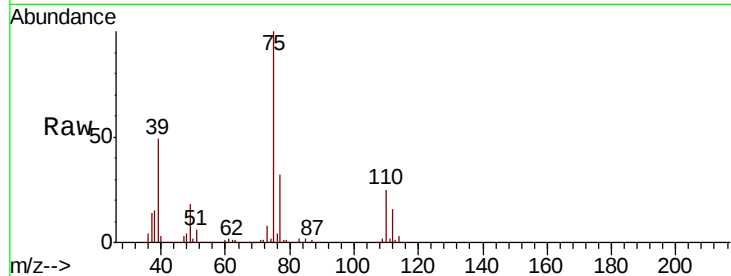




#42
 cis-1,3-Dichloropropene
 Concen: 25.145 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW016508.D
 Acq: 09 Sep 2020 19:42

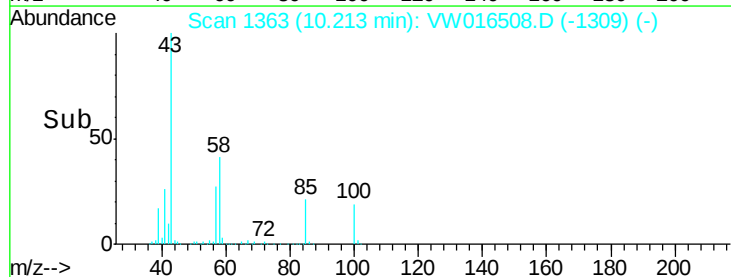
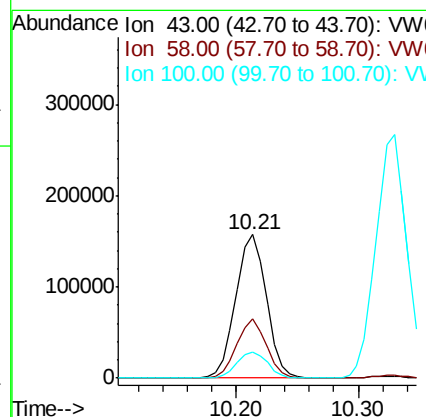
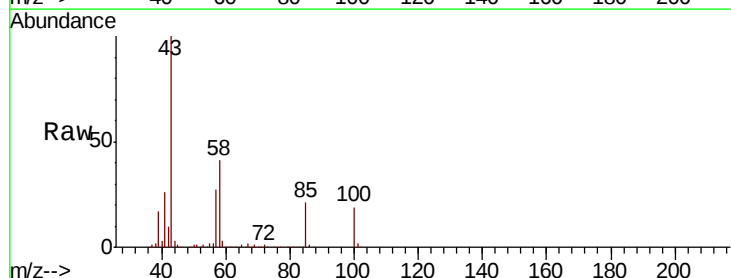
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02516

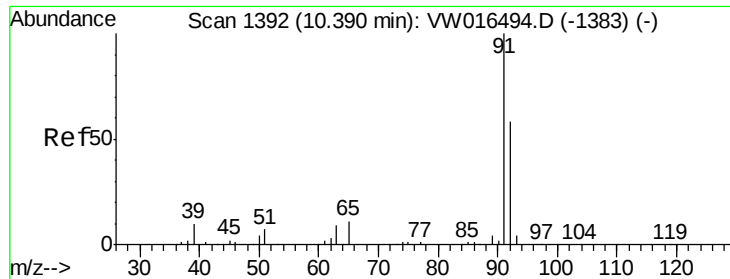
Tot Ion: 75 Resp: 341889
 Ion Ratio Lower Upper
 75 100
 77 32.3 20.9 38.7



#43
 4-Methyl-2-pentanone
 Concen: 48.098 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW016508.D
 Acq: 09 Sep 2020 19:42

Tgt Ion: 43 Resp: 272892
 Ion Ratio Lower Upper
 43 100
 58 39.9 30.6 45.8
 100 18.3 13.0 19.6





#44

Toluene

Concen: 26.341 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW016508.D

Acq: 09 Sep 2020 19:42

Instrument :

MSVOA_W

ClientSampleId :

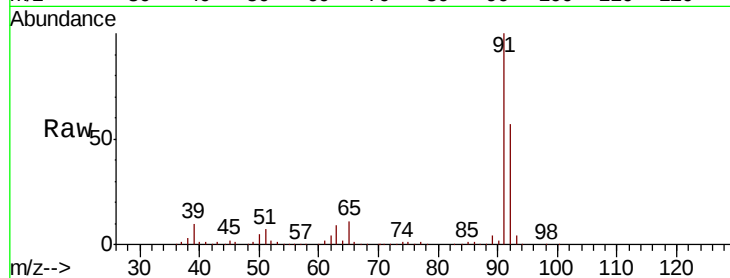
VSTD02516

Tot Ion: 91 Resp: 955182

Ion Ratio Lower Upper

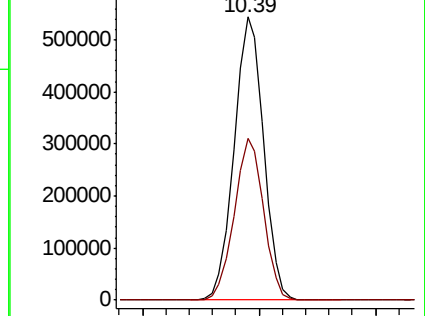
91 100

92 57.2 39.5 73.4

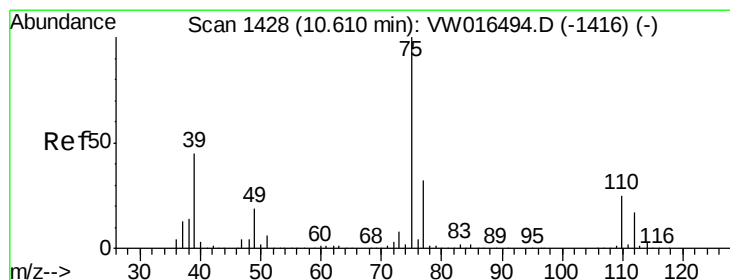
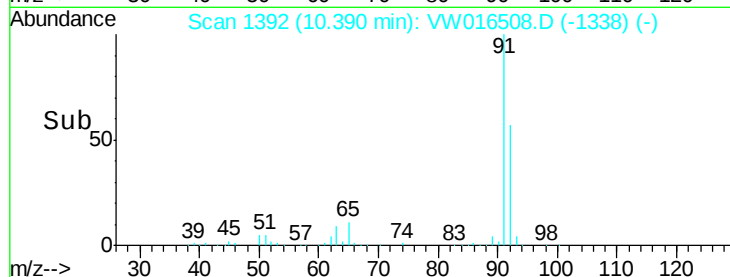


Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW



Time-->



#45

trans-1,3-Dichloropropene

Concen: 25.313 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW016508.D

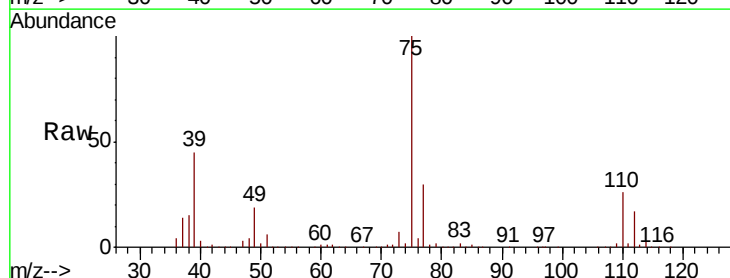
Acq: 09 Sep 2020 19:42

Tgt Ion: 75 Resp: 307649

Ion Ratio Lower Upper

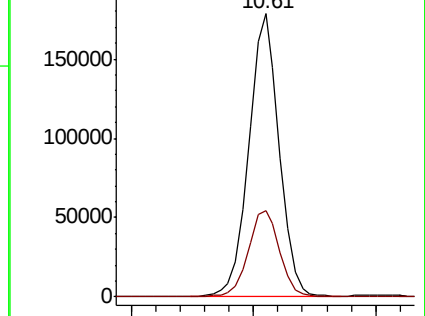
75 100

77 30.4 21.9 40.7

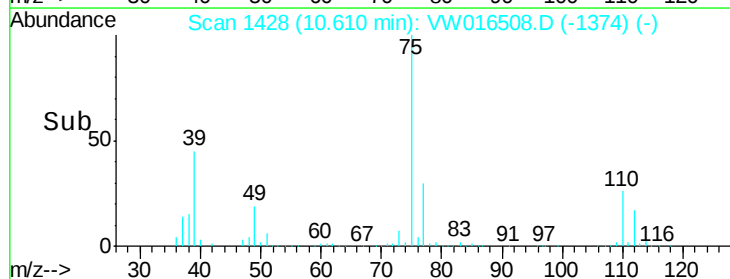


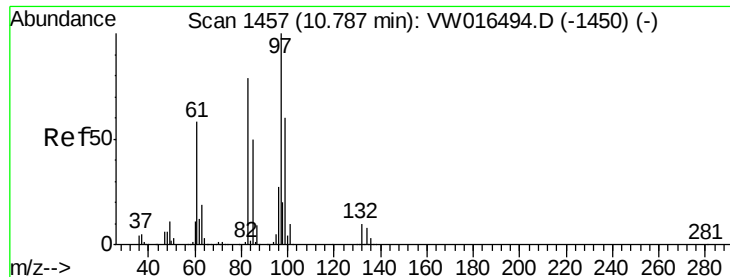
Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



Time-->





#46

1,1,2-Trichloroethane

Concen: 26.440 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW016508.D

Acq: 09 Sep 2020 19:42

Instrument :

MSVOA_W

ClientSampleId :

VSTD02516

Tot Ion: 97 Resp: 167904

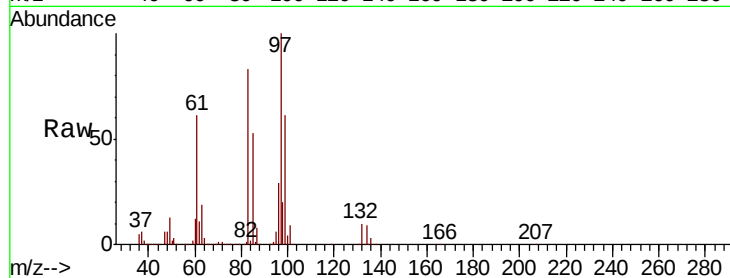
Ion Ratio Lower Upper

97 100

83 83.2 59.7 110.9

85 53.1 37.6 69.8

99 60.9 42.3 78.5

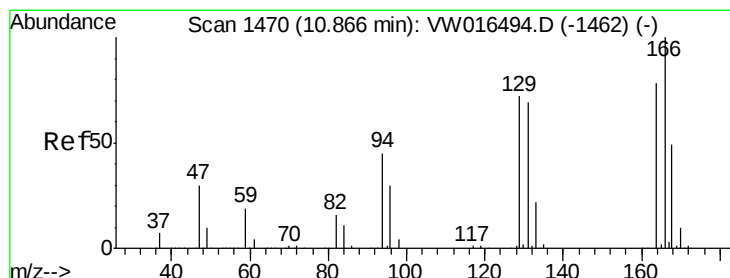
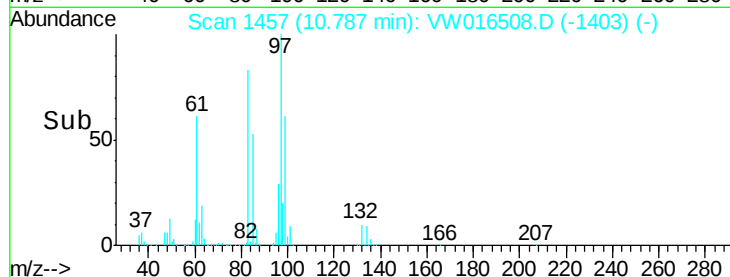
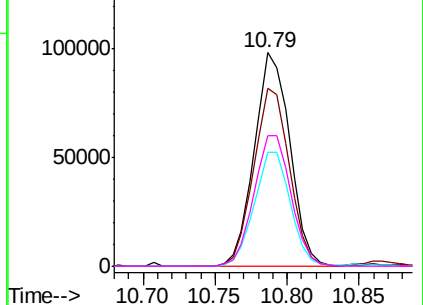


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 25.064 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW016508.D

Acq: 09 Sep 2020 19:42

Tgt Ion: 164 Resp: 180449

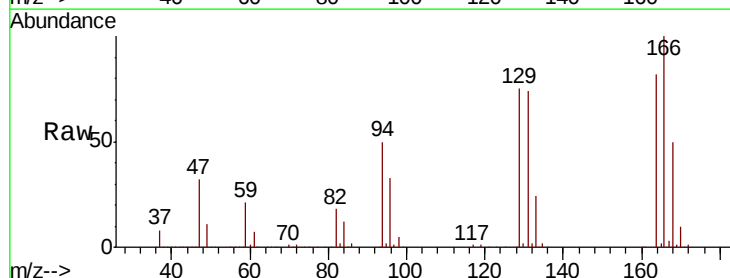
Ion Ratio Lower Upper

164 100

129 91.5 65.7 121.9

131 90.8 61.1 113.5

166 122.1 85.0 157.8

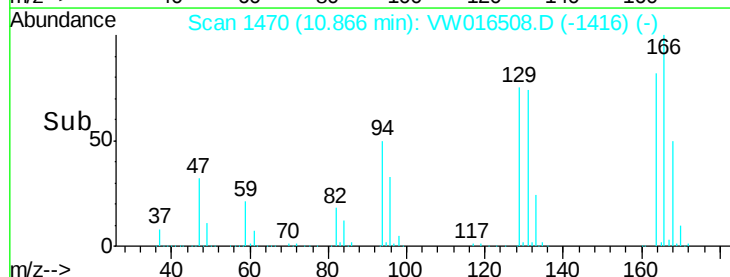
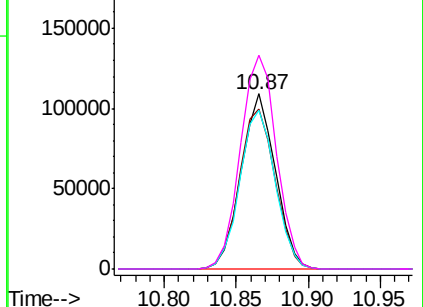


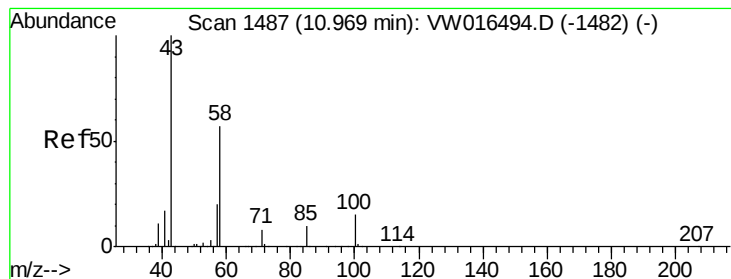
Abundance Ion 164.00 (163.70 to 164.70): V

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: 48.434 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW016508.D

Acq: 09 Sep 2020 19:42

Instrument :

MSVOA_W

ClientSampleId :

VSTD02516

Tot Ion: 43 Resp: 191374

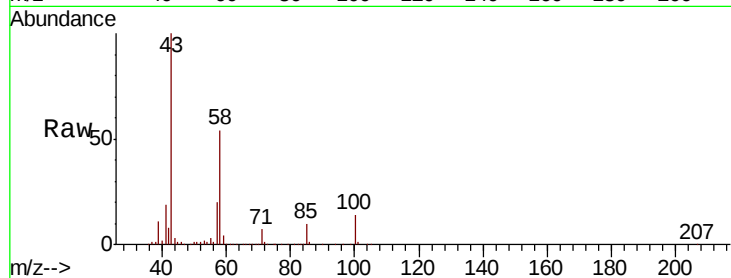
Ion Ratio Lower Upper

43 100

58 55.8 42.1 63.1

57 19.4 14.9 22.3

100 14.2 10.3 15.5

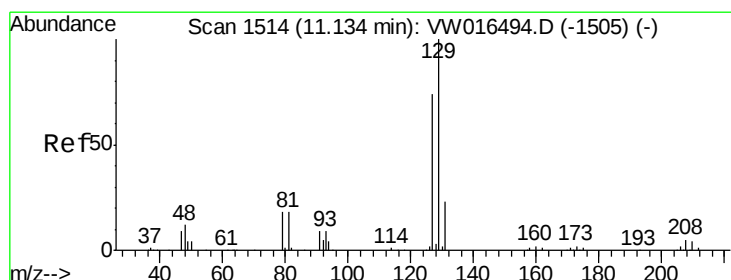
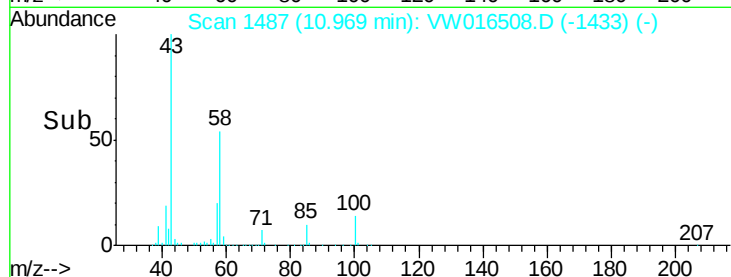
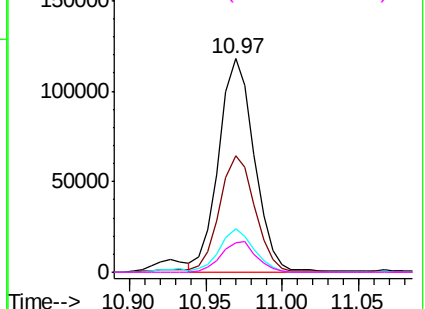


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 26.721 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.01 min

Lab File: VW016508.D

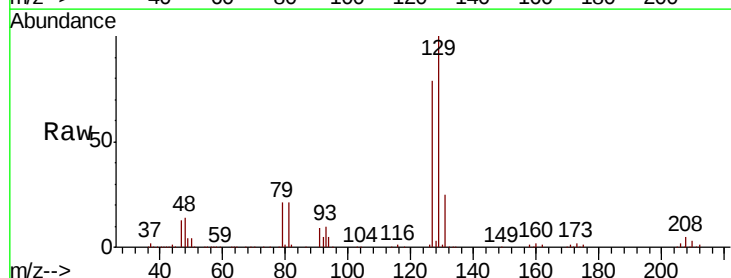
Acq: 09 Sep 2020 19:42

Tgt Ion: 129 Resp: 214566

Ion Ratio Lower Upper

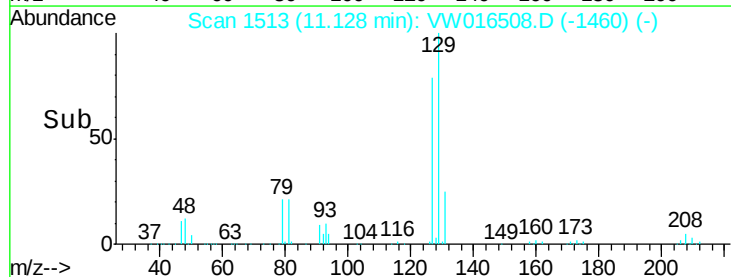
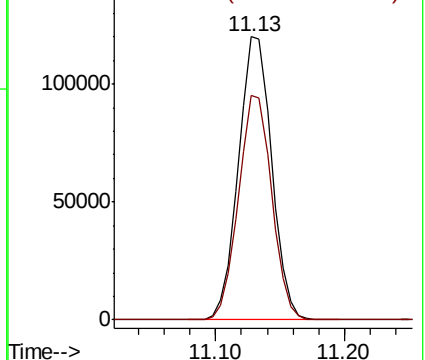
129 100

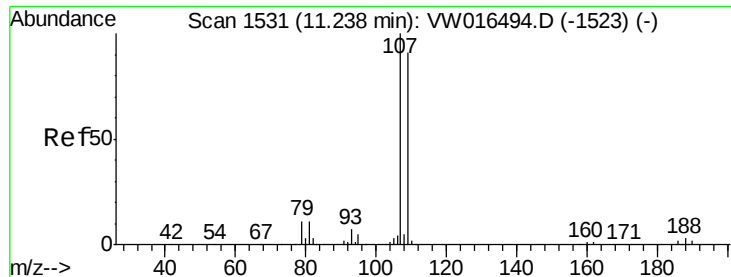
127 79.4 55.4 103.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

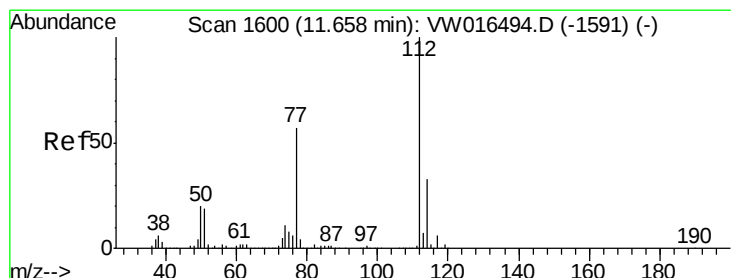
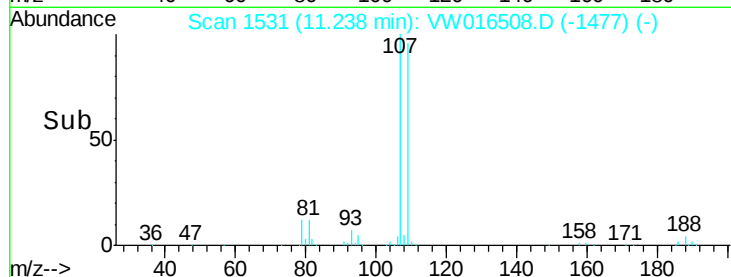
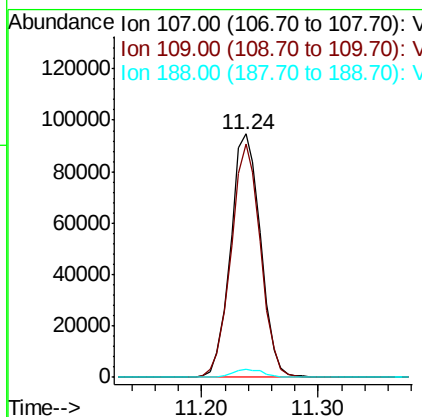
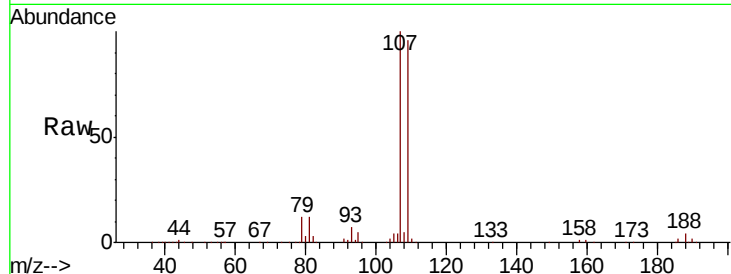




#51
 1,2-Dibromoethane
 Concen: 26.760 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW016508.D
 Acq: 09 Sep 2020 19:42

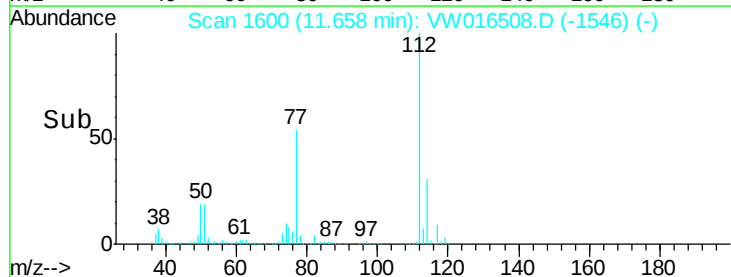
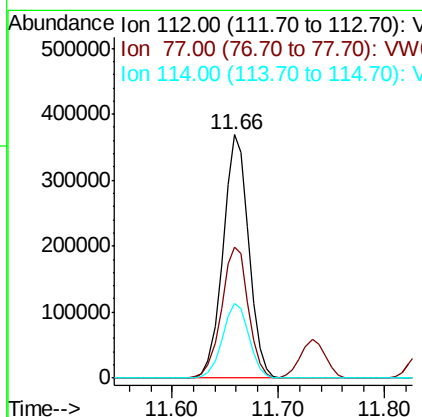
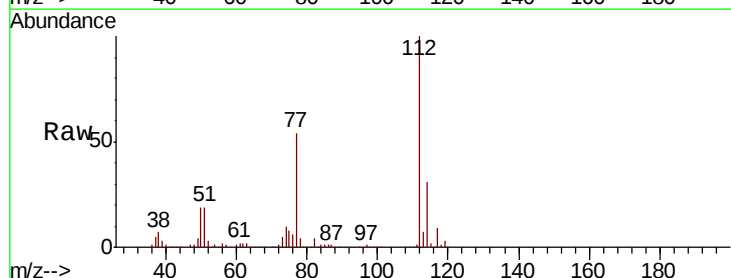
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02516

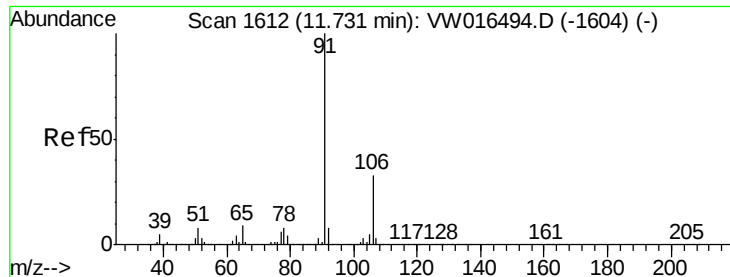
Tot Ion	Ratio	Lower	Upper
107	100		
109	96.0	64.8	120.4
188	3.6	3.4	5.0



#52
 Chlorobenzene
 Concen: 26.972 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW016508.D
 Acq: 09 Sep 2020 19:42

Tgt Ion	Ratio	Lower	Upper
112	100		
77	53.8	46.2	69.2
114	30.8	21.1	39.3





#53

Ethylbenzene

Concen: 25.993 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW016508.D

Acq: 09 Sep 2020 19:42

Instrument :

MSVOA_W

ClientSampleId :

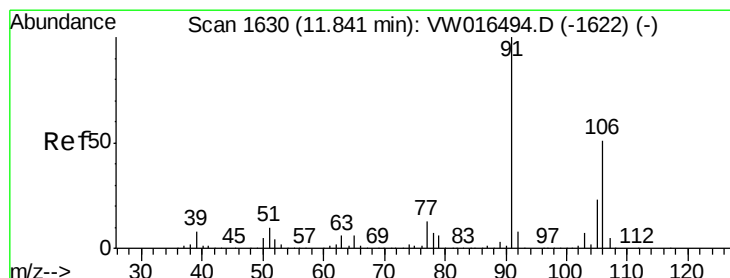
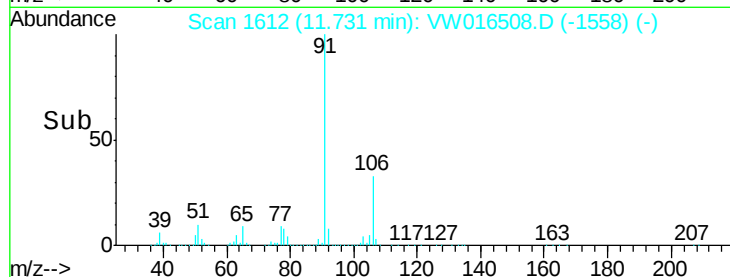
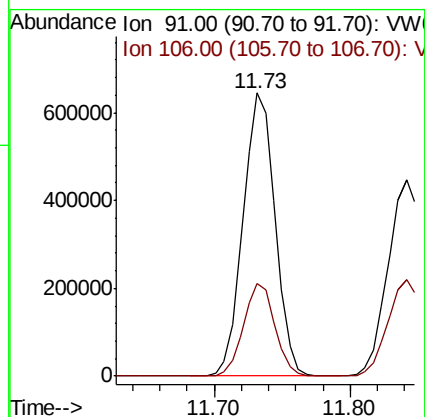
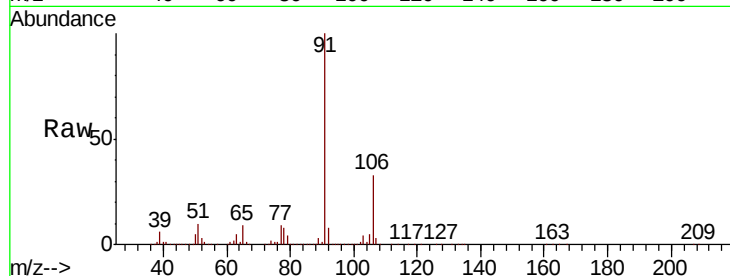
VSTD02516

Tot Ion: 91 Resp: 1061696

Ion Ratio Lower Upper

91 100

106 32.6 21.6 40.2



#54

m,p-Xylene

Concen: 26.491 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW016508.D

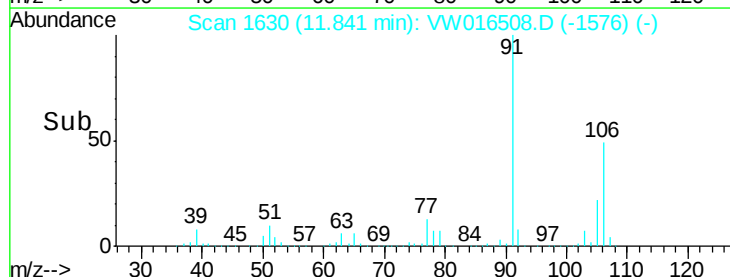
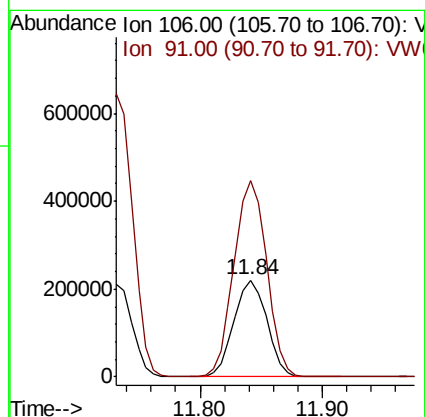
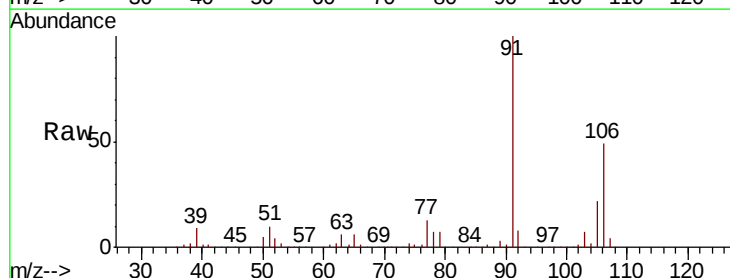
Acq: 09 Sep 2020 19:42

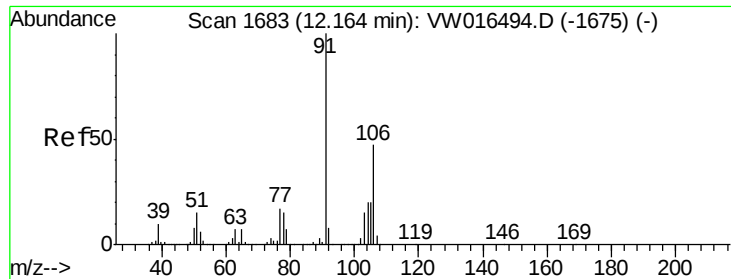
Tgt Ion: 106 Resp: 413536

Ion Ratio Lower Upper

106 100

91 202.2 142.3 264.3





#55

o-xylene

Concen: 26.760 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.01 min

Lab File: VW016508.D

Acq: 09 Sep 2020 19:42

Instrument :

MSVOA_W

ClientSampled :

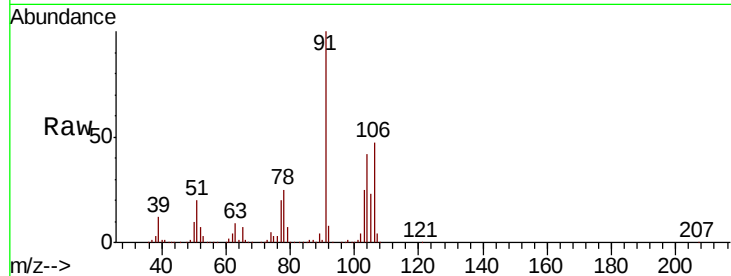
VSTD02516

Tot Ion:106 Resp: 397929

Ion Ratio Lower Upper

106 100

91 214.3 144.3 267.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

600000

500000

400000

300000

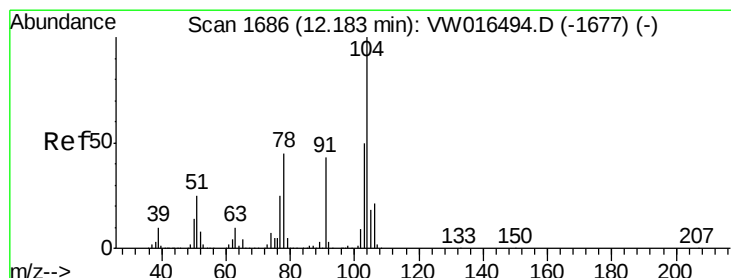
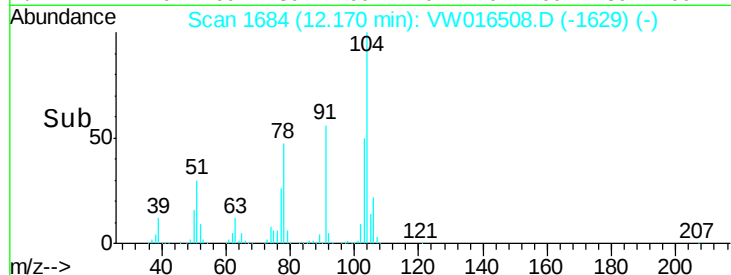
200000

100000

0

12.10 12.20

Time-->



#56

Styrene

Concen: 26.928 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW016508.D

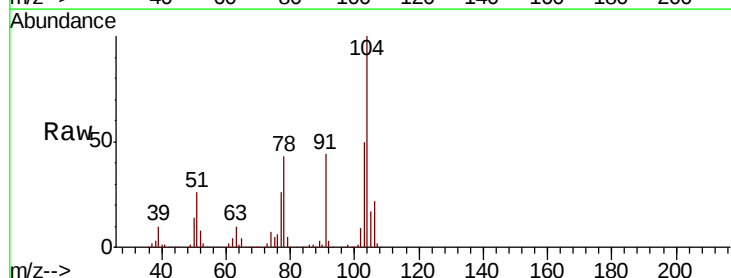
Acq: 09 Sep 2020 19:42

Tgt Ion:104 Resp: 688011

Ion Ratio Lower Upper

104 100

78 43.2 32.8 61.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

500000

400000

300000

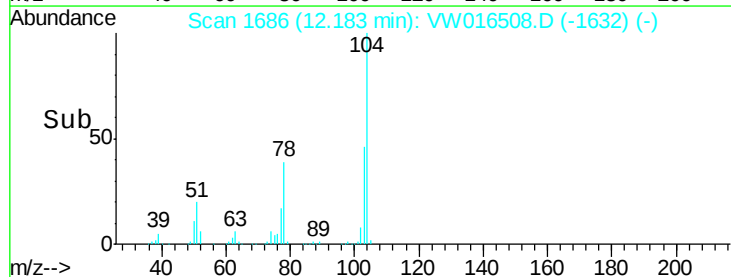
200000

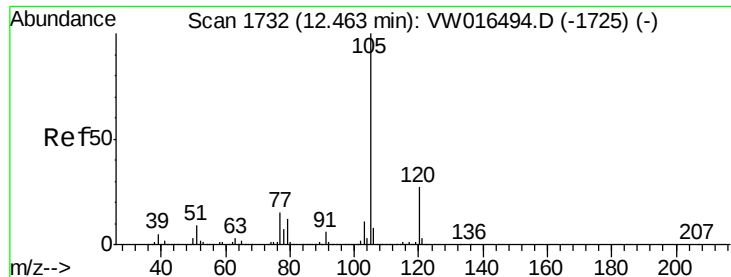
100000

0

12.10 12.20

Time-->





#57

Isopropylbenzene

Concen: 26.571 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW016508.D

Acq: 09 Sep 2020 19:42

Instrument :

MSVOA_W

ClientSampleId :

VSTD02516

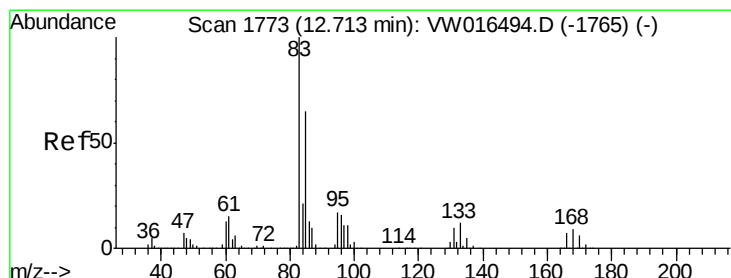
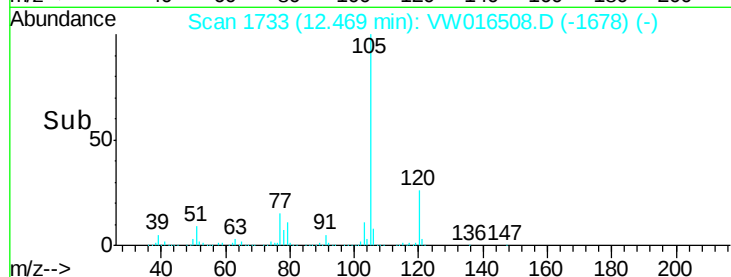
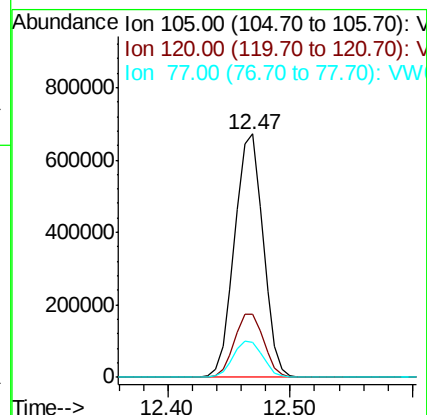
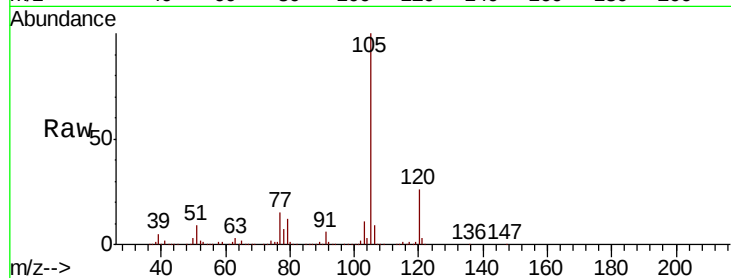
Tot Ion:105 Resp: 1082362

Ion Ratio Lower Upper

105 100

120 27.1 21.9 32.9

77 15.5 13.0 19.6



#58

1,1,2,2-Tetrachloroethane

Concen: 27.276 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW016508.D

Acq: 09 Sep 2020 19:42

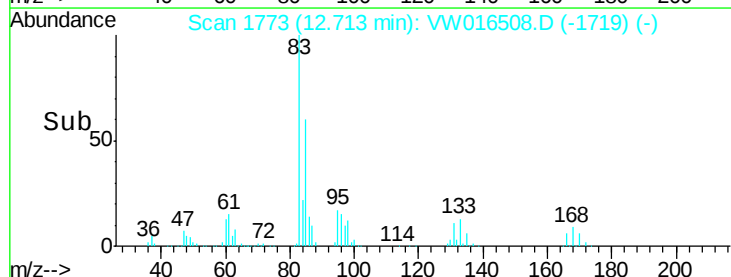
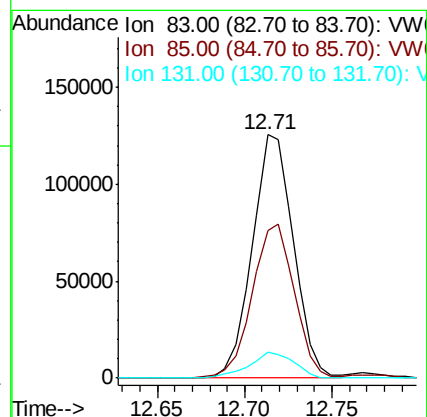
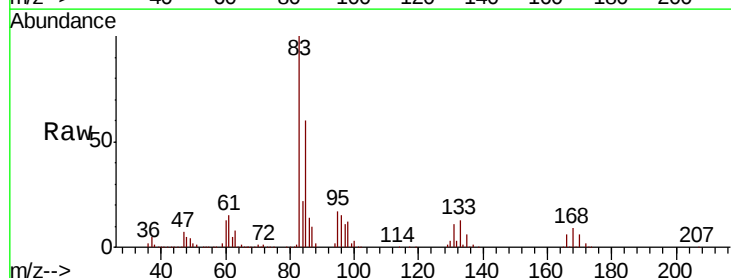
Tgt Ion: 83 Resp: 206481

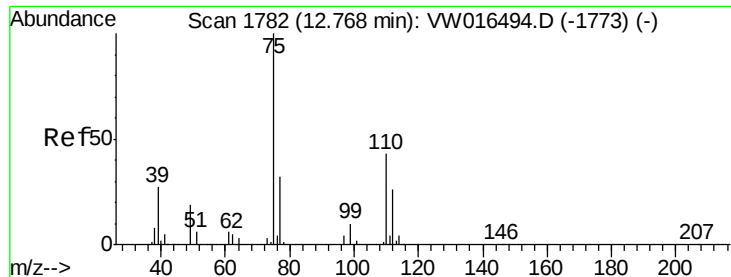
Ion Ratio Lower Upper

83 100

85 60.4 45.3 84.1

131 10.5 8.7 13.1





#59

1,2,3-Trichloropropane

Concen: 26.797 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW016508.D

Acq: 09 Sep 2020 19:42

Instrument :

MSVOA_W

ClientSampleId :

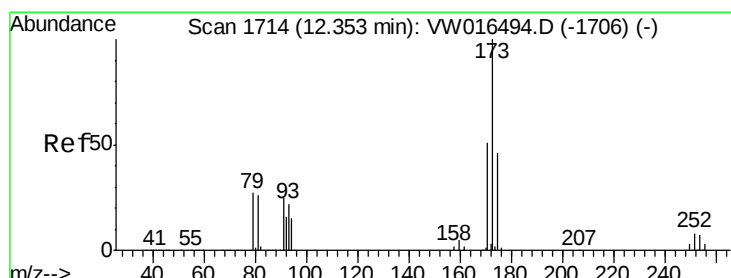
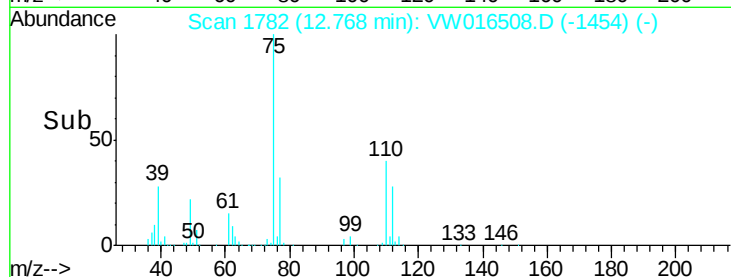
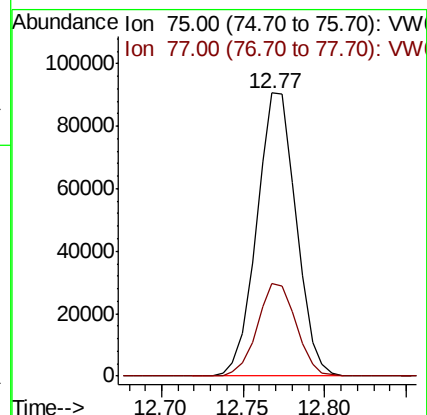
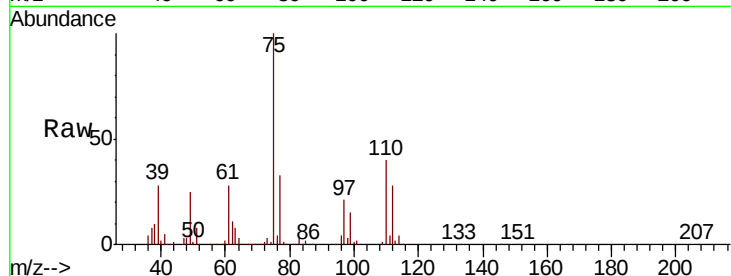
VSTD02516

Tot Ion: 75 Resp: 151618

Ion Ratio Lower Upper

75 100

77 32.4 26.0 39.0



#62

Bromoform

Concen: 26.777 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW016508.D

Acq: 09 Sep 2020 19:42

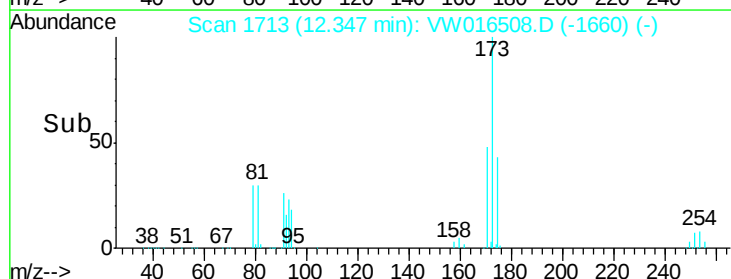
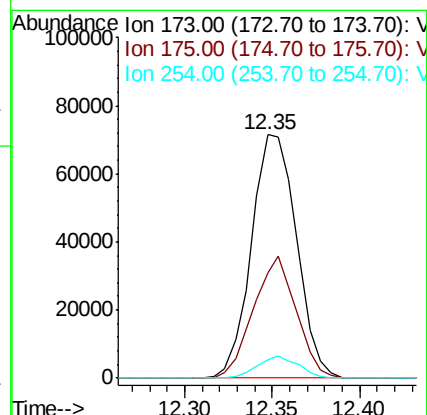
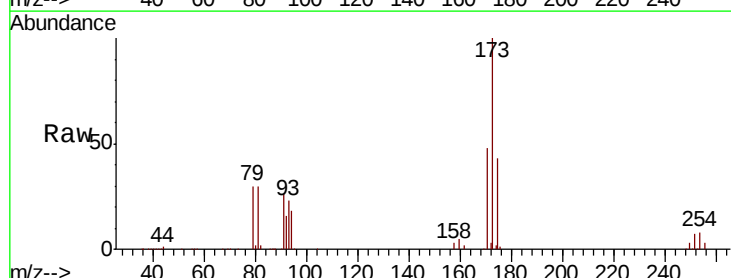
Tgt Ion: 173 Resp: 127985

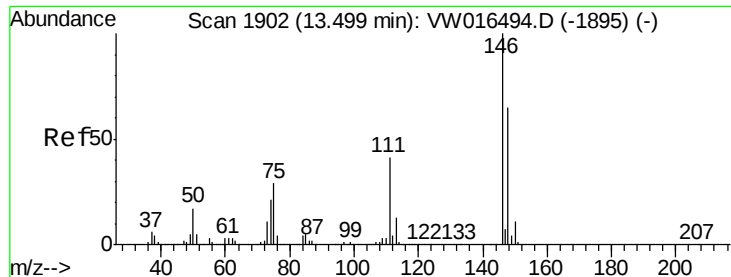
Ion Ratio Lower Upper

173 100

175 47.5 39.2 58.8

254 8.3 5.8 8.6

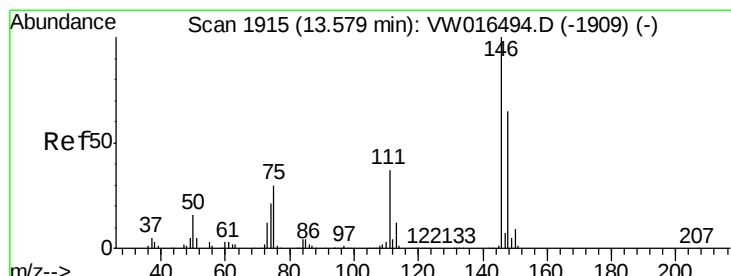
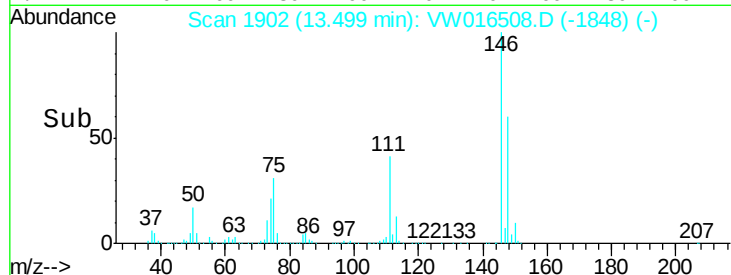
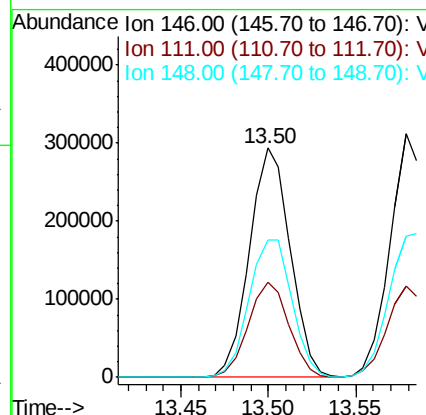
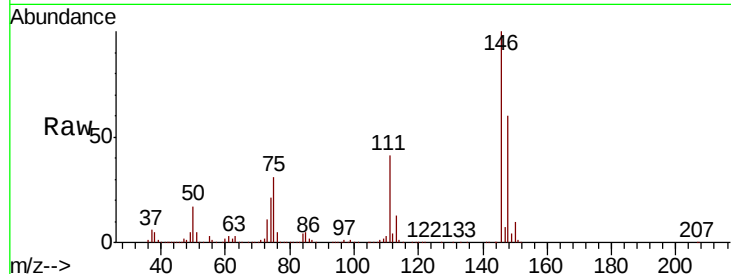




#63
 1,3-Dichlorobenzene
 Concen: 26.560 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW016508.D
 Acq: 09 Sep 2020 19:42

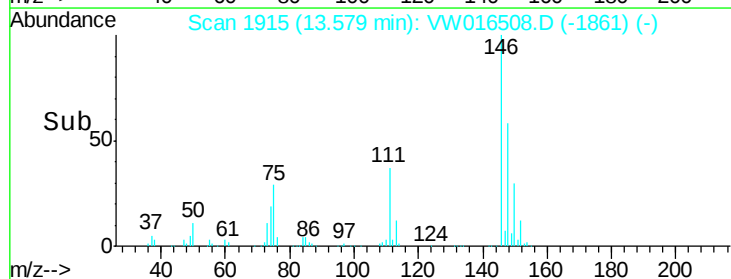
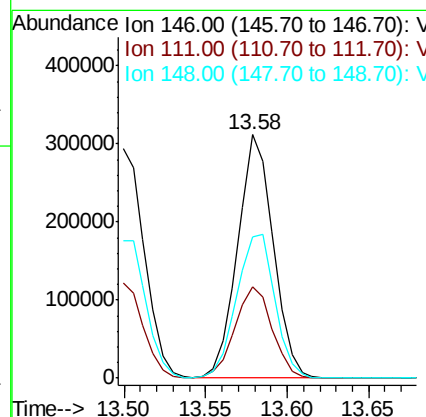
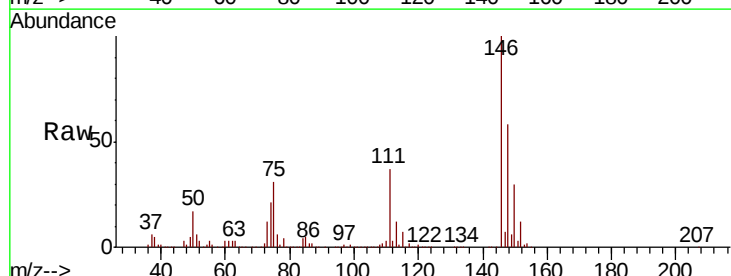
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02516

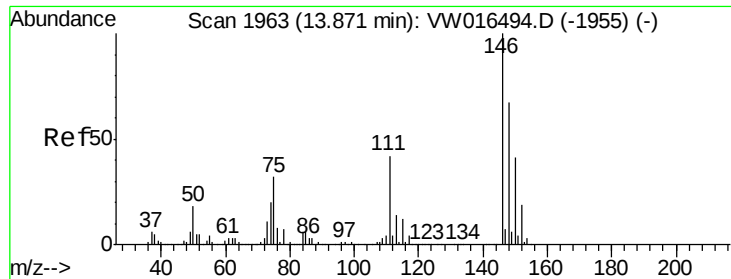
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	26.5	49.3
148	59.9	41.3	76.7



#64
 1,4-Dichlorobenzene
 Concen: 26.740 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW016508.D
 Acq: 09 Sep 2020 19:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	26.4	49.0
148	58.2	45.1	83.9

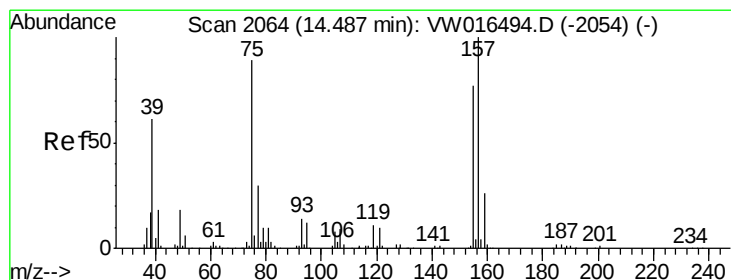
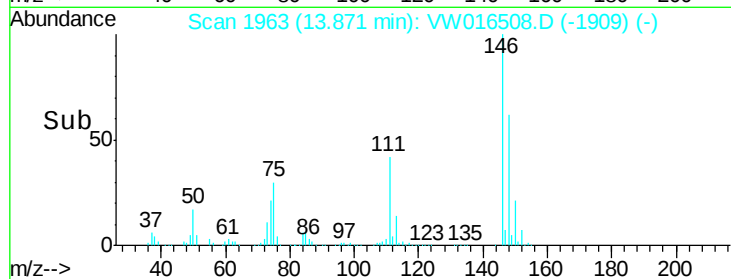
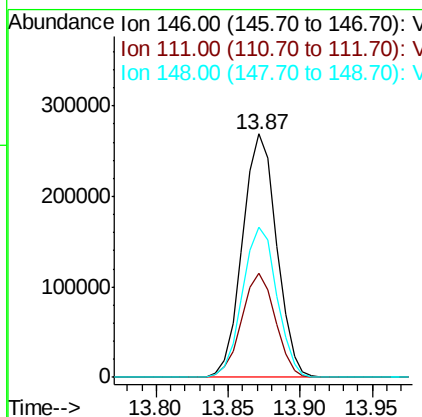
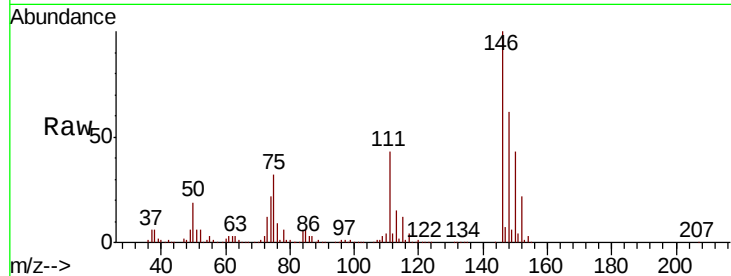




#65
 1,2-Dichlorobenzene
 Concen: 27.695 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW016508.D
 Acq: 09 Sep 2020 19:42

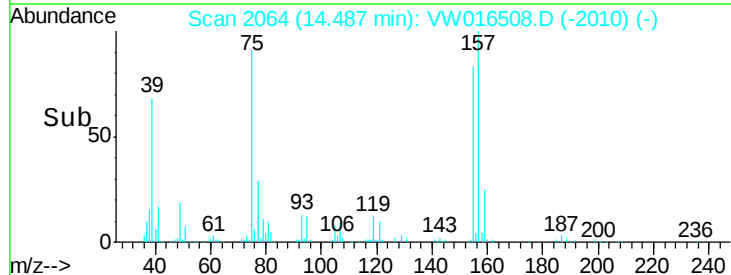
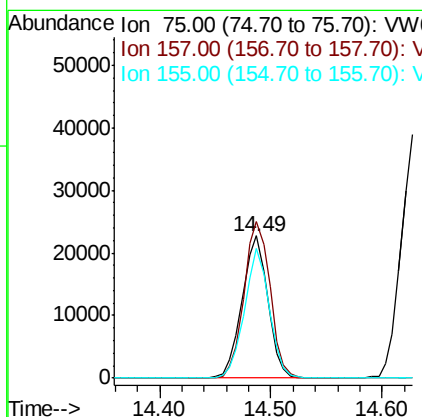
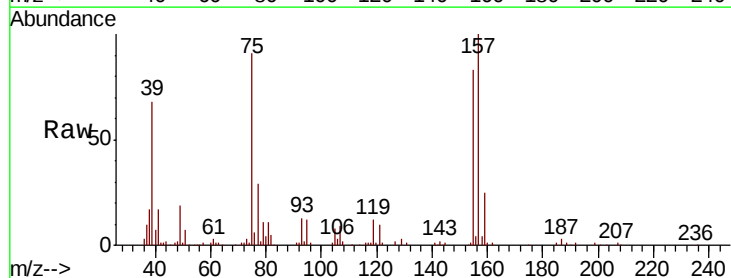
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02516

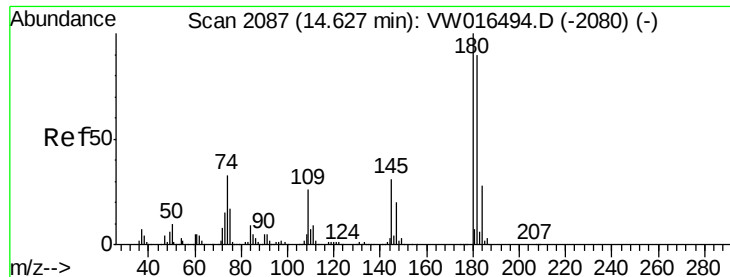
Tot Ion:146 Resp: 441445
 Ion Ratio Lower Upper
 146 100
 111 42.6 35.3 52.9
 148 61.8 49.8 74.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 24.595 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW016508.D
 Acq: 09 Sep 2020 19:42

Tgt Ion: 75 Resp: 36505
 Ion Ratio Lower Upper
 75 100
 157 110.1 91.4 137.0
 155 91.0 71.3 106.9

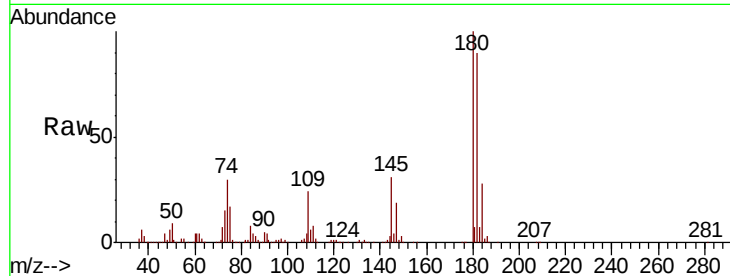




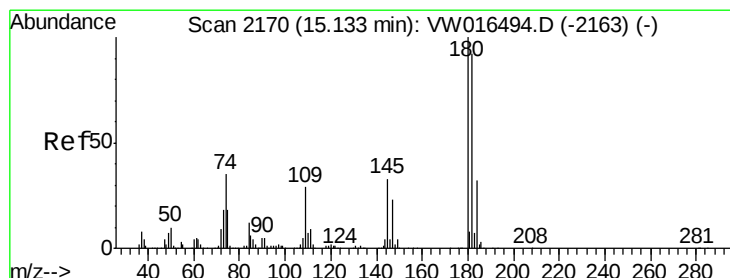
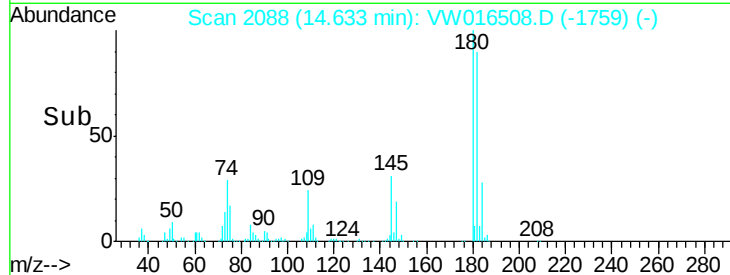
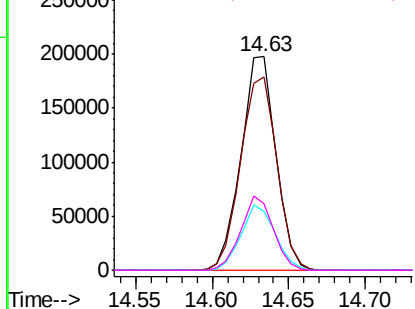
#67
 1,3,5-Trichlorobenzene
 Concen: 25.439 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.01 min
 Lab File: VW016508.D
 Acq: 09 Sep 2020 19:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02516

Tot Ion:180 Resp: 314434
 Ion Ratio Lower Upper
 180 100
 182 93.7 75.8 113.8
 184 29.8 24.2 36.2
 145 32.6 24.6 36.8

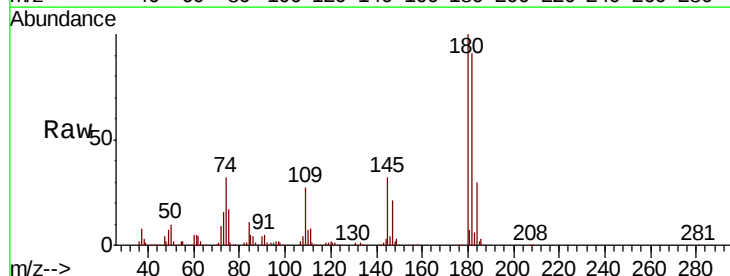


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

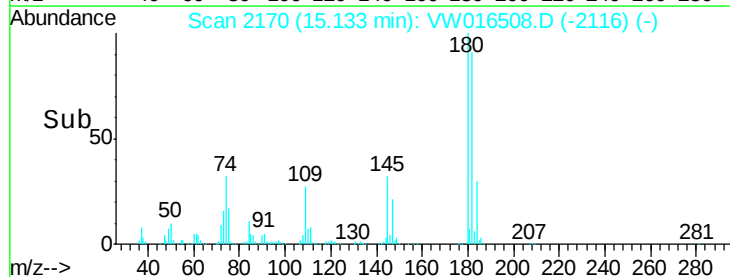
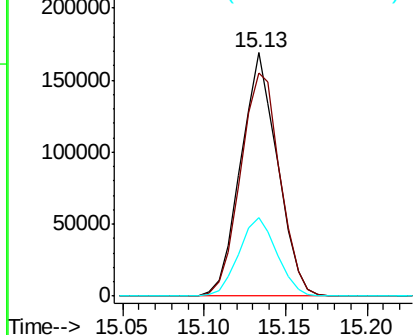


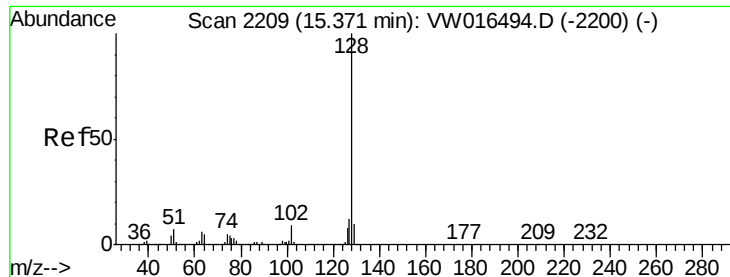
#68
 1,2,4-trichlorobenzene
 Concen: 24.851 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW016508.D
 Acq: 09 Sep 2020 19:42

Tgt Ion:180 Resp: 265675
 Ion Ratio Lower Upper
 180 100
 182 98.1 78.5 117.7
 145 33.3 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: 27.343 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW016508.D

Acq: 09 Sep 2020 19:42

Instrument :

MSVOA_W

ClientSampleId :

VSTD02516

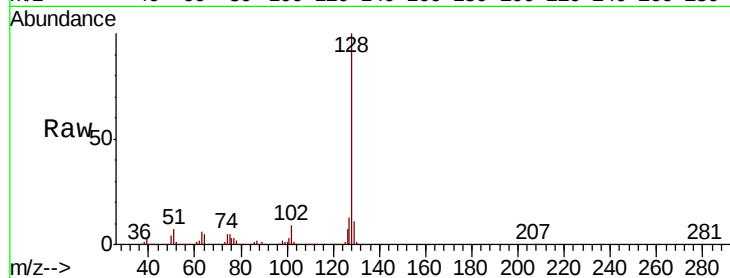
Tot Ion:128 Resp: 616945

Ion Ratio Lower Upper

128 100

129 11.1 8.7 13.1

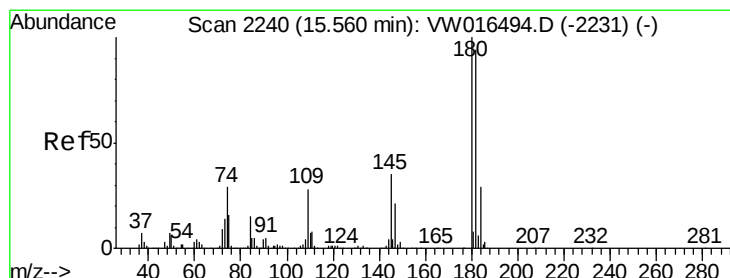
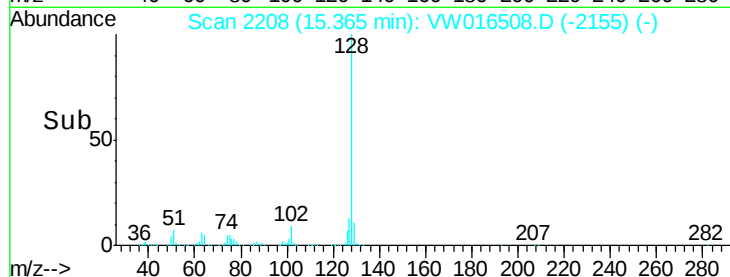
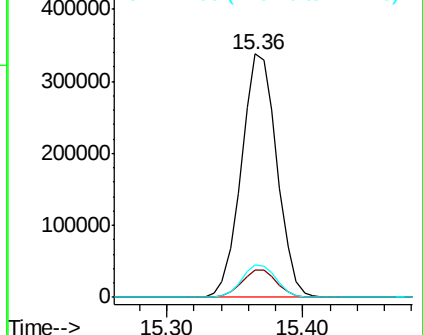
127 13.2 10.5 15.7



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



#70

1,2,3-Trichlorobenzene

Concen: 26.553 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW016508.D

Acq: 09 Sep 2020 19:42

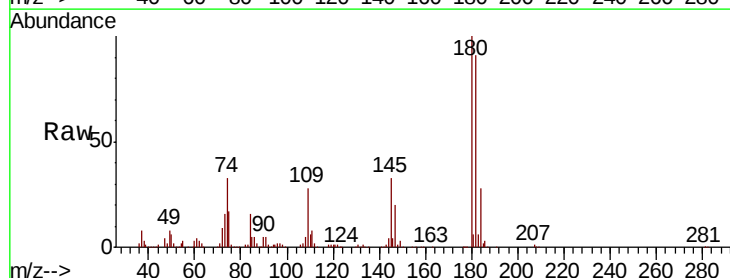
Tgt Ion:180 Resp: 243733

Ion Ratio Lower Upper

180 100

182 93.0 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

