

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092120\
 Data File : VW016594.D
 Acq On : 21 Sep 2020 13:32
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.03G/10ML/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

Quant Time: Sep 21 17:57:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 18 11:42:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	624195	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	554105	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	283413	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	119120	19.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.88%
7) Chloroethane-d5	2.90	69	103456	20.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.88%
10) 1,1-Dichloroethene-d2	4.03	63	282331	20.90	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	83.60%
20) 2-Butanone-d5	7.08	46	82708	50.21	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.42%
24) Chloroform-d	7.65	84	315074	24.13	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.52%
26) 1,2-Dichloroethane-d4	8.31	65	163685	24.42	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.68%
29) Benzene-d6	8.27	84	536117	21.57	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	86.28%
33) 1,2-Dichloropropane-d6	9.27	67	159715	23.72	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.88%
37) Toluene-d8	10.32	98	495579	20.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	81.08%
38) trans-1,3-Dichloropropene-	10.58	79	80017	23.57	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.28%
39) 2-Hexanone-d5	10.93	63	67026	54.72	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.44%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	150612	26.28	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	105.12%
61) 1,2-Dichlorobenzene-d4	13.85	152	210395	23.23	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.92%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.02	85	196651	25.503	ug/L 99
3) Chloromethane	2.22	50	144586	25.626	ug/L 97
5) Vinyl chloride	2.37	62	219178	26.324	ug/L 97
6) Bromomethane	2.79	94	157404	24.914	ug/L 98
8) Chloroethane	2.93	64	126690	25.721	ug/L 99
9) Trichlorofluoromethane	3.27	101	186219	22.183	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.08	101	209152	26.007	ug/L 96
12) 1,1-Dichloroethene	4.04	96	202294	25.586	ug/L 98
13) Acetone	4.13	43	63450	49.173	ug/L 100
14) Carbon disulfide	4.39	76	596623	25.013	ug/L 99
15) Methyl Acetate	4.68	43	75745	25.779	ug/L 99
16) Methylene chloride	4.92	84	201628	20.944	ug/L 99
17) Methyl tert-butyl Ether	5.43	73	269277	24.866	ug/L 100
18) trans-1,2-Dichloroethene	5.43	96	213692	26.099	ug/L 98
19) 1,1-Dichloroethane	6.22	63	335445	25.907	ug/L 99
21) 2-Butanone	7.17	43	95695	43.592	ug/L 95
22) cis-1,2-Dichloroethene	7.17	96	222079	26.141	ug/L 98

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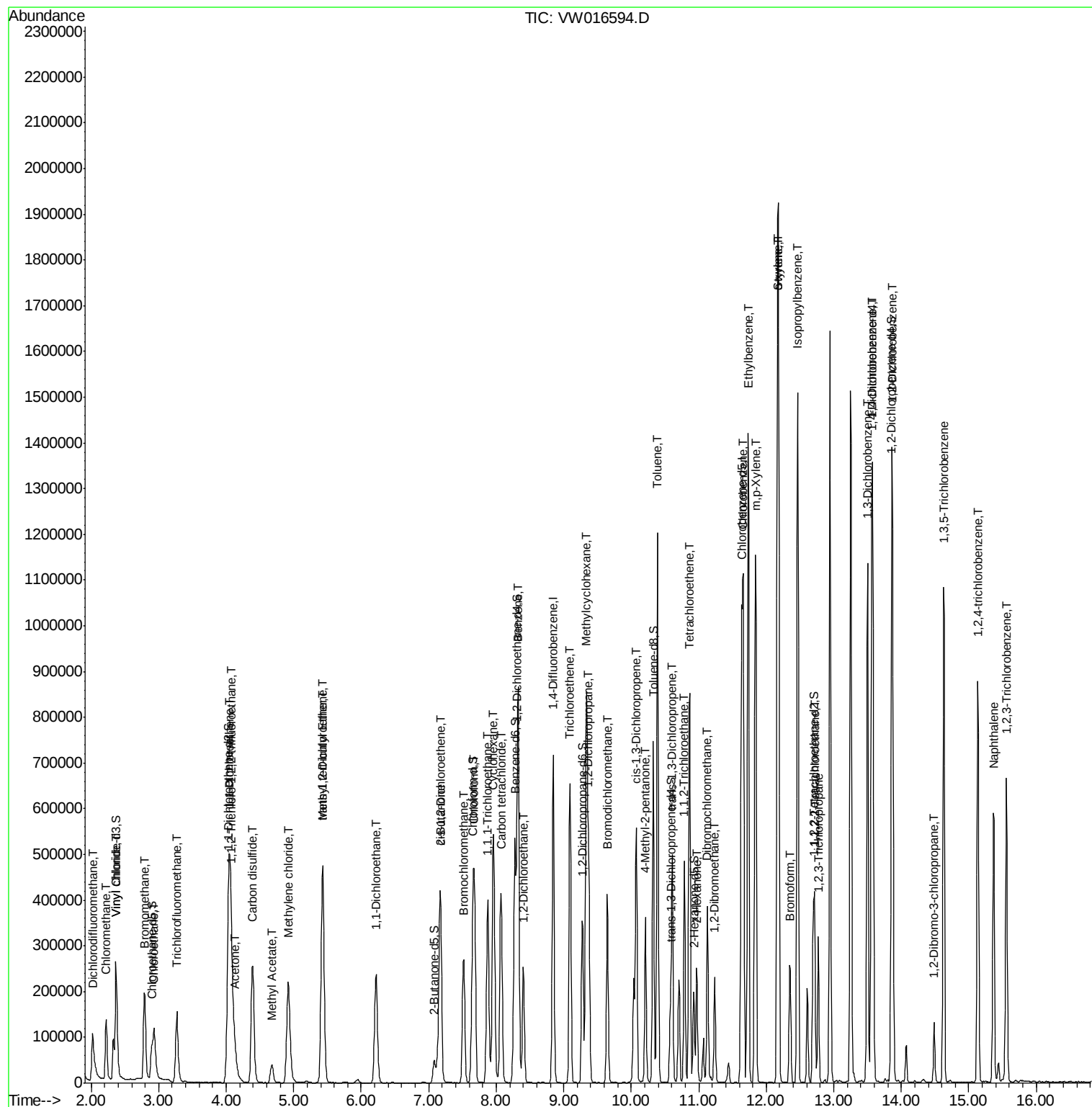
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	107518	26.033	ug/L	98
25) Chloroform	7.68	83	369252	26.156	ug/L	99
27) 1,2-Dichloroethane	8.40	62	236227	26.080	ug/L	98
30) Cyclohexane	7.96	56	306167	25.285	ug/L	99
31) 1,1,1-Trichloroethane	7.88	97	333265	25.752	ug/L	100
32) Carbon tetrachloride	8.07	117	327428	26.042	ug/L	98
34) Benzene	8.32	78	768576	25.879	ug/L	100
35) Trichloroethene	9.09	95	223264	25.983	ug/L	99
36) Methylcyclohexane	9.34	83	370801	25.441	ug/L	99
40) 1,2-Dichloropropane	9.37	63	178156	25.792	ug/L	100
41) Bromodichloromethane	9.65	83	274162	26.784	ug/L	96
42) cis-1,3-Dichloropropene	10.07	75	311079	26.366	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	222187	50.628	ug/L	100
44) Toluene	10.39	91	882491	26.425	ug/L	95
45) trans-1,3-Dichloropropene	10.61	75	274326	26.723	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	151445	26.025	ug/L	97
47) Tetrachloroethene	10.87	164	197640	25.472	ug/L	96
49) 2-Hexanone	10.97	43	148974	53.487	ug/L	98
50) Dibromochloromethane	11.13	129	205051	26.989	ug/L	99
51) 1,2-Dibromoethane	11.24	107	153553	26.355	ug/L	98
52) Chlorobenzene	11.66	112	578031	25.768	ug/L	99
53) Ethylbenzene	11.73	91	998617	26.338	ug/L	95
54) m,p-Xylene	11.84	106	388316	26.155	ug/L	97
55) o-xylene	12.16	106	360053	25.314	ug/L	94
56) Styrene	12.18	104	619644	26.235	ug/L	98
57) Isopropylbenzene	12.46	105	1001253	25.762	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	171888	26.414	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	126461	26.091	ug/L	100
62) Bromoform	12.35	173	123424	25.819	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	484444	26.280	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	467561	25.899	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	426024	25.864	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	30312	25.673	ug/L	90
67) 1,3,5-Trichlorobenzene	14.63	180	349376	25.915	ug/L	97
68) 1,2,4-trichlorobenzene	15.13	180	296196	27.159	ug/L	99
69) Naphthalene	15.37	128	522839	27.043	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	245052	26.125	ug/L	98

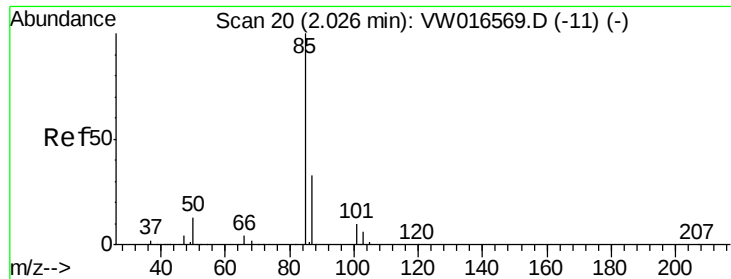
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#2

Dichlorodifluoromethane

Concen: 25.503 ug/L

RT: 2.02 min Scan# 19

Delta R.T. -0.01 min

Lab File: VW016594.D

Acq: 21 Sep 2020 13:32

Instrument :

MSVOA_W

ClientSampleId :

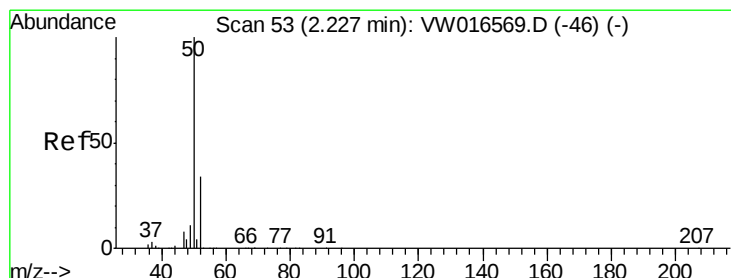
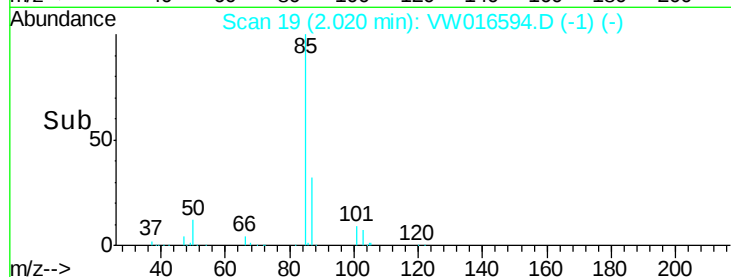
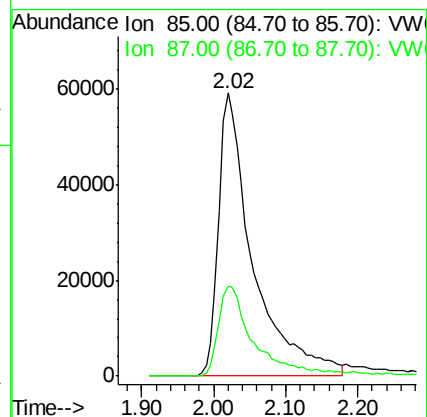
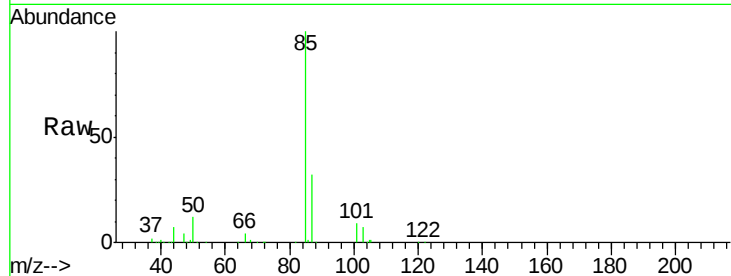
VSTD02525

Tgt Ion: 85 Resp: 196651

Ion Ratio Lower Upper

85 100

87 31.1 22.2 41.2



#3

Chloromethane

Concen: 25.626 ug/L

RT: 2.22 min Scan# 52

Delta R.T. -0.01 min

Lab File: VW016594.D

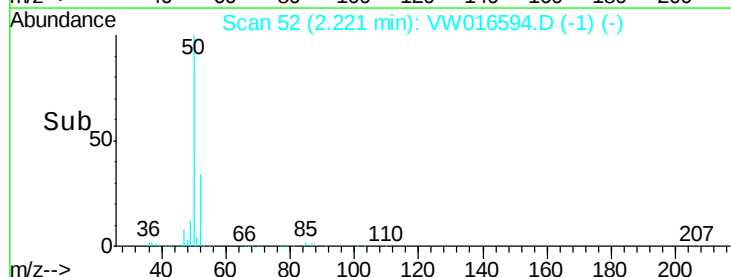
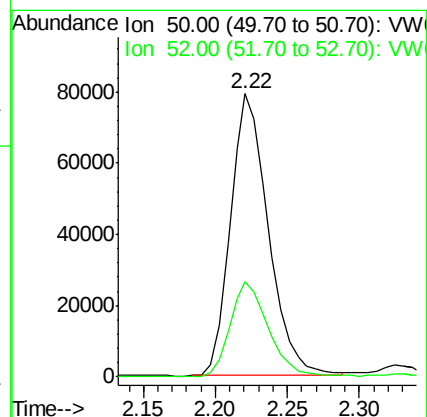
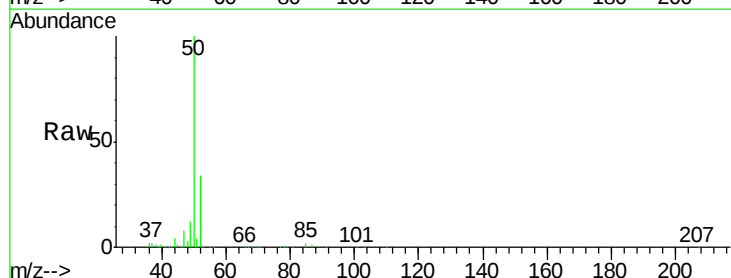
Acq: 21 Sep 2020 13:32

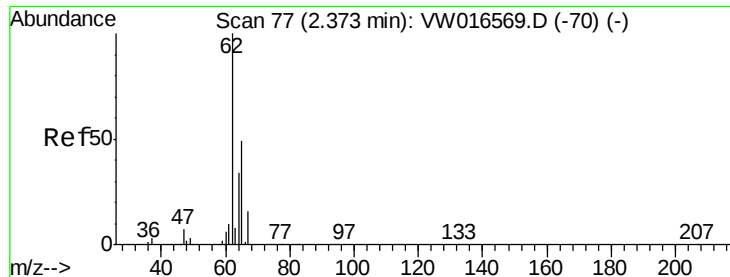
Tgt Ion: 50 Resp: 144586

Ion Ratio Lower Upper

50 100

52 33.6 22.4 41.6





#5

Vinyl chloride

Concen: 26.324 ug/L

RT: 2.37 min Scan# 77

Delta R.T. -0.00 min

Lab File: VW016594.D

Acq: 21 Sep 2020 13:32

Instrument :

MSVOA_W

ClientSampleId :

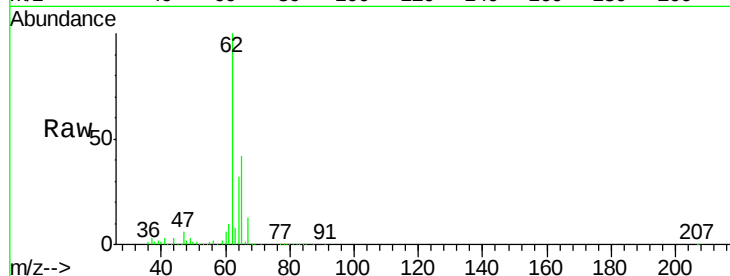
VSTD02525

Tgt Ion: 62 Resp: 219178

Ion Ratio Lower Upper

62 100

64 31.7 23.4 43.4



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW

2.37

120000

100000

80000

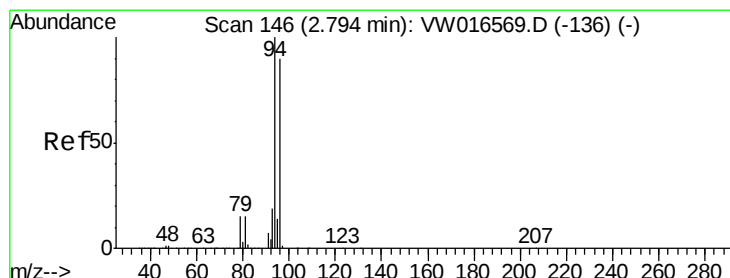
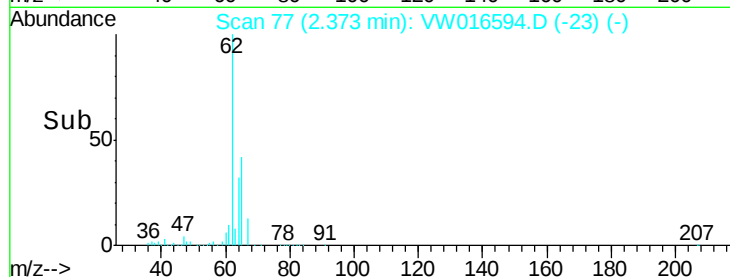
60000

40000

20000

0

Time-->



#6

Bromomethane

Concen: 24.914 ug/L

RT: 2.79 min Scan# 145

Delta R.T. -0.01 min

Lab File: VW016594.D

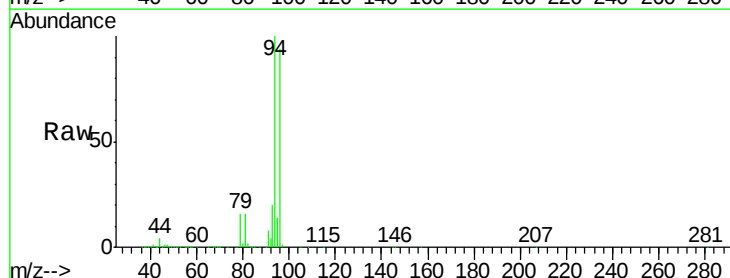
Acq: 21 Sep 2020 13:32

Tgt Ion: 94 Resp: 157404

Ion Ratio Lower Upper

94 100

96 93.5 9.6 181.6



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW

2.79

80000

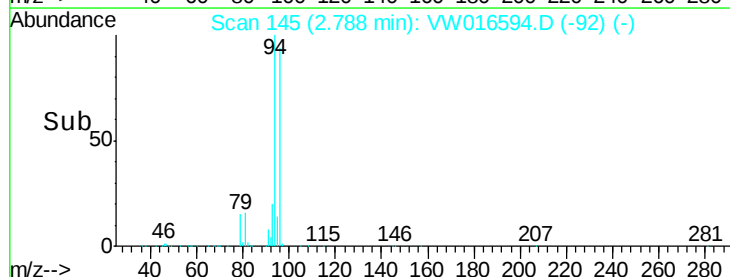
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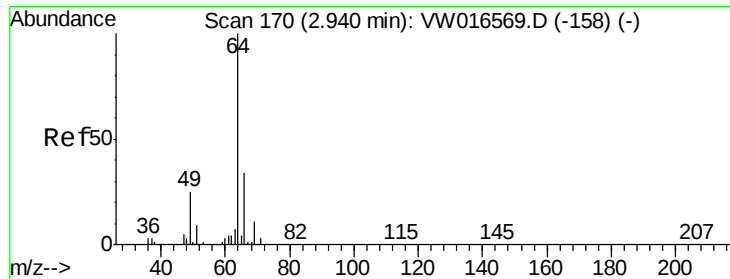
40000

20000

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Time-->





#8

Chloroethane

Concen: 25.721 ug/L

RT: 2.93 min Scan# 169

Delta R.T. -0.01 min

Lab File: VW016594.D

Acq: 21 Sep 2020 13:32

Instrument :

MSVOA_W

ClientSampleId :

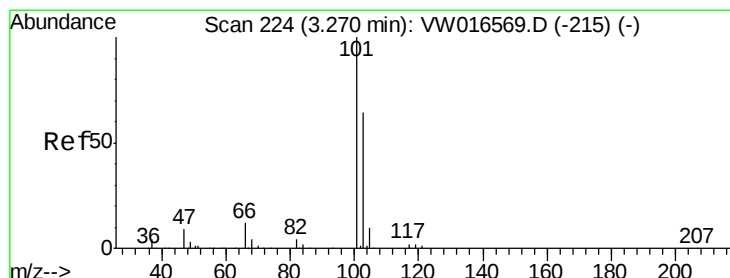
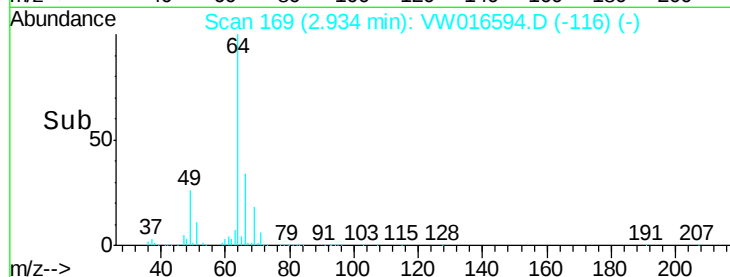
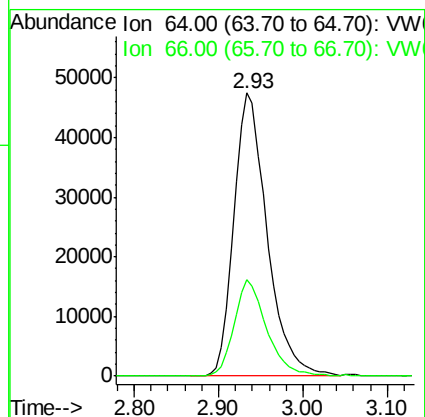
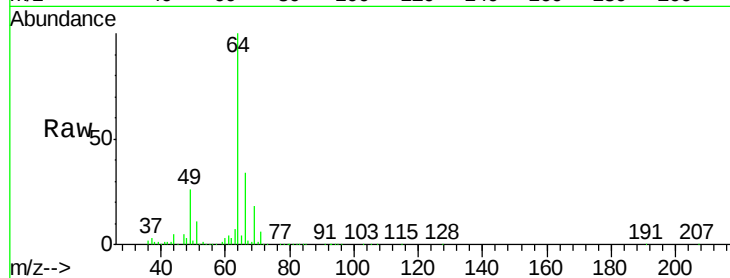
VSTD02525

Tgt Ion: 64 Resp: 126690

Ion Ratio Lower Upper

64 100

66 34.0 23.2 43.2



#9

Trichlorofluoromethane

Concen: 22.183 ug/L

RT: 3.27 min Scan# 224

Delta R.T. -0.00 min

Lab File: VW016594.D

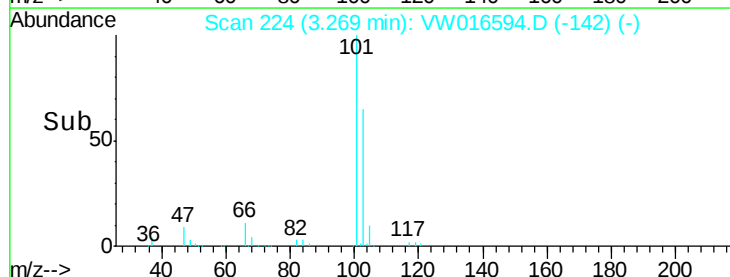
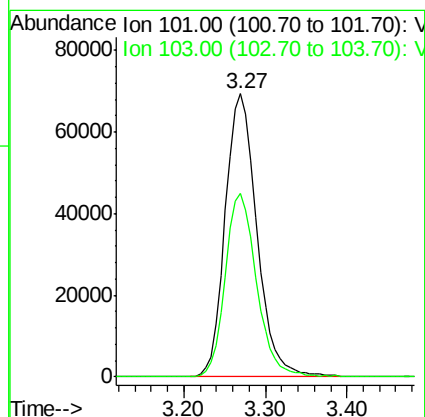
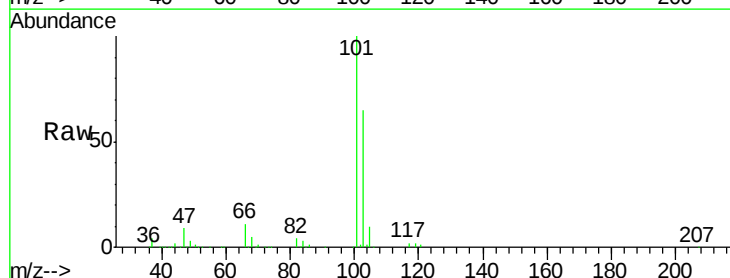
Acq: 21 Sep 2020 13:32

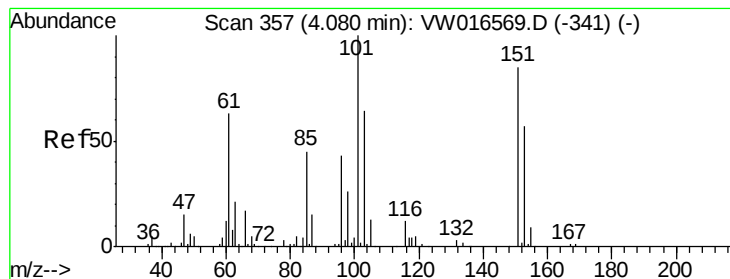
Tgt Ion: 101 Resp: 186219

Ion Ratio Lower Upper

101 100

103 64.0 45.2 84.0





#11

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

Concen: 26.007 ug/L

RT: 4.08 min Scan# 357

Delta R.T. -0.00 min

Lab File: VW016594.D

Acq: 21 Sep 2020 13:32

Instrument :

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ClientSampleId :

VSTD02525

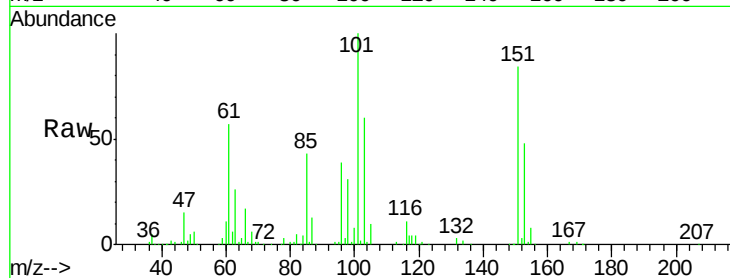
Tgt Ion: 101 Resp: 209152

Ion Ratio Lower Upper

101 100

85 42.0 32.6 49.0

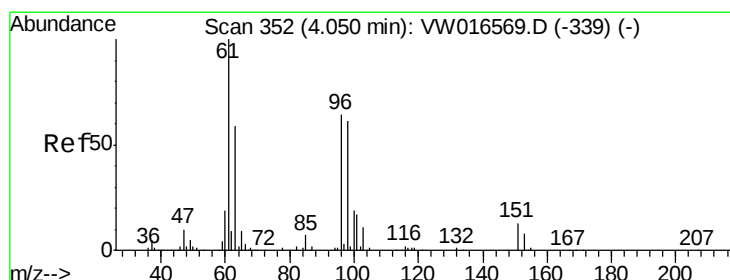
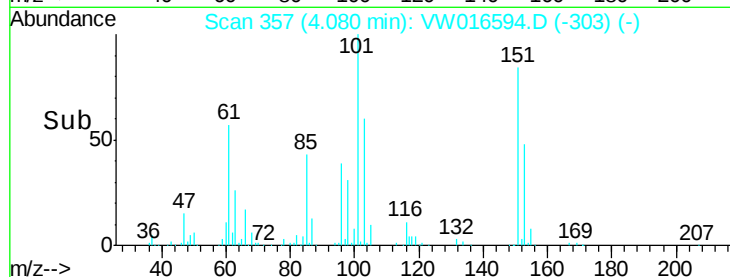
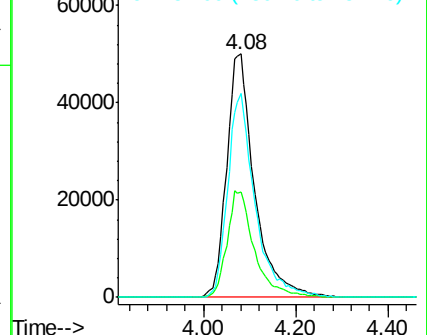
151 77.7 66.0 99.0



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: 25.586 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.01 min

Lab File: VW016594.D

Acq: 21 Sep 2020 13:32

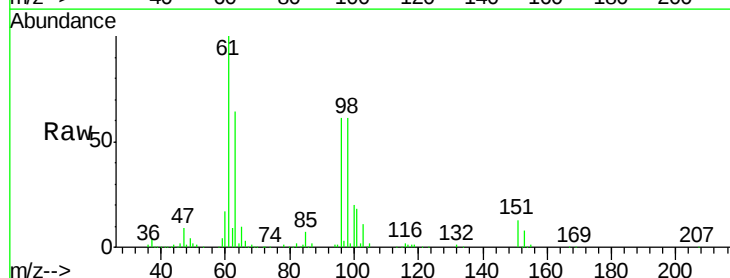
Tgt Ion: 96 Resp: 202294

Ion Ratio Lower Upper

96 100

61 162.9 111.4 206.8

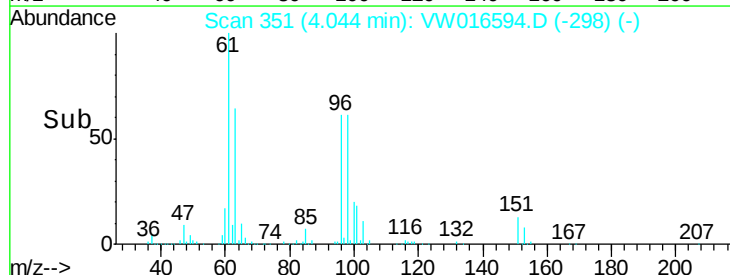
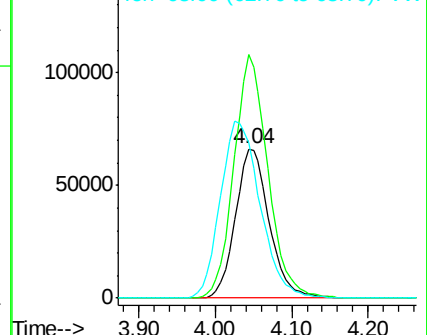
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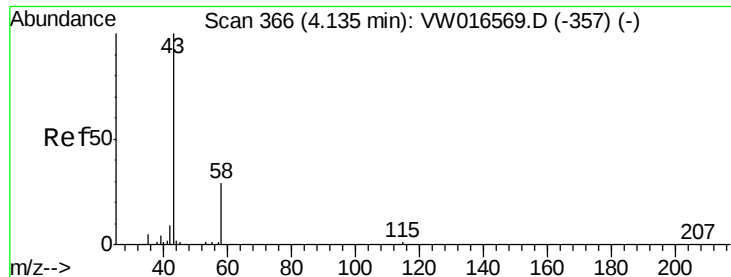


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 49.173 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

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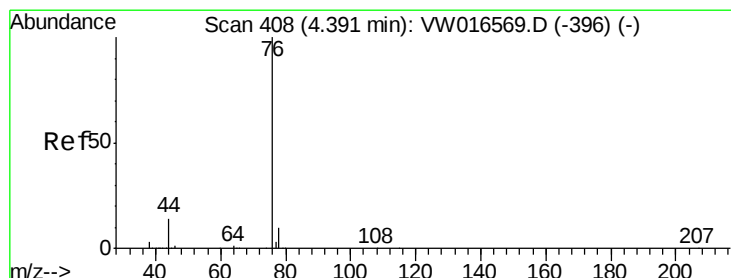
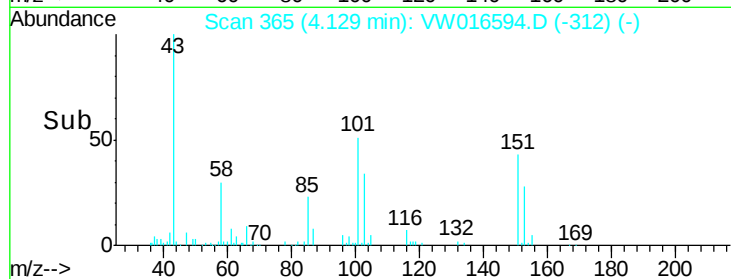
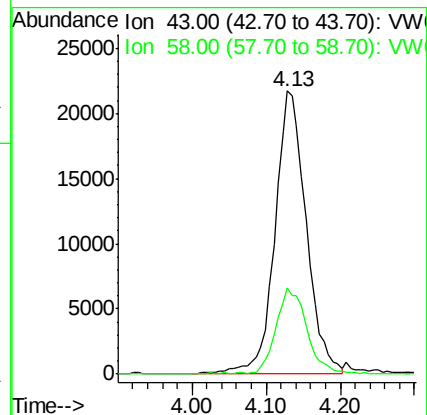
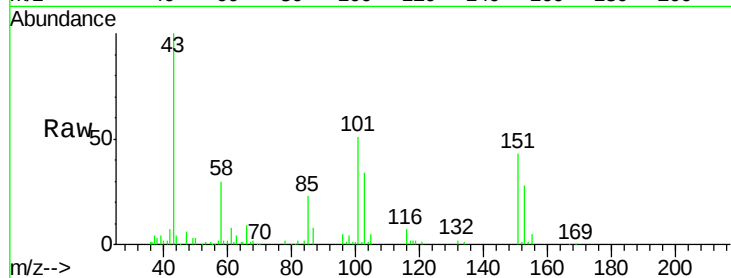
VSTD02525

Tgt Ion: 43 Resp: 63450

Ion Ratio Lower Upper

43 100

58 29.9 0.0 60.2



#14

Carbon disulfide

Concen: 25.013 ug/L

RT: 4.39 min Scan# 407

Delta R.T. -0.01 min

Lab File: VW016594.D

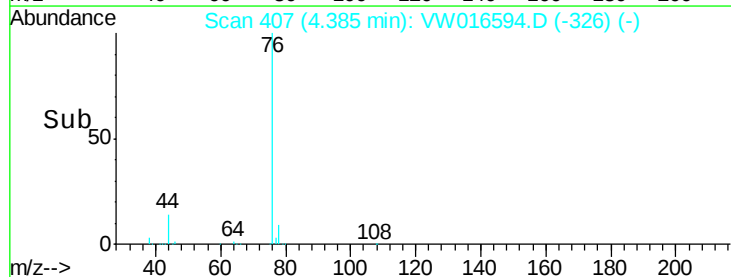
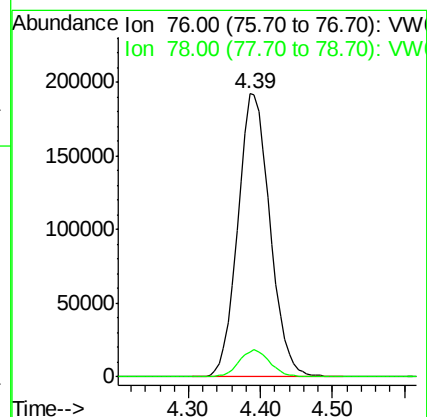
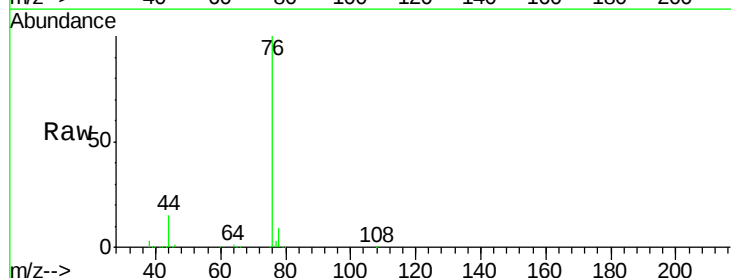
Acq: 21 Sep 2020 13:32

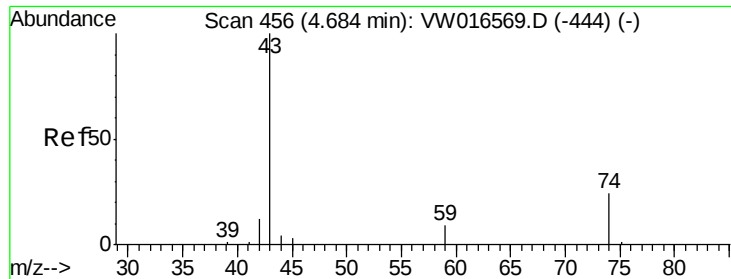
Tgt Ion: 76 Resp: 596623

Ion Ratio Lower Upper

76 100

78 8.7 7.3 10.9

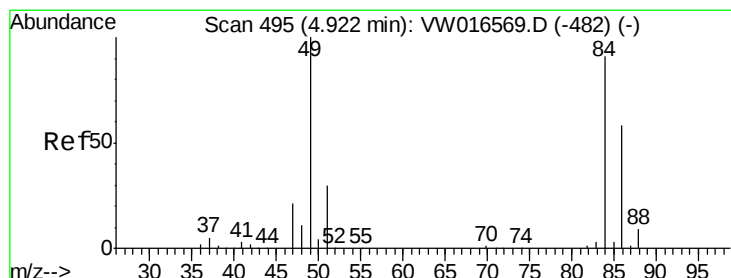
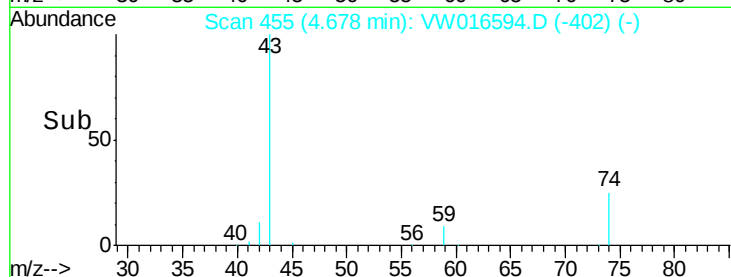
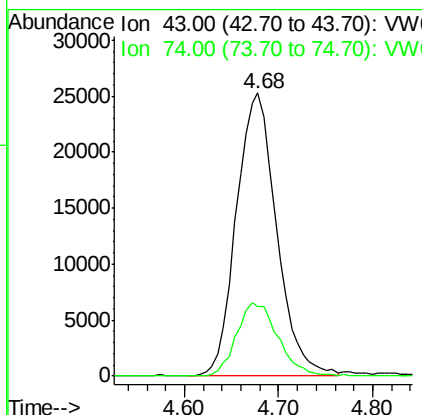
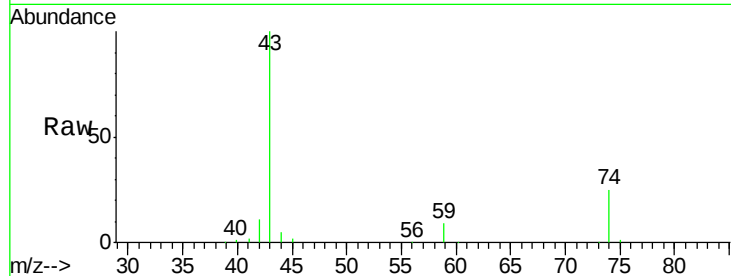




#15
Methyl Acetate
Concen: 25.779 ug/L
RT: 4.68 min Scan# 455
Delta R.T. -0.01 min
Lab File: VW016594.D
Acq: 21 Sep 2020 13:32

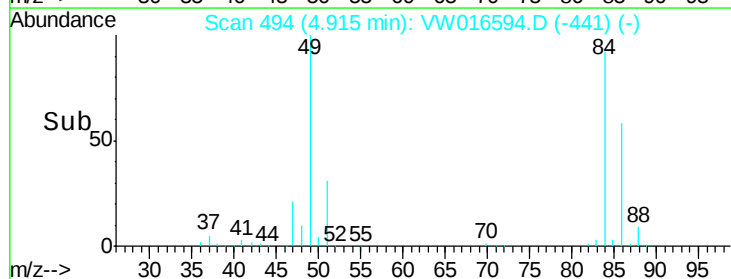
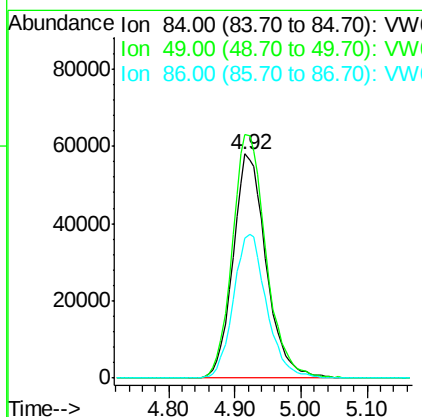
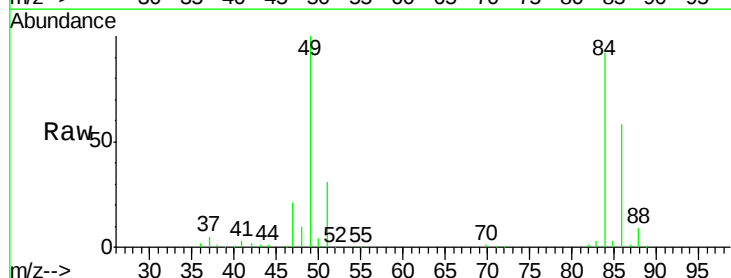
Instrument :
MSVOA_W
ClientSampleId :
VSTD02525

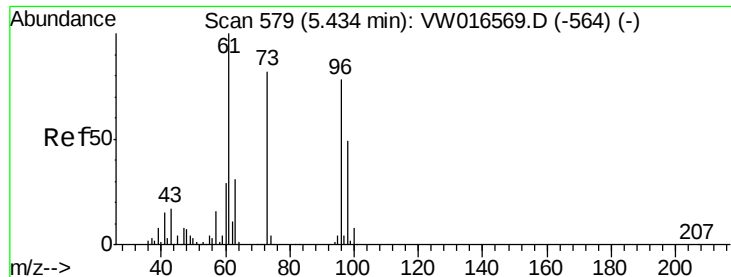
Tgt Ion: 43 Resp: 75745
Ion Ratio Lower Upper
43 100
74 26.4 21.5 32.3



#16
Methylene chloride
Concen: 20.944 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW016594.D
Acq: 21 Sep 2020 13:32

Tgt Ion: 84 Resp: 201628
Ion Ratio Lower Upper
84 100
49 108.8 76.0 141.2
86 62.6 45.6 84.6

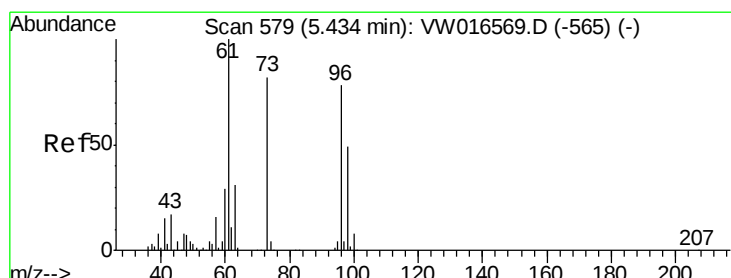
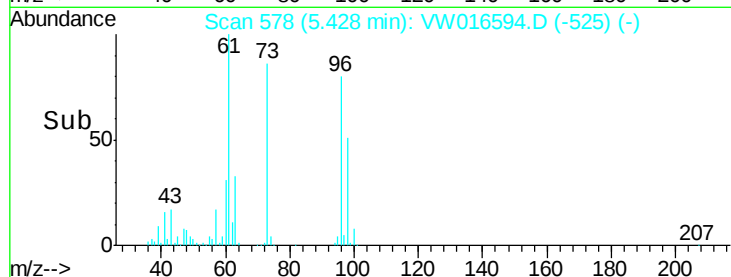
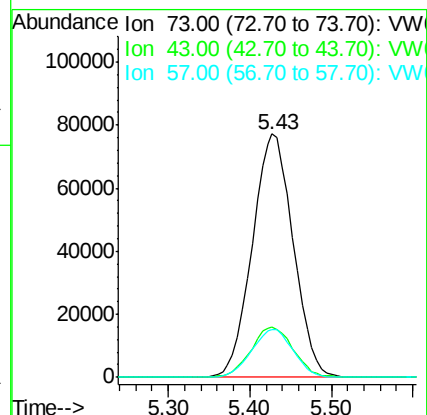
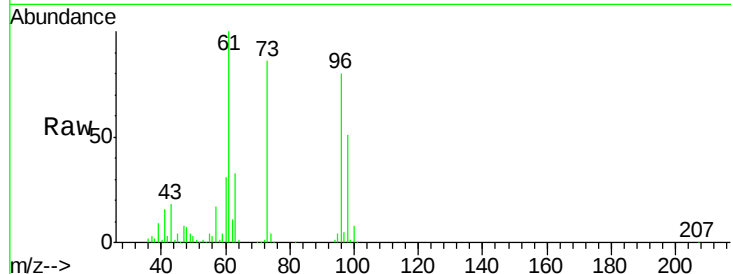




#17
Methyl tert-butyl Ether
Concen: 24.866 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW016594.D
Acq: 21 Sep 2020 13:32

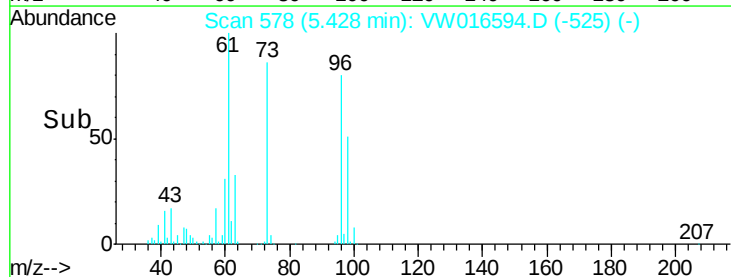
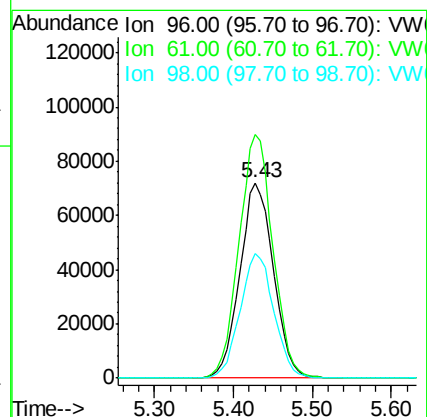
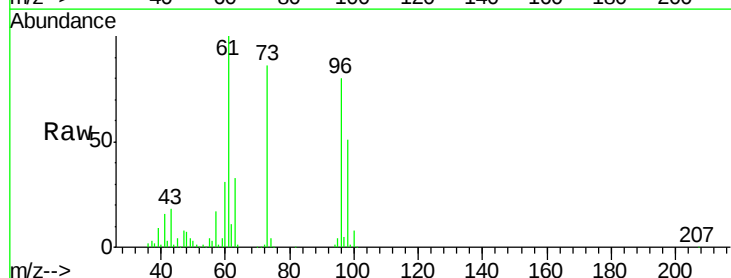
Instrument :
MSVOA_W
ClientSampled :
VSTD02525

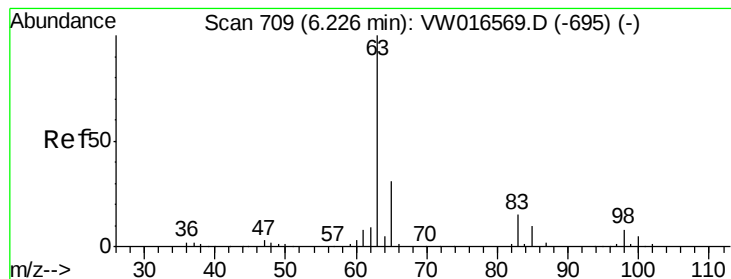
Tgt Ion: 73 Resp: 269277
Ion Ratio Lower Upper
73 100
43 21.3 17.2 25.8
57 20.2 16.3 24.5



#18
trans-1,2-Dichloroethene
Concen: 26.099 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW016594.D
Acq: 21 Sep 2020 13:32

Tgt Ion: 96 Resp: 213692
Ion Ratio Lower Upper
96 100
61 124.5 88.4 164.2
98 63.8 43.0 80.0





#19

1,1-Dichloroethane

Concen: 25.907 ug/L

RT: 6.22 min Scan# 708

Delta R.T. -0.01 min

Lab File: VW016594.D

Acq: 21 Sep 2020 13:32

Instrument :

MSVOA_W

ClientSampled :

VSTD02525

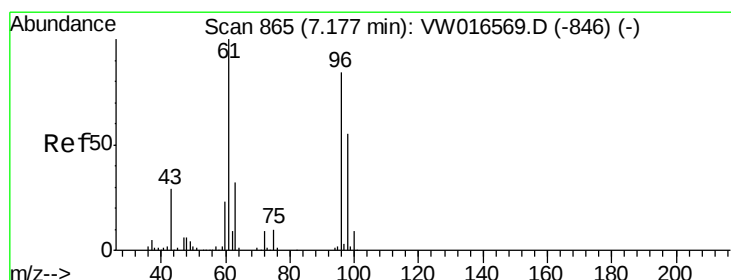
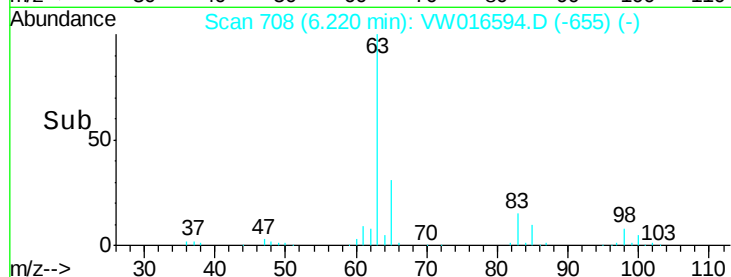
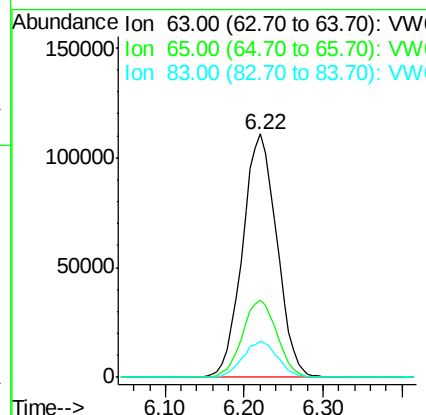
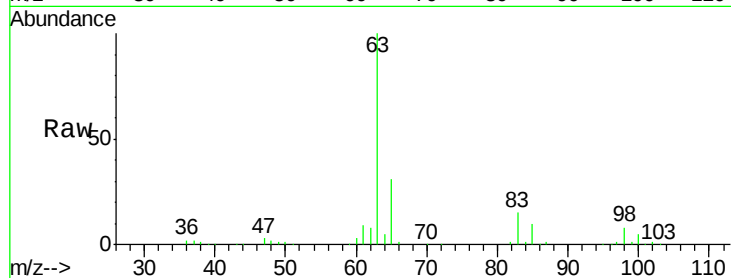
Tgt Ion: 63 Resp: 335445

Ion Ratio Lower Upper

63 100

65 31.5 21.6 40.0

83 15.1 10.4 19.2



#21

2-Butanone

Concen: 43.592 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW016594.D

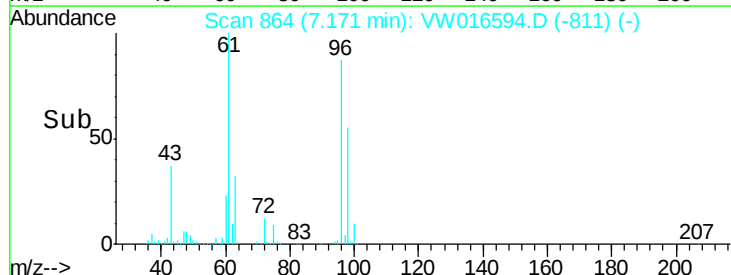
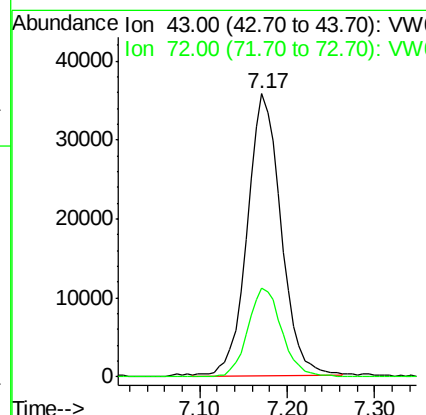
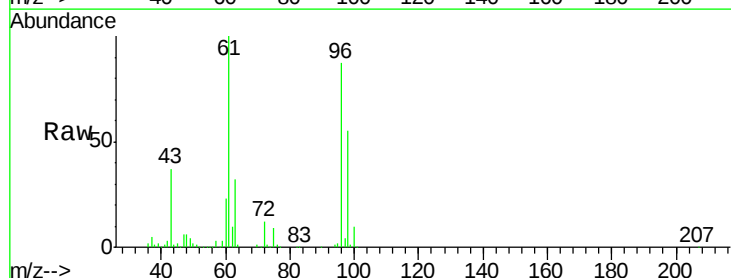
Acq: 21 Sep 2020 13:32

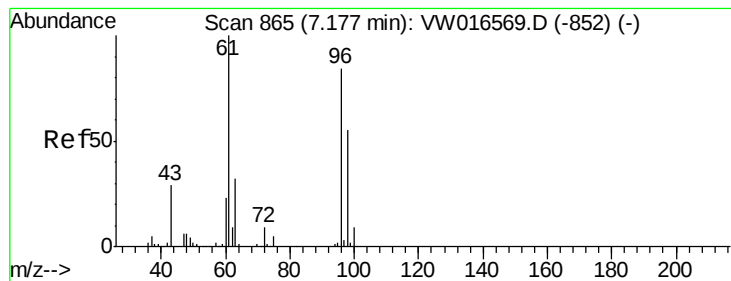
Tgt Ion: 43 Resp: 95695

Ion Ratio Lower Upper

43 100

72 31.7 14.6 43.8



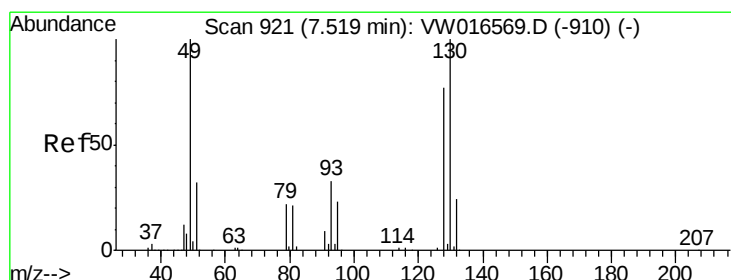
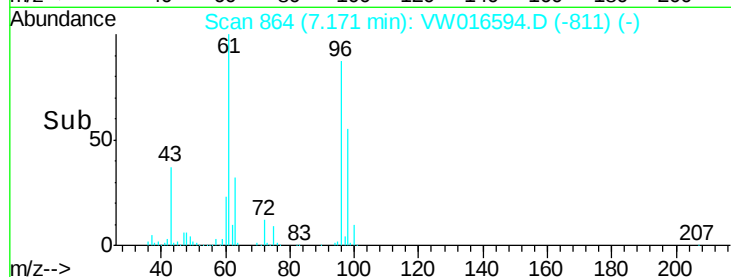
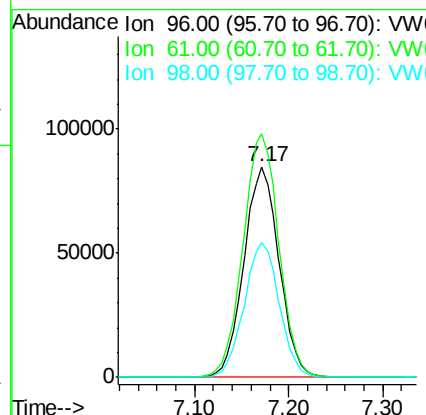
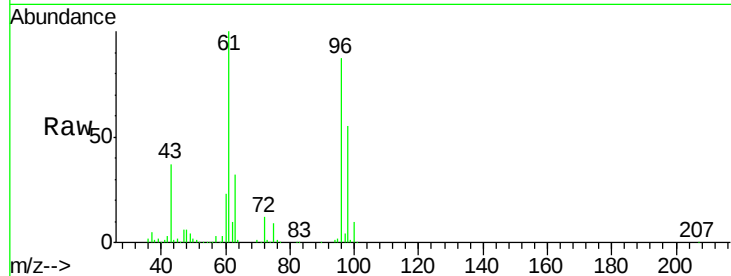


#22

cis-1,2-Dichloroethene
 Concen: 26.141 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.01 min
 Lab File: VW016594.D
 Acq: 21 Sep 2020 13:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

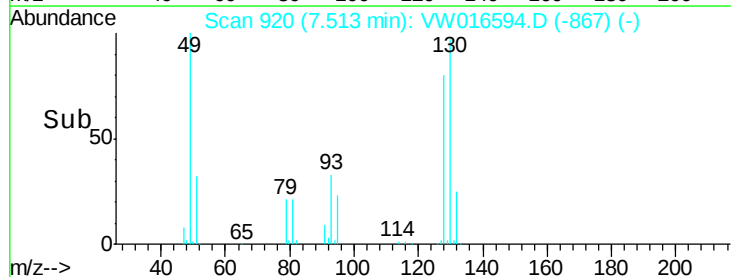
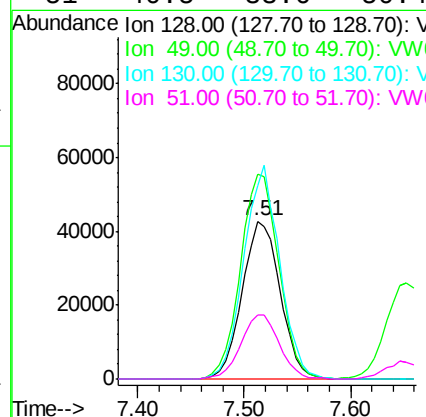
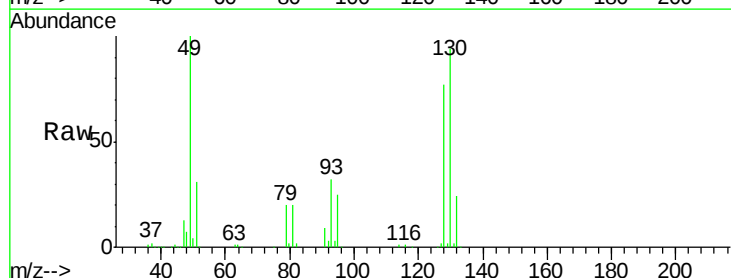
Tgt Ion: 96 Resp: 222079
 Ion Ratio Lower Upper
 96 100
 61 115.6 78.4 145.6
 98 63.7 44.8 83.2

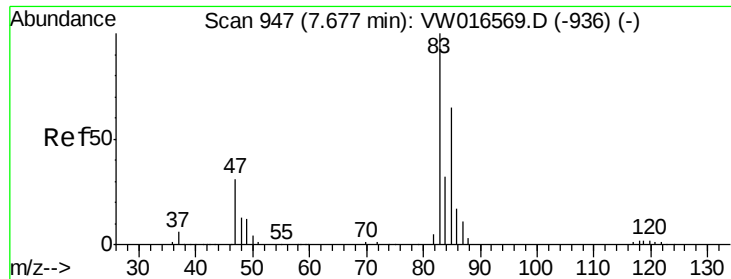


#23

Bromochloromethane
 Concen: 26.033 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VW016594.D
 Acq: 21 Sep 2020 13:32

Tgt Ion: 128 Resp: 107518
 Ion Ratio Lower Upper
 128 100
 49 129.4 92.1 171.1
 130 122.0 87.8 163.0
 51 40.5 33.6 50.4

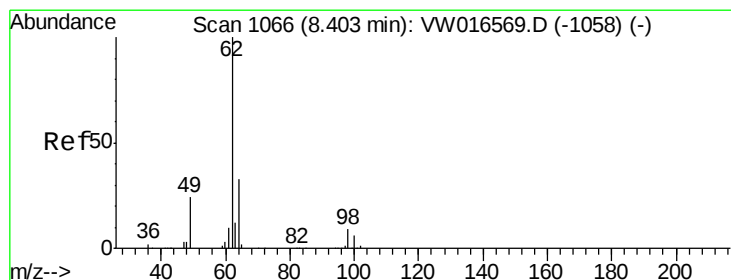
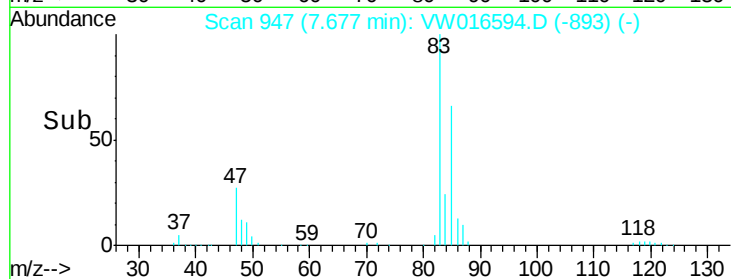
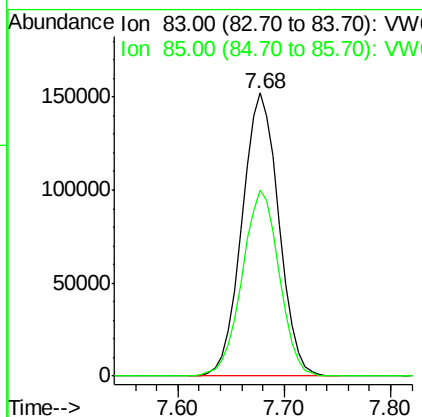
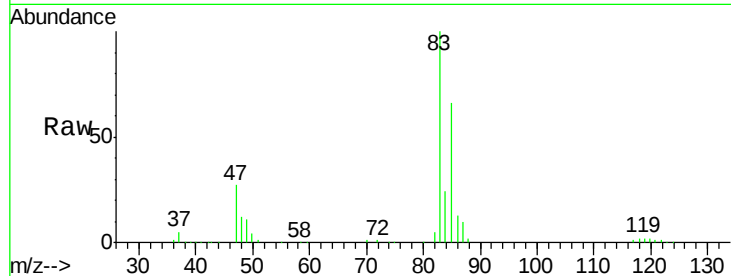




#25
Chloroform
Concen: 26.156 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW016594.D
Acq: 21 Sep 2020 13:32

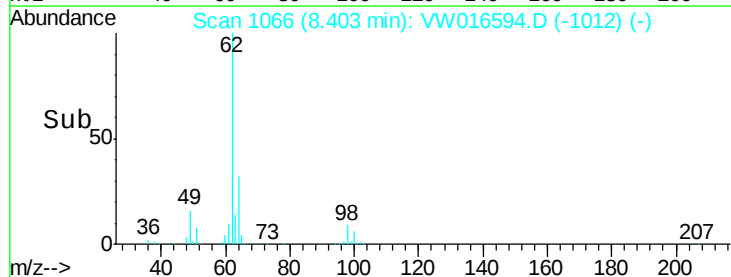
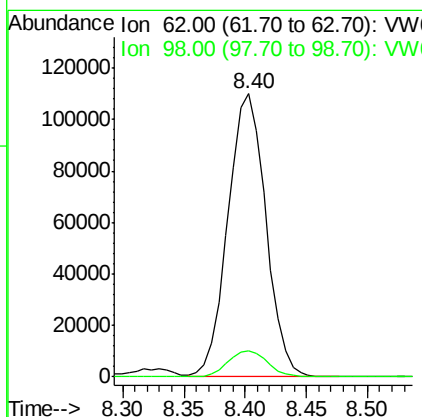
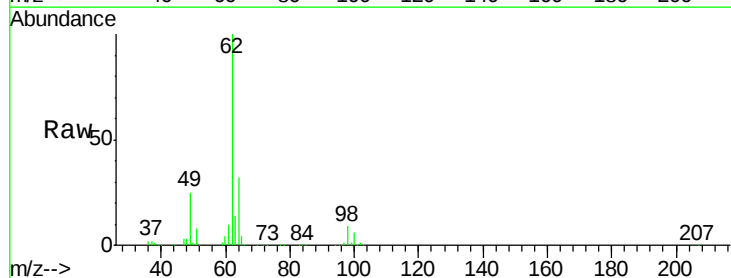
Instrument :
MSVOA_W
ClientSampleId :
VSTD02525

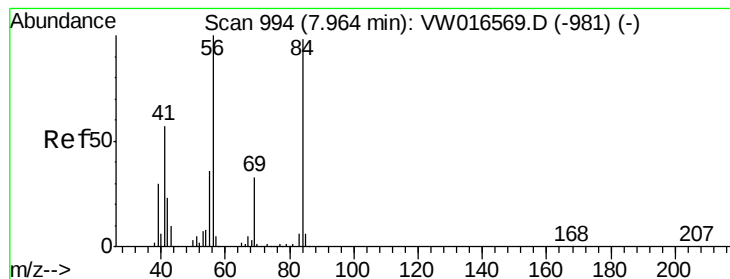
Tgt Ion: 83 Resp: 369252
Ion Ratio Lower Upper
83 100
85 66.2 46.1 85.5



#27
1,2-Dichloroethane
Concen: 26.080 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW016594.D
Acq: 21 Sep 2020 13:32

Tgt Ion: 62 Resp: 236227
Ion Ratio Lower Upper
62 100
98 9.2 7.9 11.9





#30

Cyclohexane

Concen: 25.285 ug/L

RT: 7.96 min Scan# 993

Delta R.T. -0.01 min

Lab File: VW016594.D

Acq: 21 Sep 2020 13:32

Instrument :

MSVOA_W

ClientSampleID :

VSTD02525

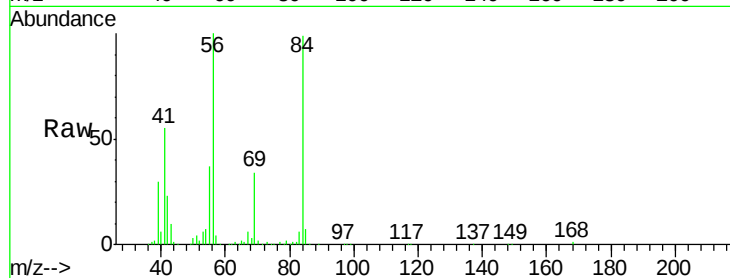
Tgt Ion: 56 Resp: 306167

Ion Ratio Lower Upper

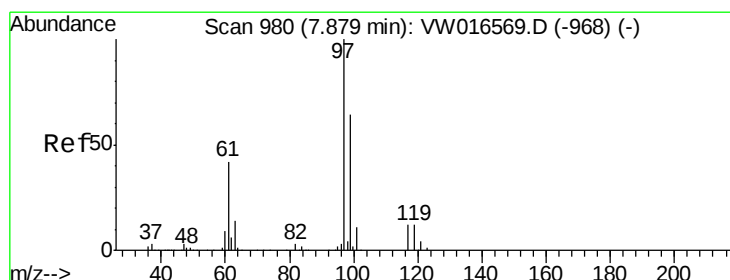
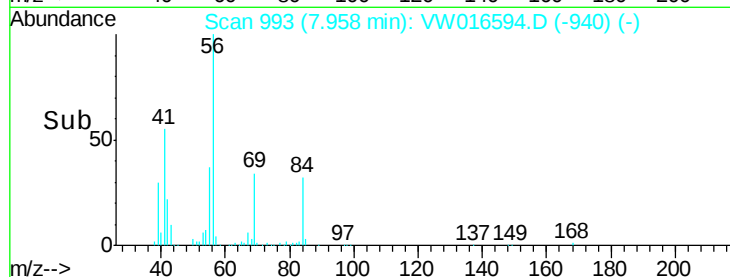
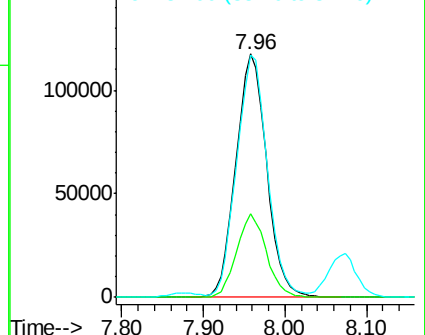
56 100

69 33.1 26.5 39.7

84 99.5 79.0 118.6



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



#31

1,1,1-Trichloroethane

Concen: 25.752 ug/L

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW016594.D

Acq: 21 Sep 2020 13:32

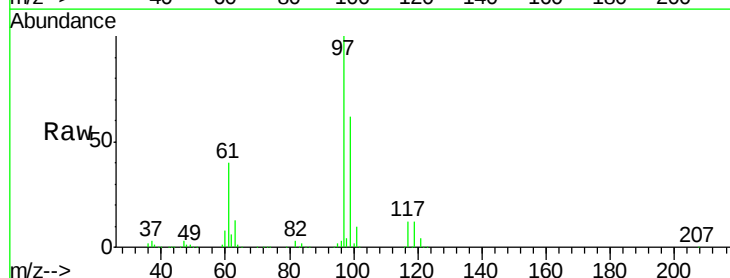
Tgt Ion: 97 Resp: 333265

Ion Ratio Lower Upper

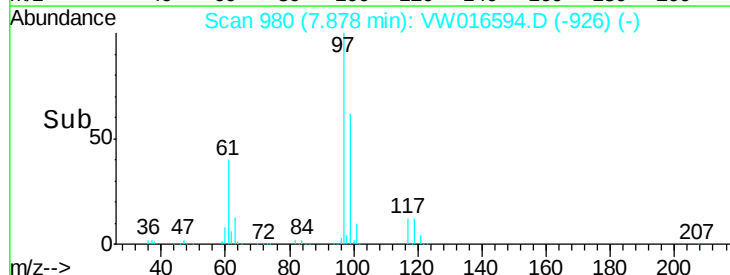
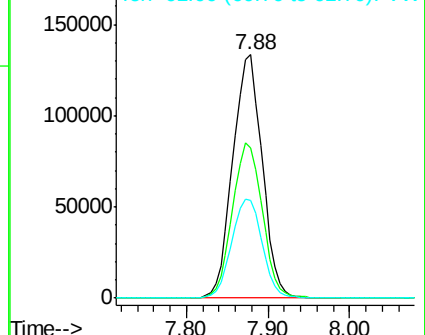
97 100

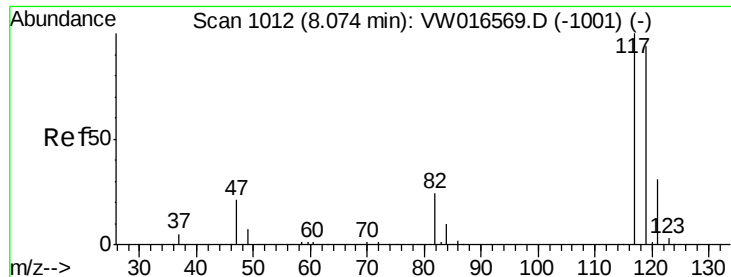
99 64.4 51.8 77.6

61 42.1 33.6 50.4



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





#32

Carbon tetrachloride

Concen: 26.042 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VW016594.D

Acq: 21 Sep 2020 13:32

Instrument :

MSVOA_W

ClientSampleId :

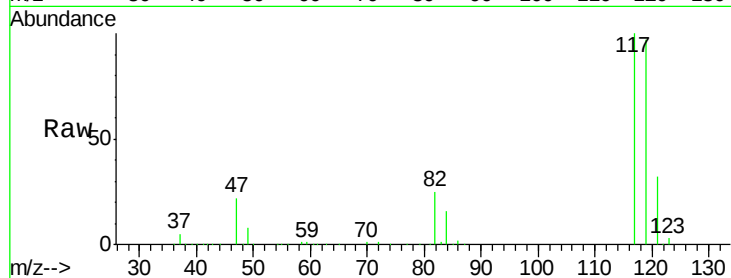
VSTD02525

Tgt Ion:117 Resp: 327428

Ion Ratio Lower Upper

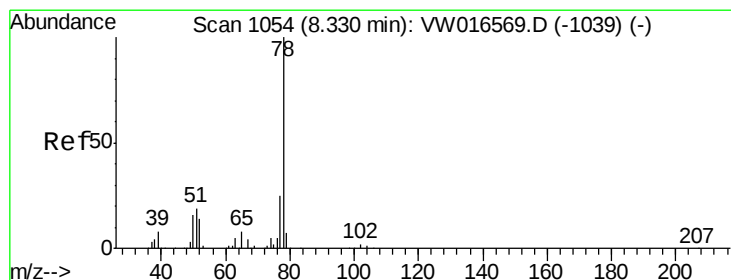
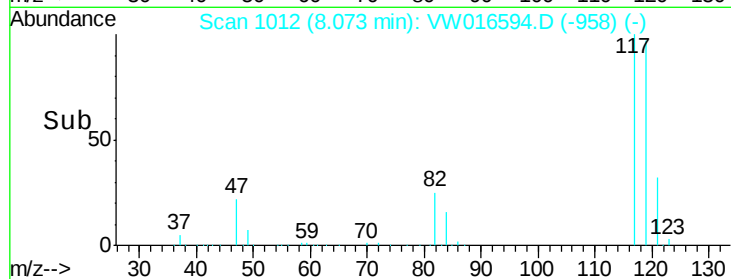
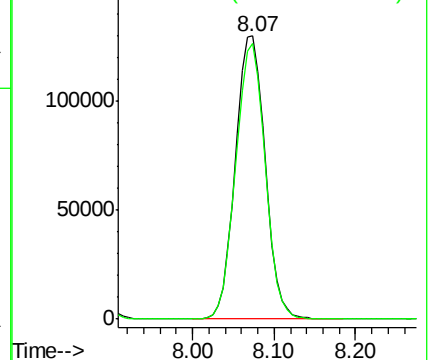
117 100

119 96.0 78.2 117.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.879 ug/L

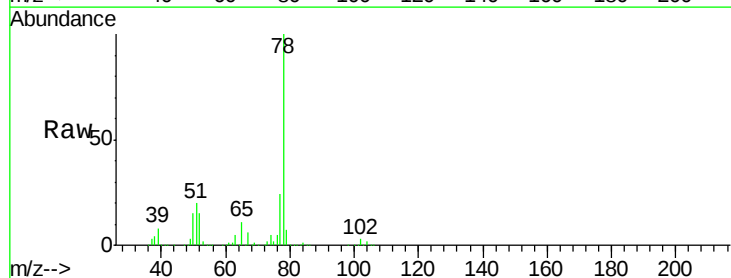
RT: 8.32 min Scan# 1053

Delta R.T. -0.01 min

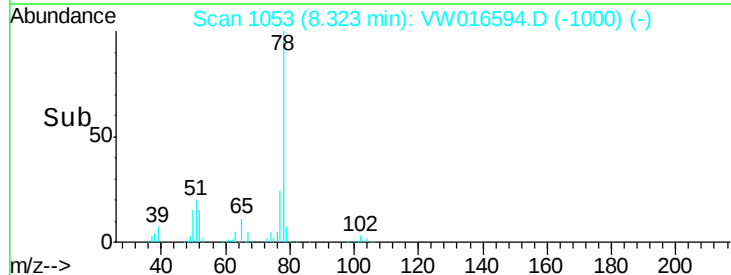
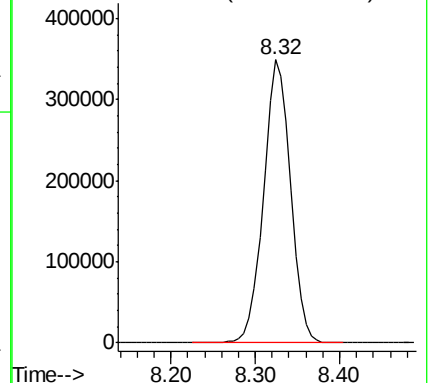
Lab File: VW016594.D

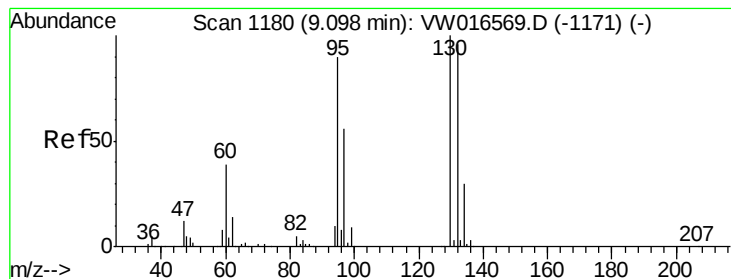
Acq: 21 Sep 2020 13:32

Tgt Ion: 78 Resp: 768576



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 25.983 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VW016594.D

Acq: 21 Sep 2020 13:32

Instrument :

MSVOA_W

ClientSampleId :

VSTD02525

Tgt Ion: 95 Resp: 223264

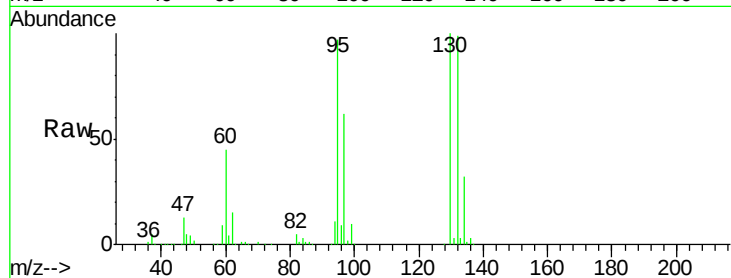
Ion Ratio Lower Upper

95 100

97 65.0 45.2 84.0

132 104.9 73.3 136.1

130 108.2 77.5 143.9

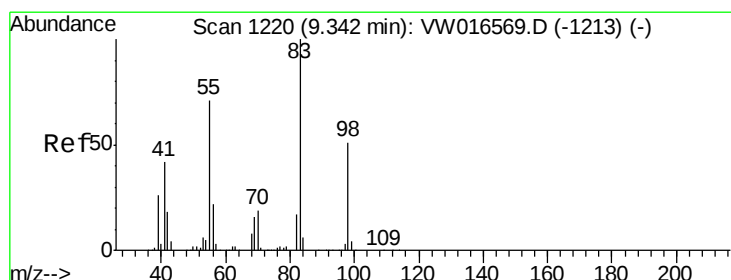
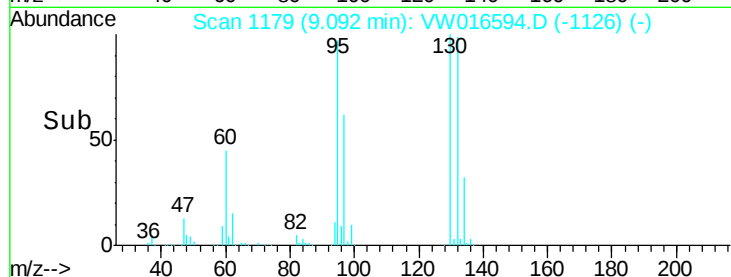
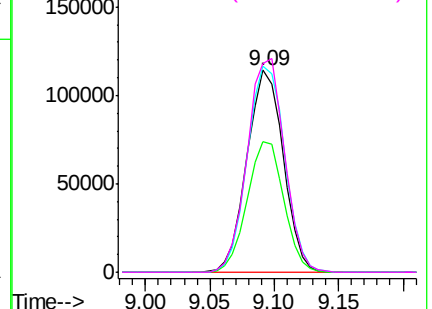


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 25.441 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.01 min

Lab File: VW016594.D

Acq: 21 Sep 2020 13:32

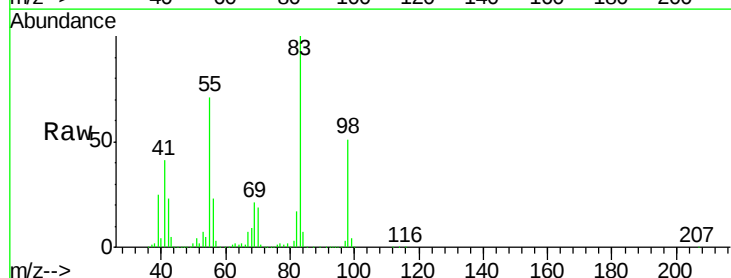
Tgt Ion: 83 Resp: 370801

Ion Ratio Lower Upper

83 100

55 70.3 55.9 83.9

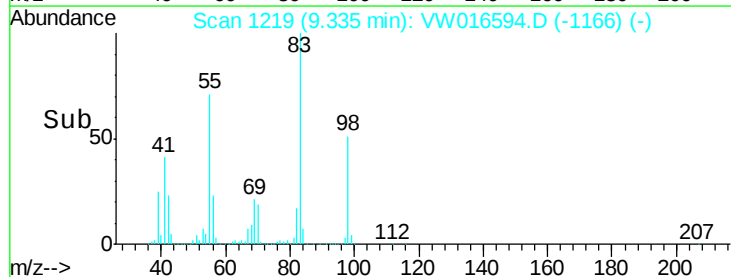
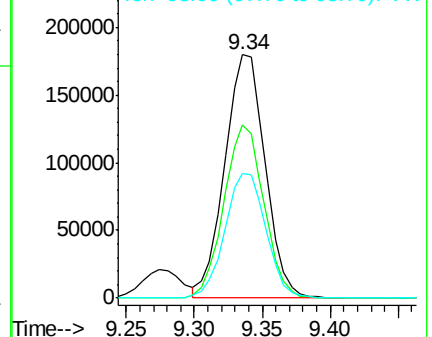
98 51.9 42.1 63.1

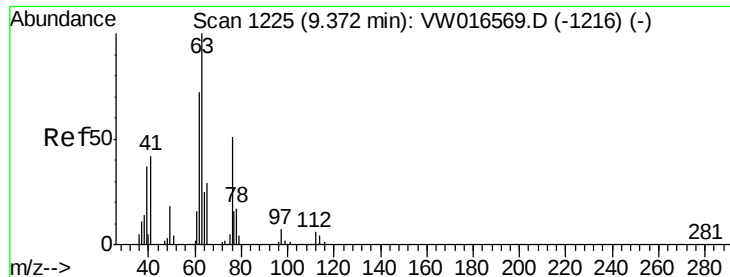


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

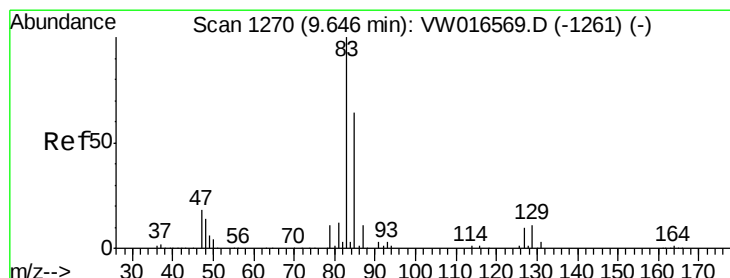
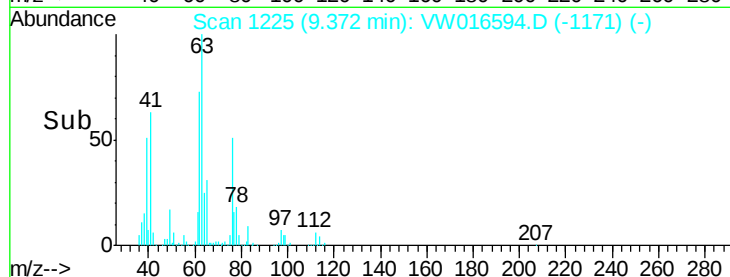
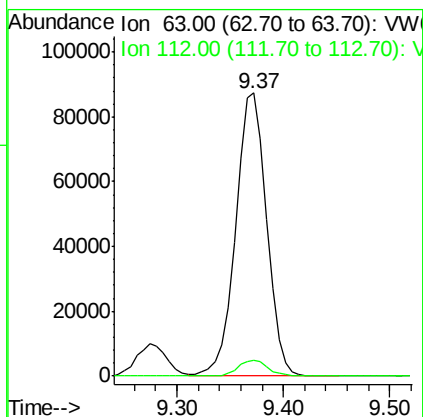
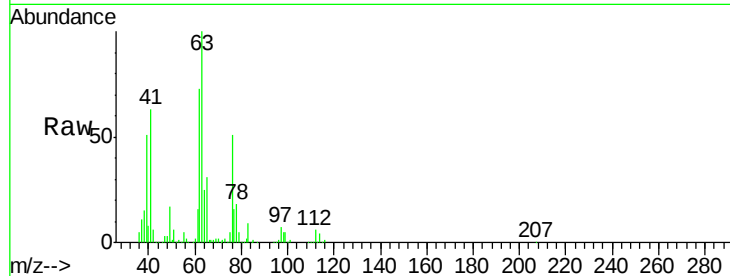




#40
 1,2-Dichloropropane
 Concen: 25.792 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW016594.D
 Acq: 21 Sep 2020 13:32

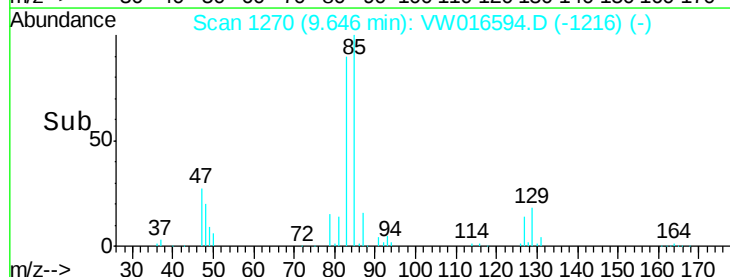
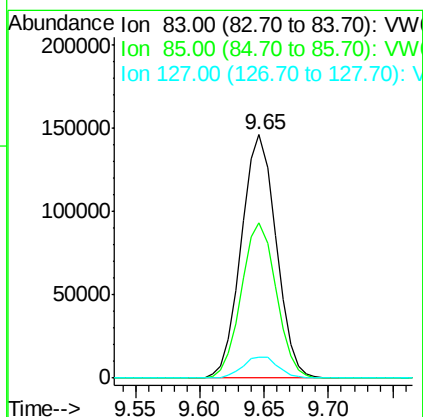
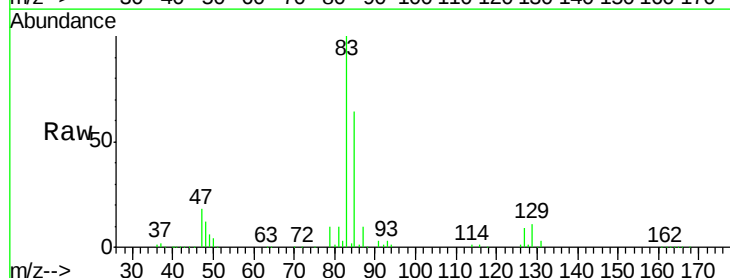
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

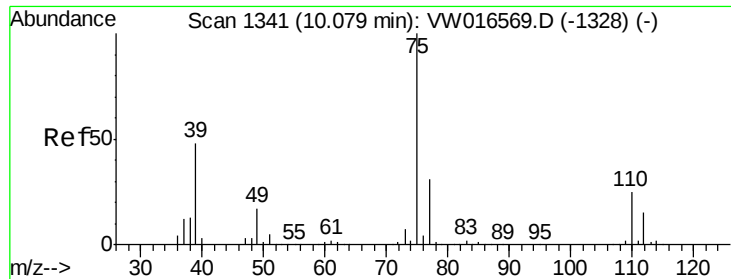
Tgt Ion: 63 Resp: 178156
 Ion Ratio Lower Upper
 63 100
 112 5.5 4.5 6.7



#41
 Bromodichloromethane
 Concen: 26.784 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW016594.D
 Acq: 21 Sep 2020 13:32

Tgt Ion: 83 Resp: 274162
 Ion Ratio Lower Upper
 83 100
 85 63.6 46.8 86.8
 127 8.7 6.8 10.2

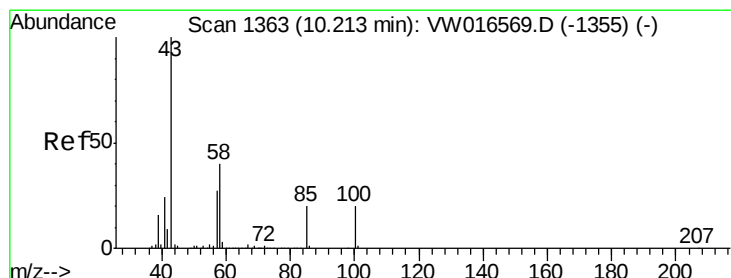
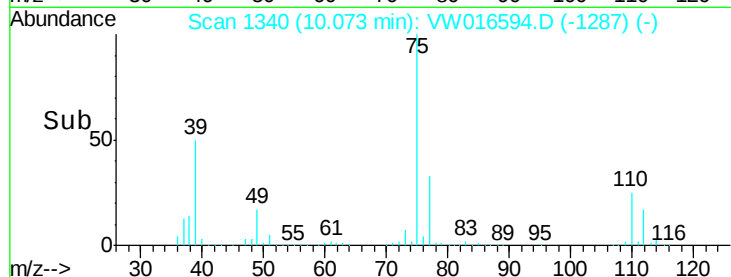
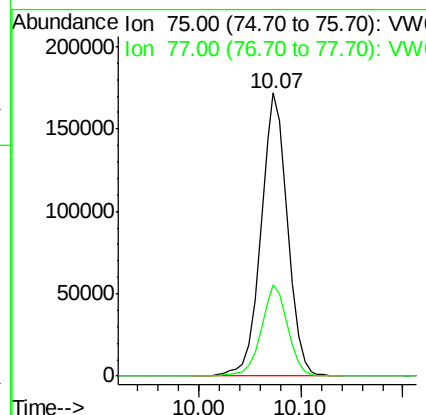
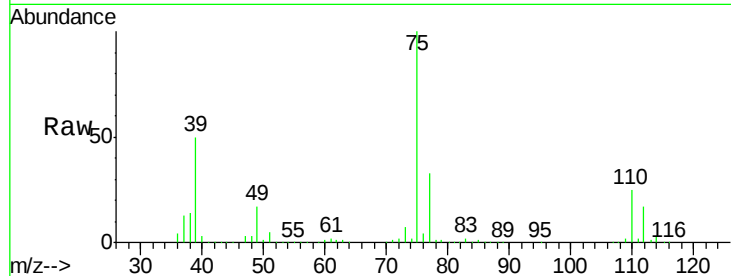




#42
 cis-1,3-Dichloropropene
 Concen: 26.366 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.01 min
 Lab File: VW016594.D
 Acq: 21 Sep 2020 13:32

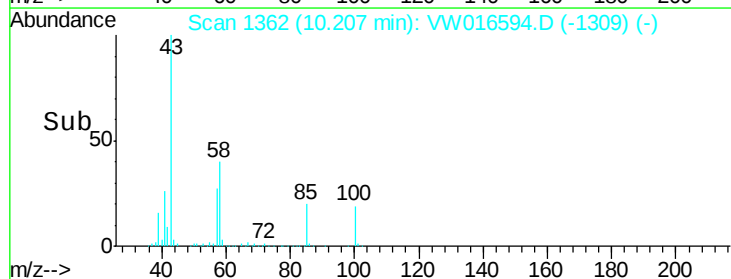
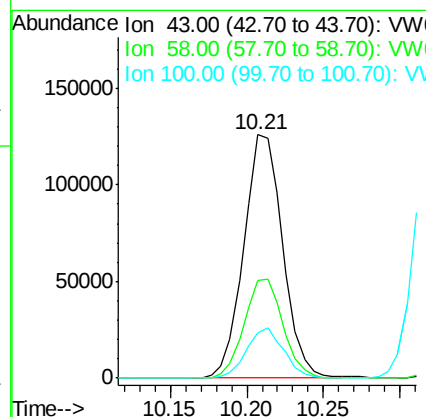
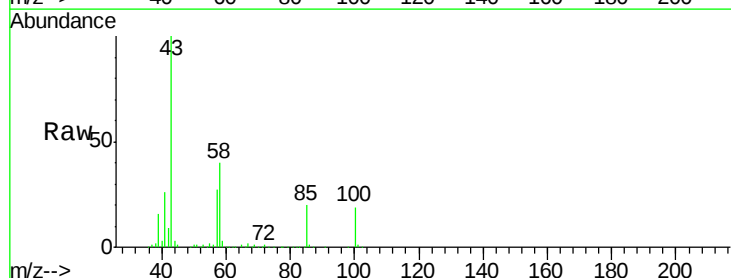
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

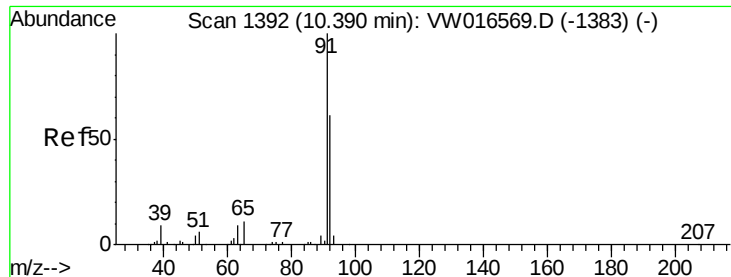
Tgt Ion: 75 Resp: 311079
 Ion Ratio Lower Upper
 75 100
 77 32.5 22.2 41.2



#43
 4-Methyl-2-pentanone
 Concen: 50.628 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.01 min
 Lab File: VW016594.D
 Acq: 21 Sep 2020 13:32

Tgt Ion: 43 Resp: 222187
 Ion Ratio Lower Upper
 43 100
 58 40.6 32.2 48.4
 100 19.7 15.8 23.6





#44

Toluene

Concen: 26.425 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW016594.D

Acq: 21 Sep 2020 13:32

Instrument :

MSVOA_W

ClientSampleId :

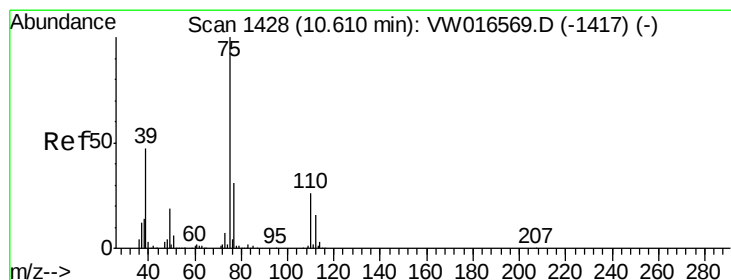
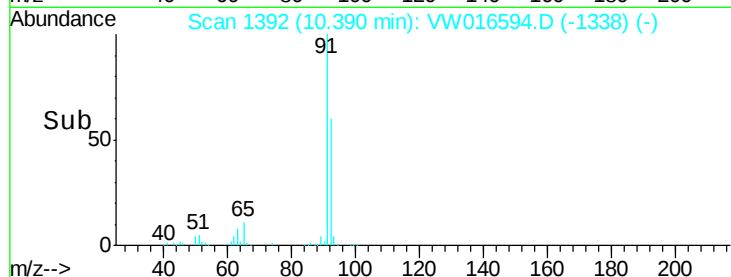
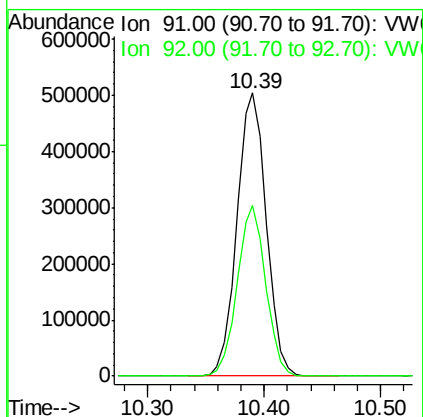
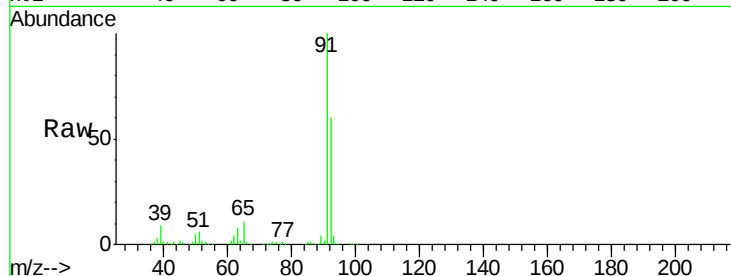
VSTD02525

Tgt Ion: 91 Resp: 882491

Ion Ratio Lower Upper

91 100

92 60.3 39.6 73.6



#45

trans-1,3-Dichloropropene

Concen: 26.723 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW016594.D

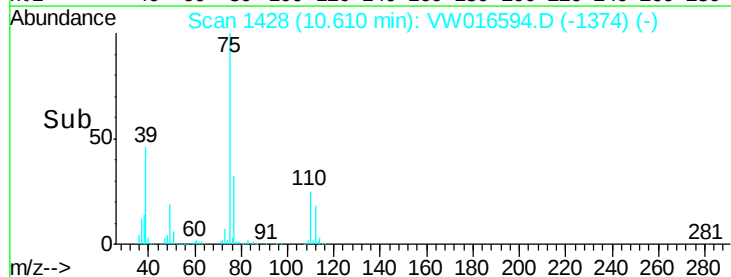
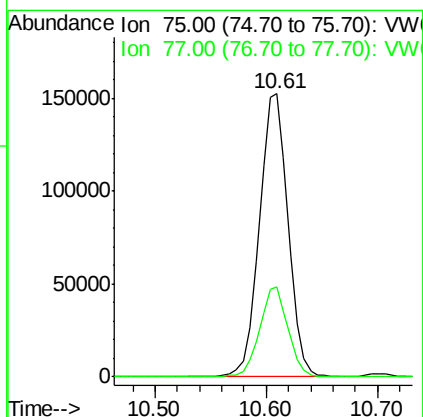
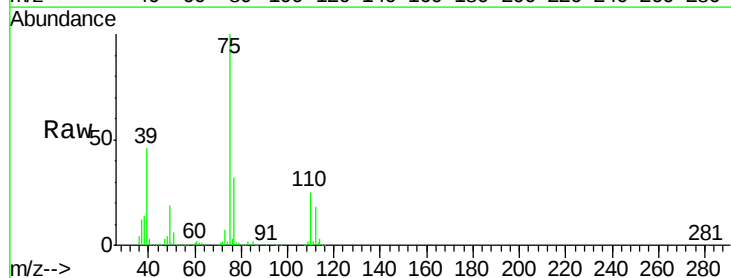
Acq: 21 Sep 2020 13:32

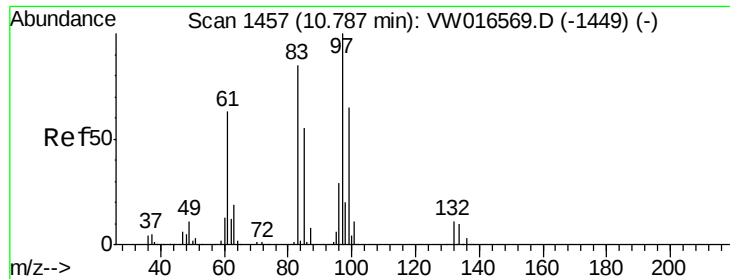
Tgt Ion: 75 Resp: 274326

Ion Ratio Lower Upper

75 100

77 32.0 22.5 41.9





#46

1,1,2-Trichloroethane

Concen: 26.025 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW016594.D

Acq: 21 Sep 2020 13:32

Instrument :

MSVOA_W

ClientSampleId :

VSTD02525

Tgt Ion: 97 Resp: 151445

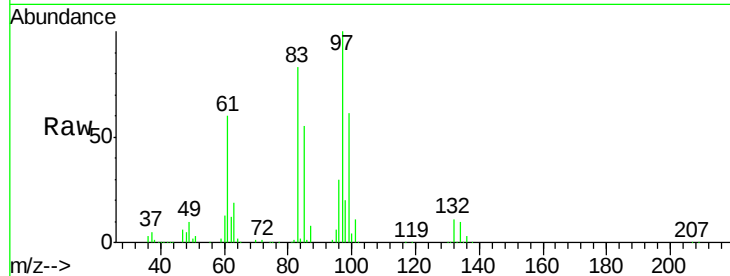
Ion Ratio Lower Upper

97 100

83 83.0 55.7 103.5

85 54.7 36.8 68.4

99 60.5 43.7 81.1

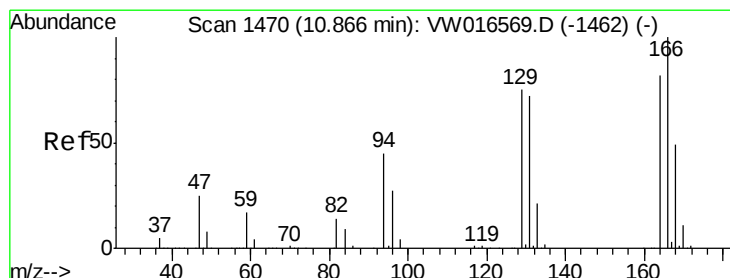
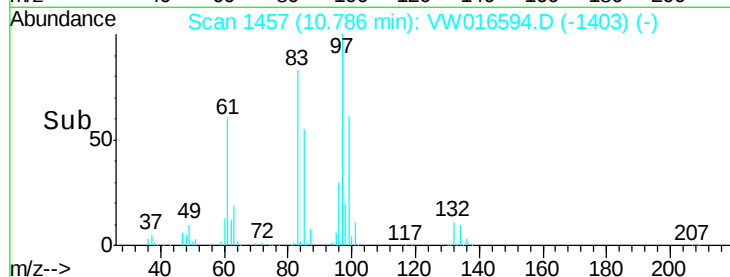
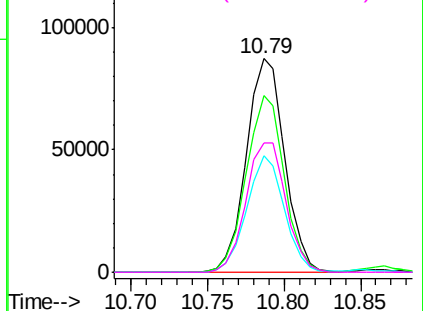


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 25.472 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW016594.D

Acq: 21 Sep 2020 13:32

Tgt Ion: 164 Resp: 197640

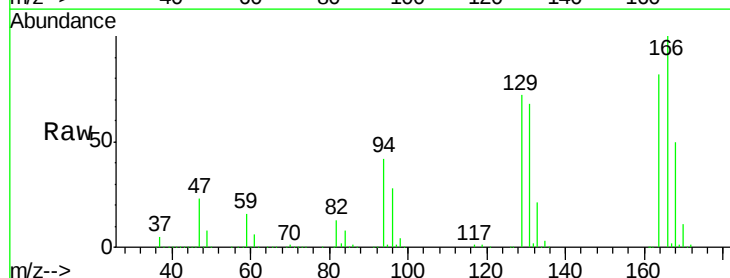
Ion Ratio Lower Upper

164 100

129 88.5 55.6 103.2

131 83.9 57.2 106.2

166 122.5 86.5 160.6

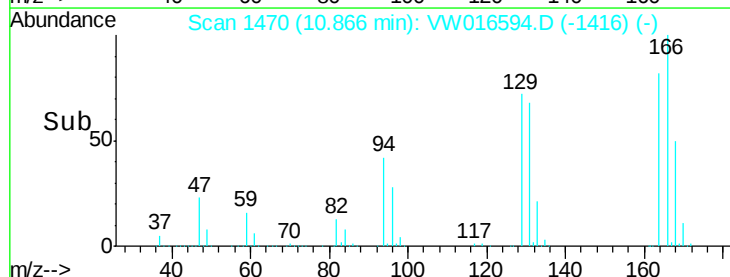
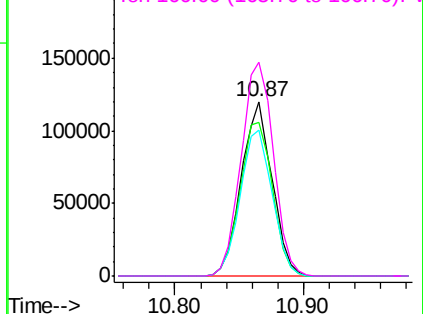


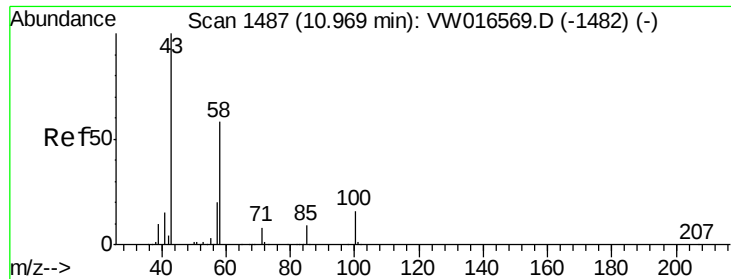
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#49

2-Hexanone

Concen: 53.487 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW016594.D

Acq: 21 Sep 2020 13:32

Instrument :

MSVOA_W

ClientSampleId :

VSTD02525

Tgt Ion: 43 Resp: 148974

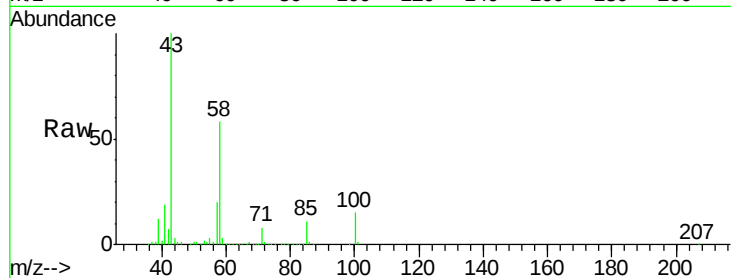
Ion Ratio Lower Upper

43 100

58 57.2 44.2 66.2

57 20.1 16.3 24.5

100 15.2 12.4 18.6

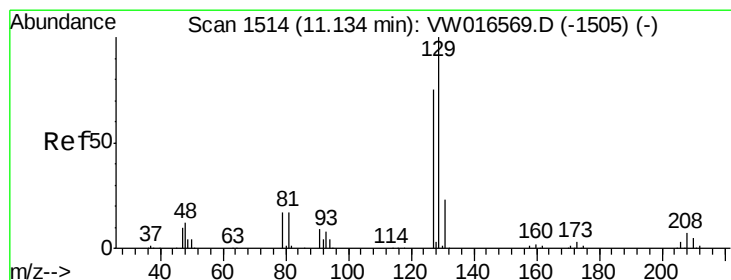
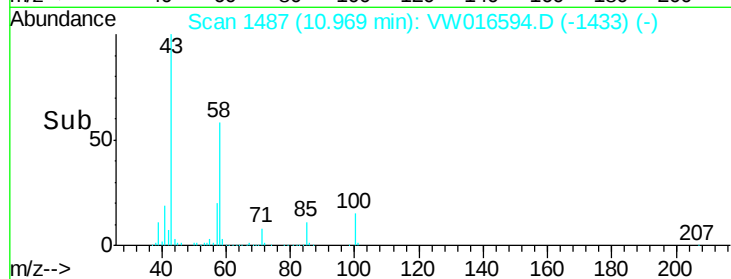
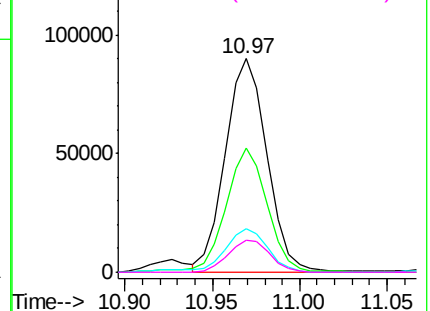


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 26.989 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.01 min

Lab File: VW016594.D

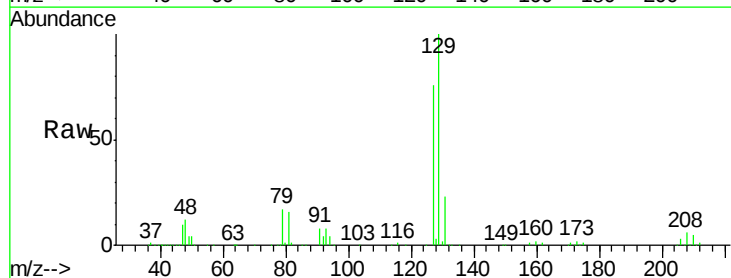
Acq: 21 Sep 2020 13:32

Tgt Ion: 129 Resp: 205051

Ion Ratio Lower Upper

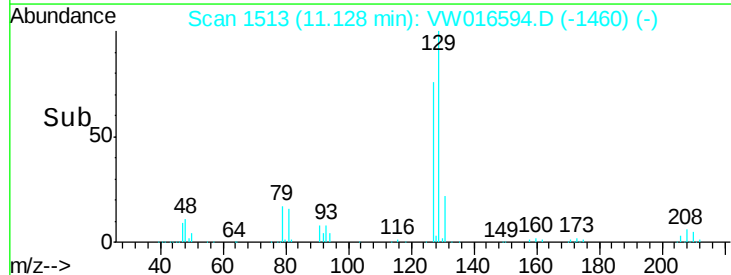
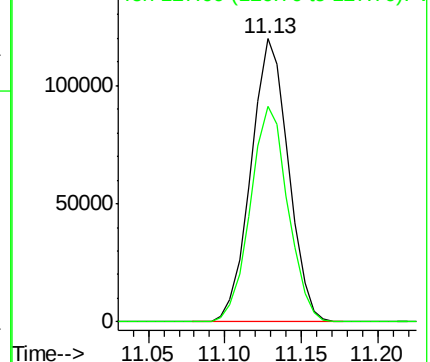
129 100

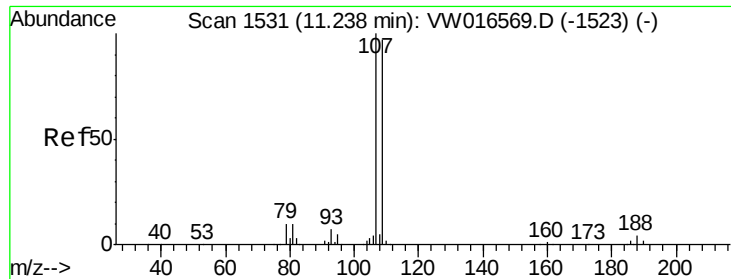
127 76.0 52.4 97.4



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

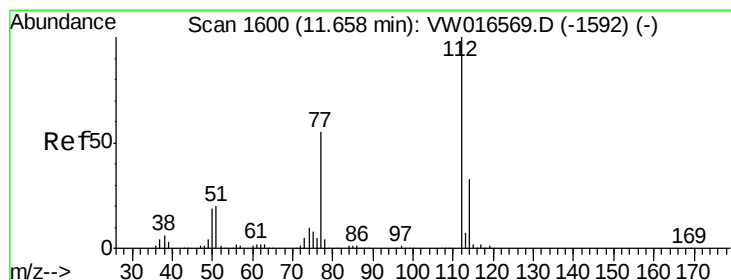
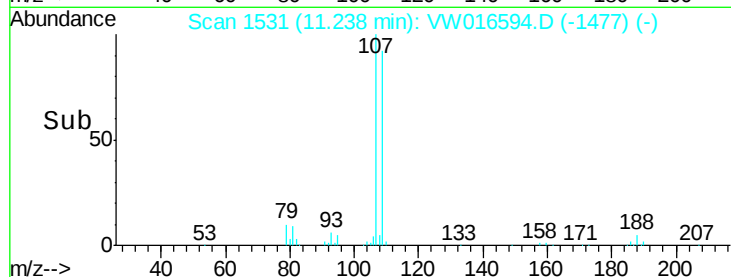
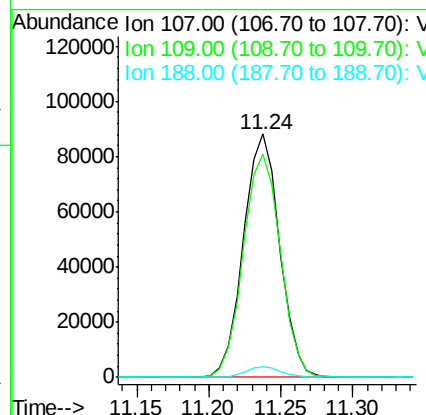
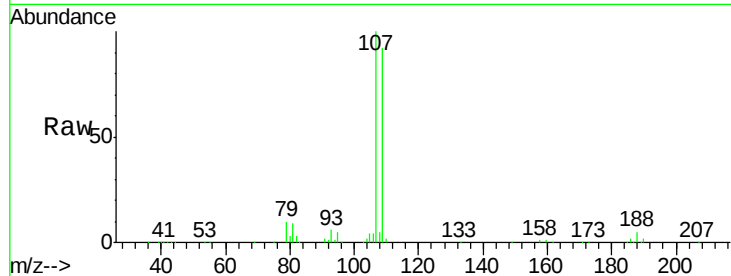




#51
 1,2-Dibromoethane
 Concen: 26.355 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW016594.D
 Acq: 21 Sep 2020 13:32

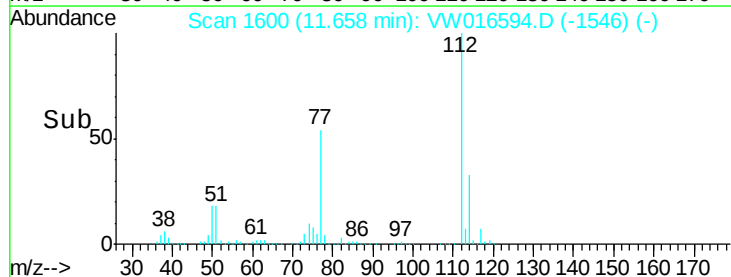
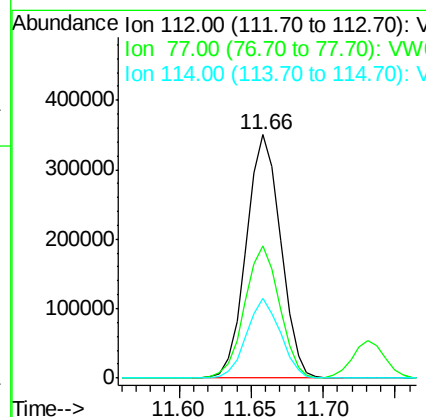
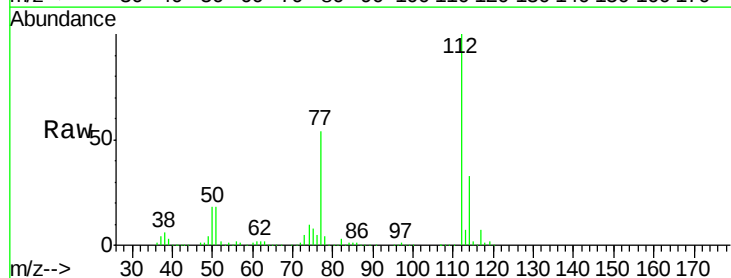
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

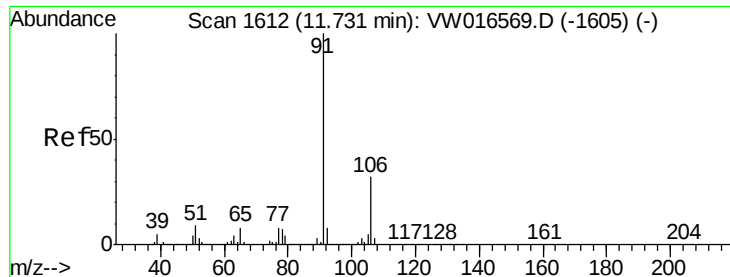
Tgt Ion:107 Resp: 153553
 Ion Ratio Lower Upper
 107 100
 109 91.7 63.0 117.0
 188 4.5 3.1 4.7



#52
 Chlorobenzene
 Concen: 25.768 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW016594.D
 Acq: 21 Sep 2020 13:32

Tgt Ion:112 Resp: 578031
 Ion Ratio Lower Upper
 112 100
 77 54.3 43.1 64.7
 114 32.9 22.3 41.3

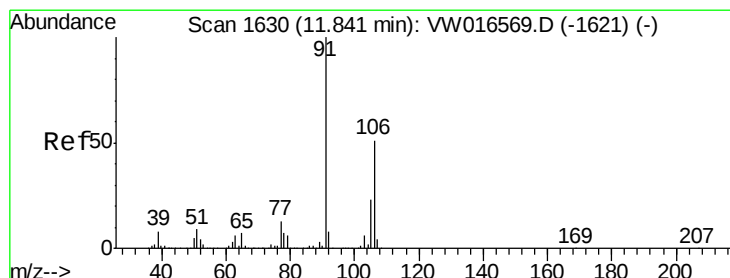
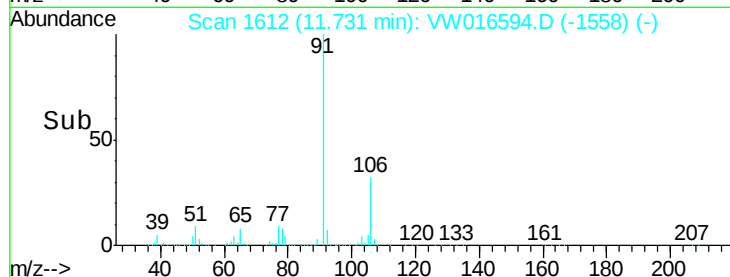
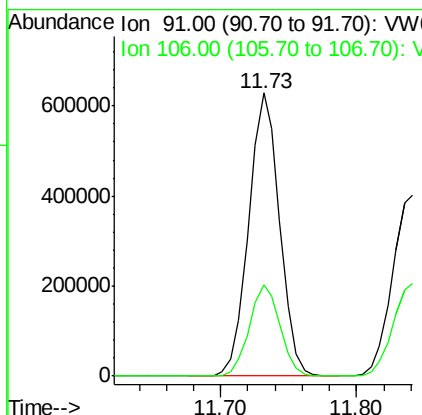
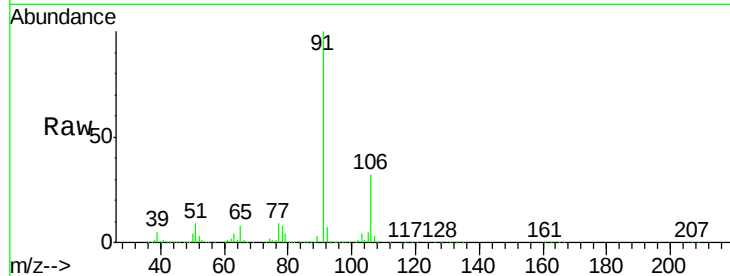




#53
Ethylbenzene
Concen: 26.338 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW016594.D
Acq: 21 Sep 2020 13:32

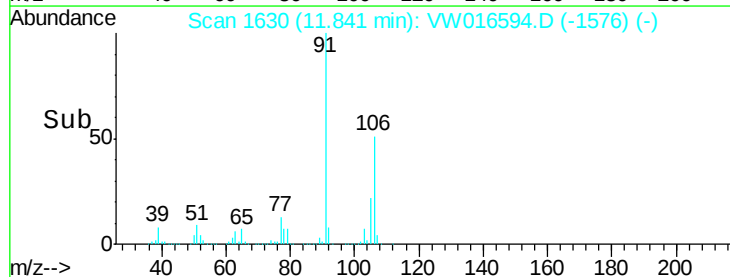
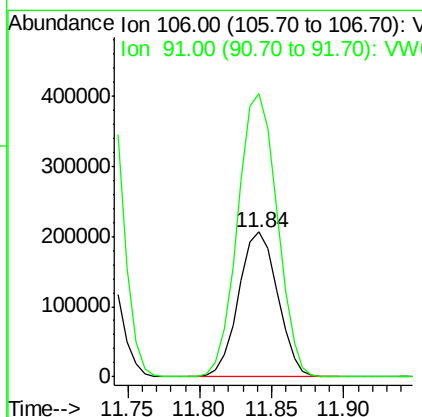
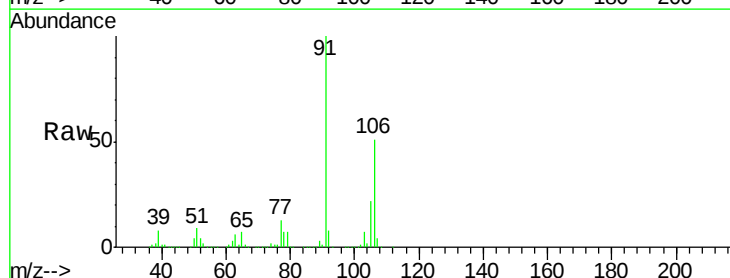
Instrument :
MSVOA_W
ClientSampleId :
VSTD02525

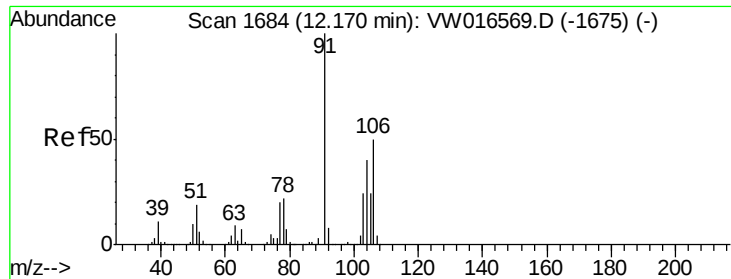
Tgt Ion: 91 Resp: 998617
Ion Ratio Lower Upper
91 100
106 32.1 20.7 38.5



#54
m,p-Xylene
Concen: 26.155 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW016594.D
Acq: 21 Sep 2020 13:32

Tgt Ion: 106 Resp: 388316
Ion Ratio Lower Upper
106 100
91 195.1 139.7 259.5

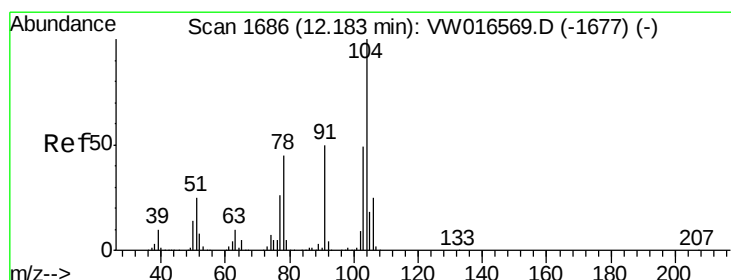
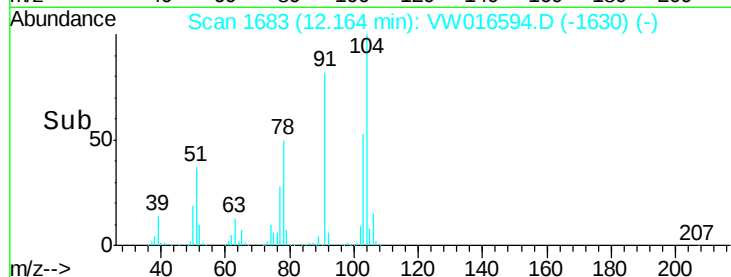
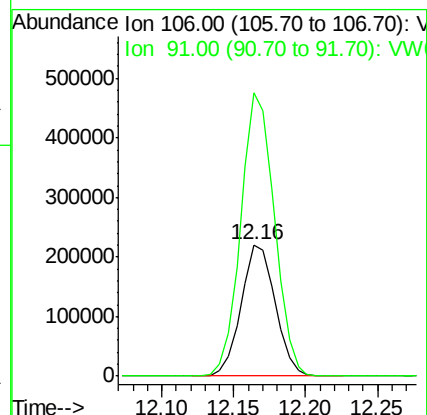
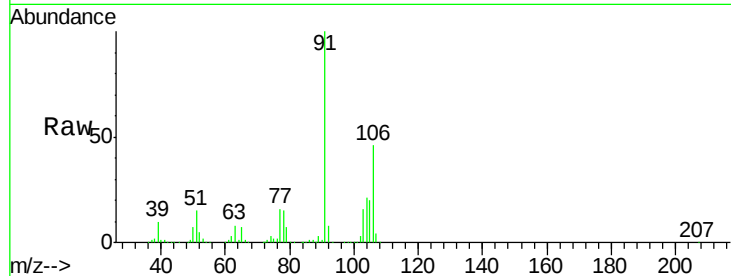




#55
o-xylene
Concen: 25.314 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW016594.D
Acq: 21 Sep 2020 13:32

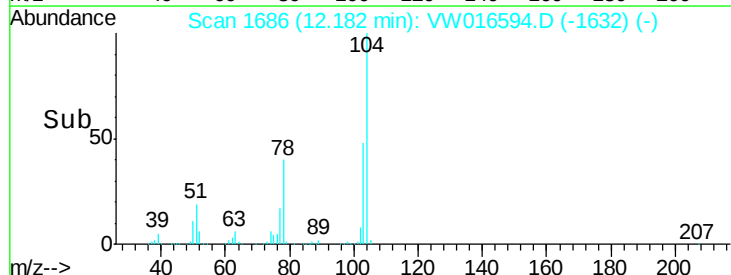
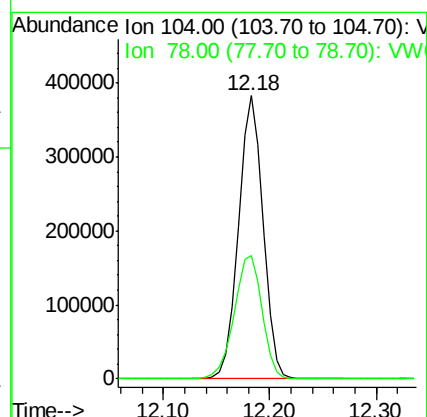
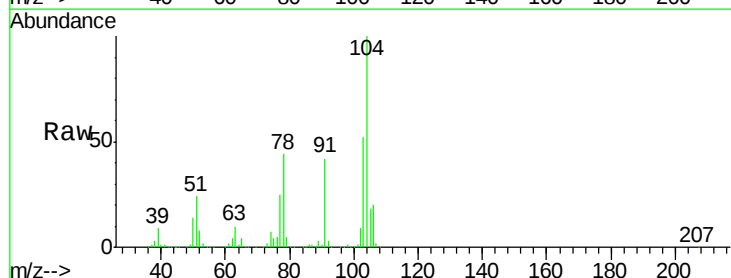
Instrument :
MSVOA_W
ClientSampleId :
VSTD02525

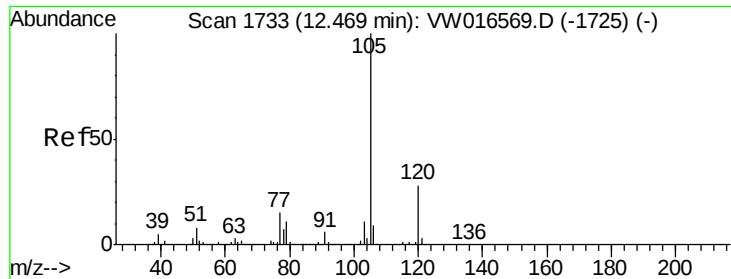
Tgt Ion:106 Resp: 360053
Ion Ratio Lower Upper
106 100
91 215.9 144.8 268.8



#56
Styrene
Concen: 26.235 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW016594.D
Acq: 21 Sep 2020 13:32

Tgt Ion:104 Resp: 619644
Ion Ratio Lower Upper
104 100
78 43.8 31.4 58.2





#57

Isopropylbenzene

Concen: 25.762 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW016594.D

Acq: 21 Sep 2020 13:32

Instrument :

MSVOA_W

ClientSampleId :

VSTD02525

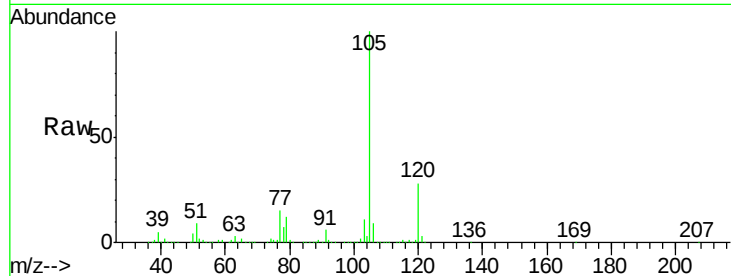
Tgt Ion: 105 Resp: 1001253

Ion Ratio Lower Upper

105 100

120 28.0 21.8 32.8

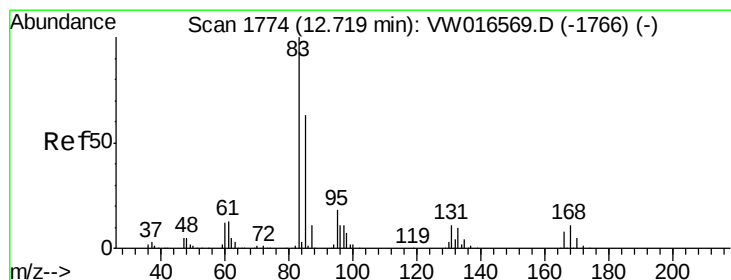
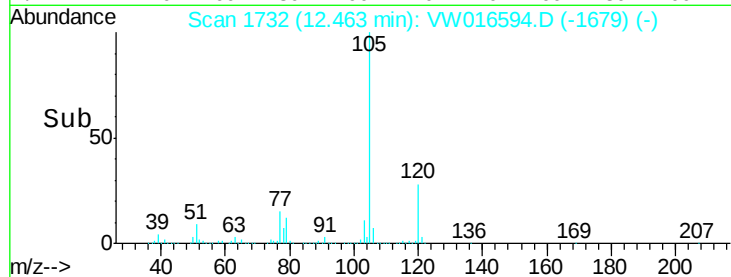
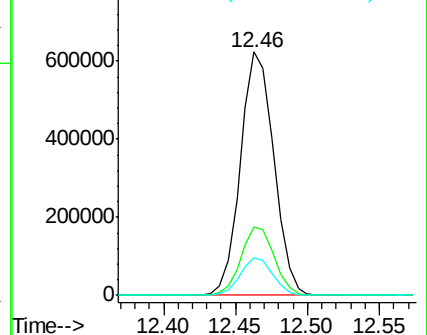
77 15.2 12.2 18.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 26.414 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW016594.D

Acq: 21 Sep 2020 13:32

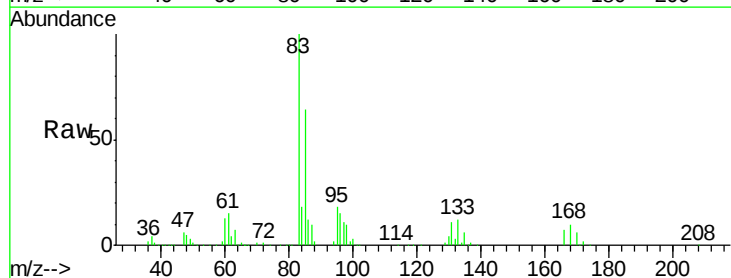
Tgt Ion: 83 Resp: 171888

Ion Ratio Lower Upper

83 100

85 63.7 46.0 85.4

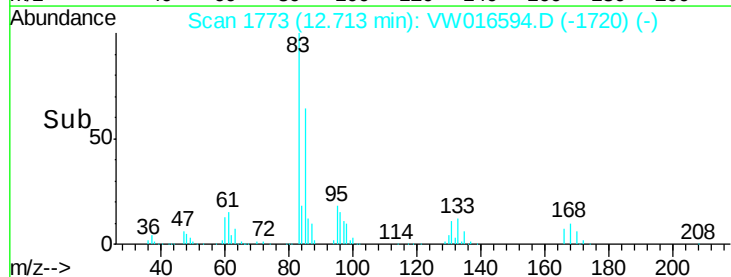
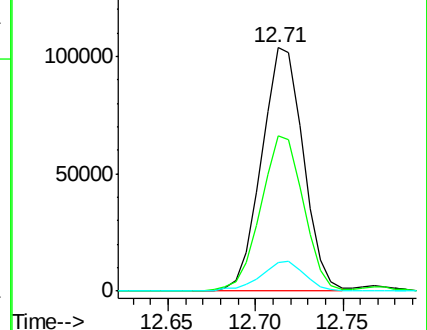
131 11.5 9.0 13.6

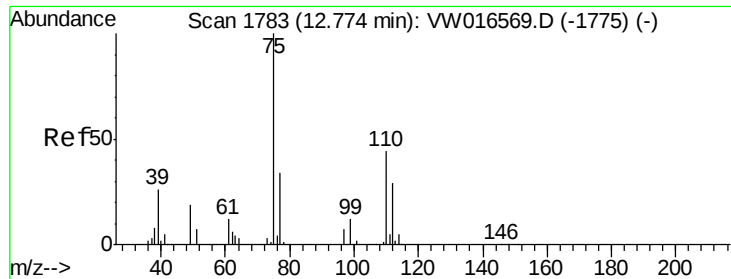


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 26.091 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.01 min

Lab File: VW016594.D

Acq: 21 Sep 2020 13:32

Instrument :

MSVOA_W

ClientSampleId :

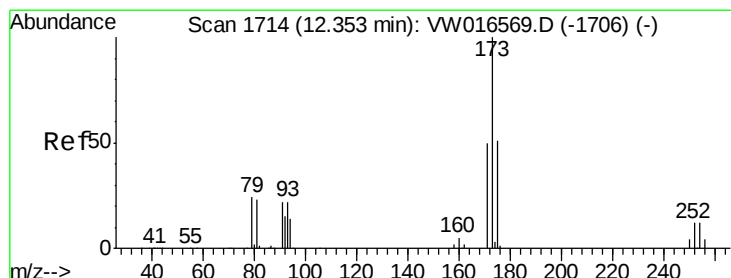
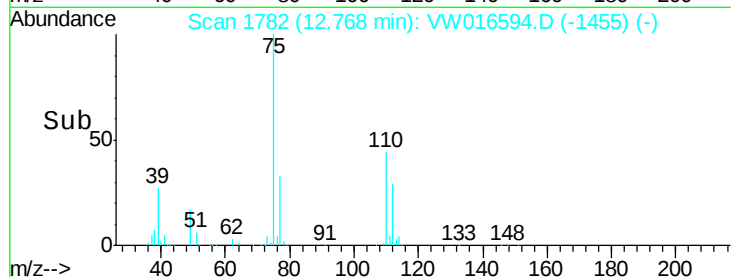
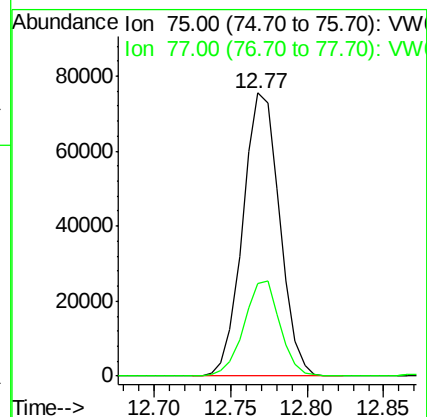
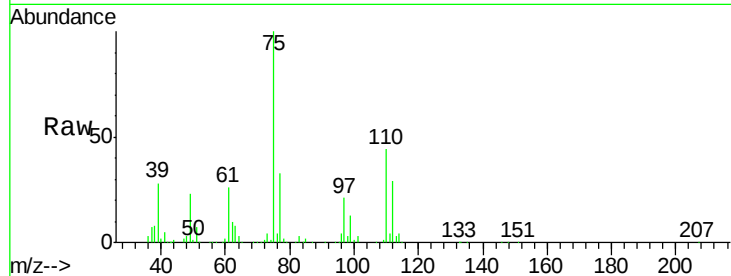
VSTD02525

Tgt Ion: 75 Resp: 126461

Ion Ratio Lower Upper

75 100

77 32.9 26.2 39.4



#62

Bromoform

Concen: 25.819 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW016594.D

Acq: 21 Sep 2020 13:32

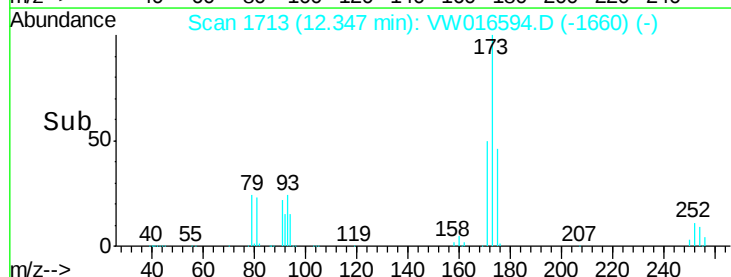
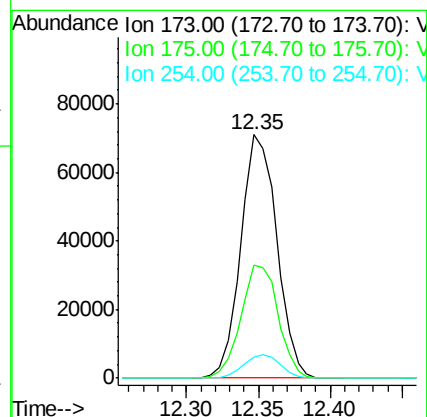
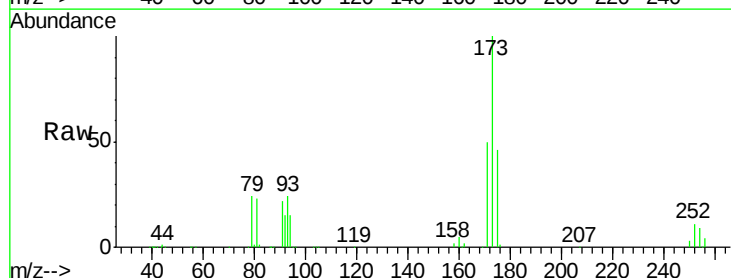
Tgt Ion: 173 Resp: 123424

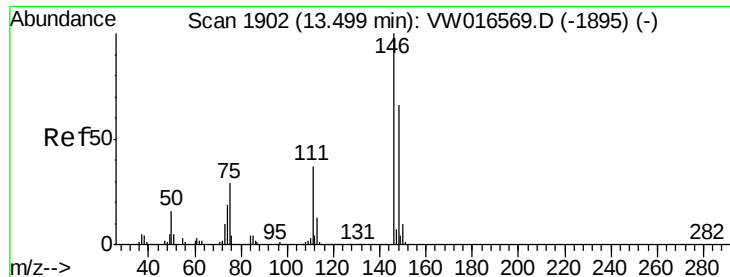
Ion Ratio Lower Upper

173 100

175 47.9 38.6 57.8

254 9.9 8.2 12.4

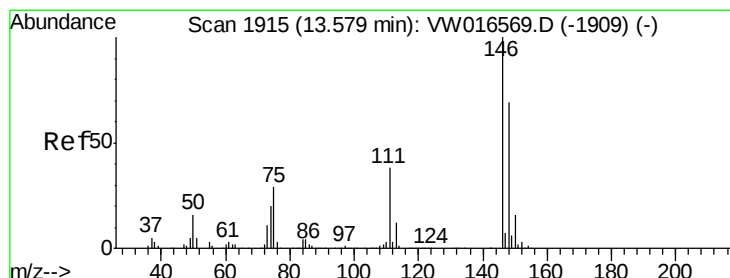
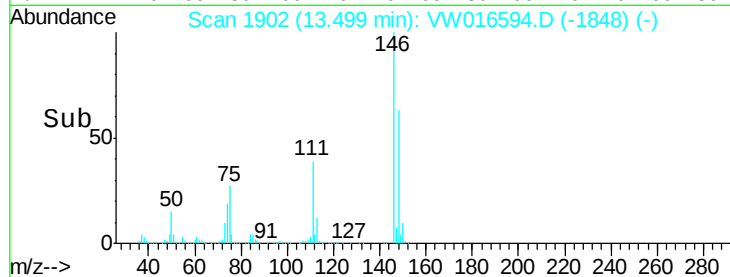
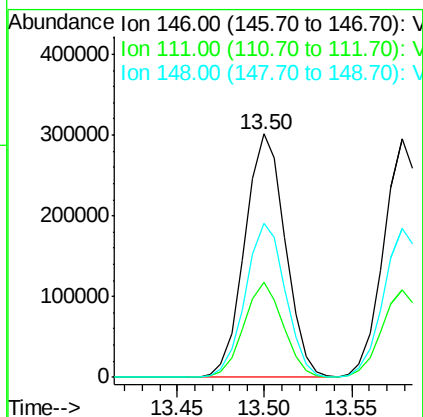
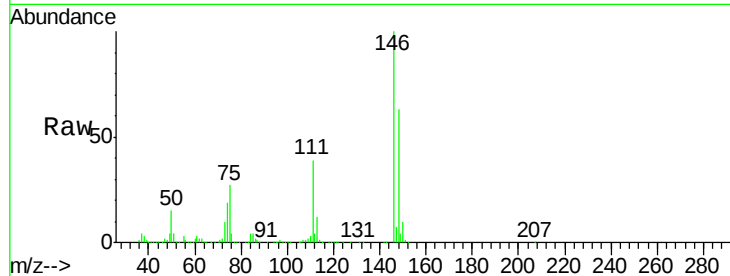




#63
 1,3-Dichlorobenzene
 Concen: 26.280 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW016594.D
 Acq: 21 Sep 2020 13:32

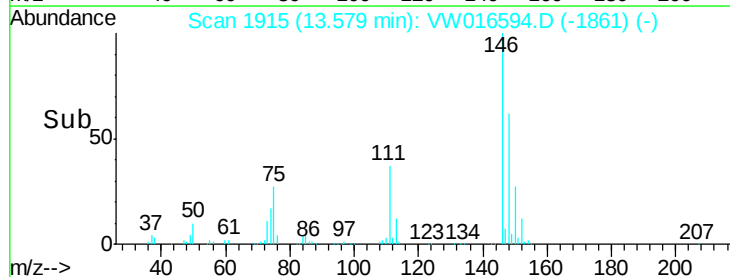
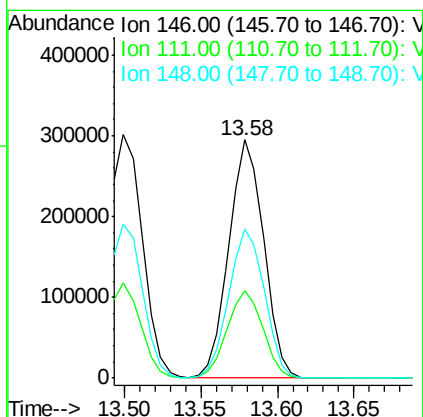
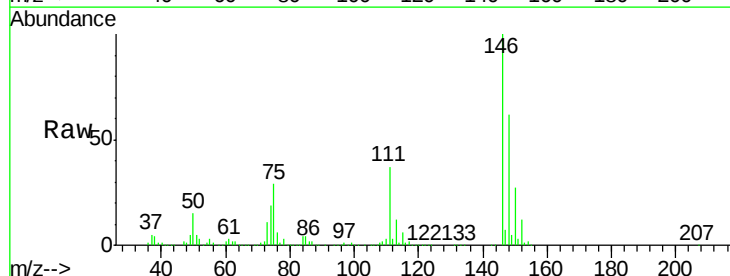
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

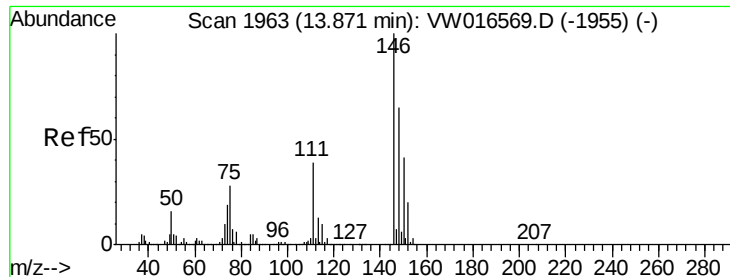
Tgt Ion:146 Resp: 484444
 Ion Ratio Lower Upper
 146 100
 111 38.9 25.0 46.4
 148 63.0 44.0 81.8



#64
 1,4-Dichlorobenzene
 Concen: 25.899 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW016594.D
 Acq: 21 Sep 2020 13:32

Tgt Ion:146 Resp: 467561
 Ion Ratio Lower Upper
 146 100
 111 36.7 25.1 46.5
 148 62.3 42.3 78.5

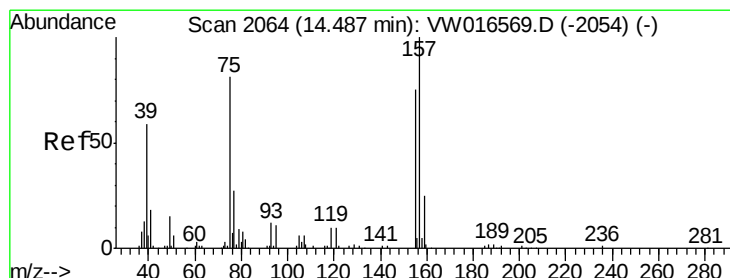
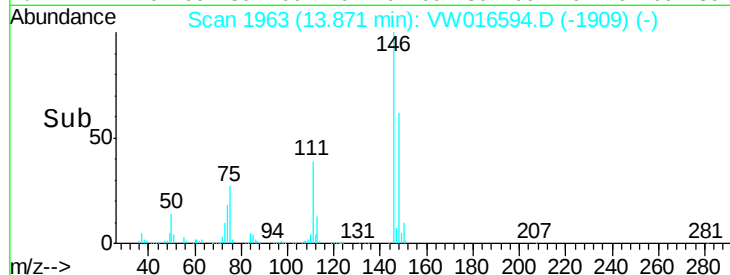
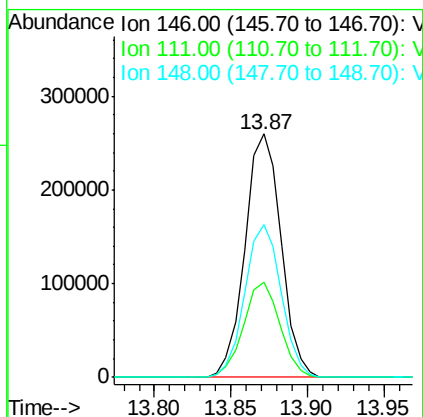
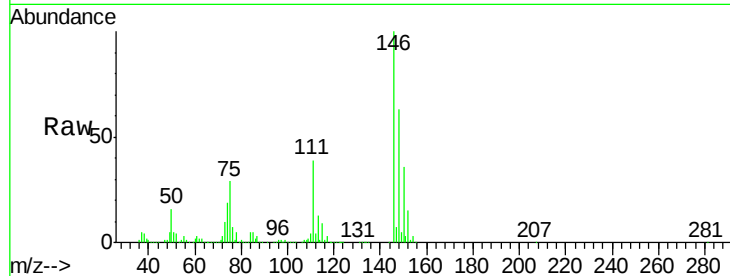




#65
 1,2-Dichlorobenzene
 Concen: 25.864 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW016594.D
 Acq: 21 Sep 2020 13:32

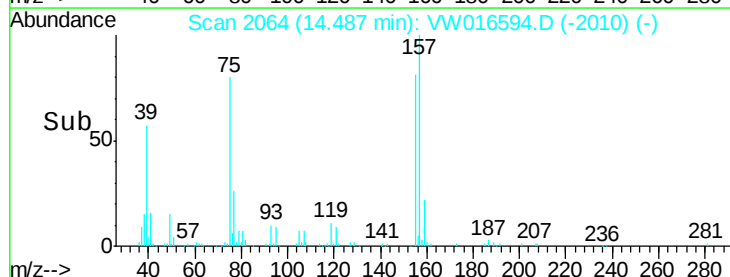
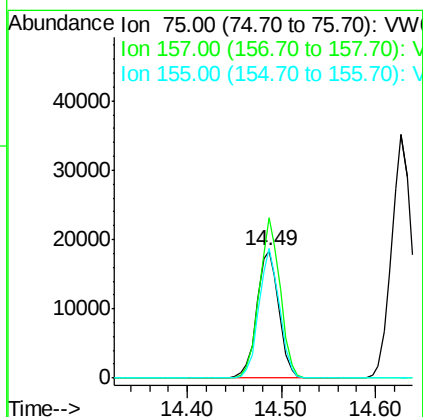
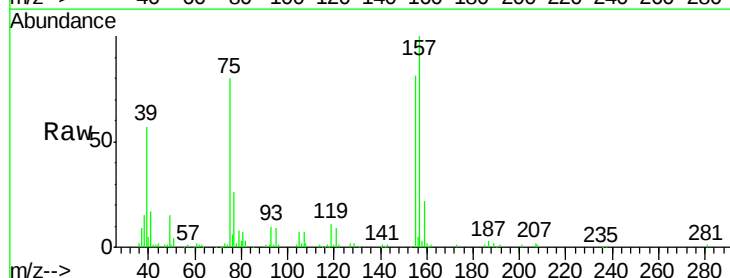
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

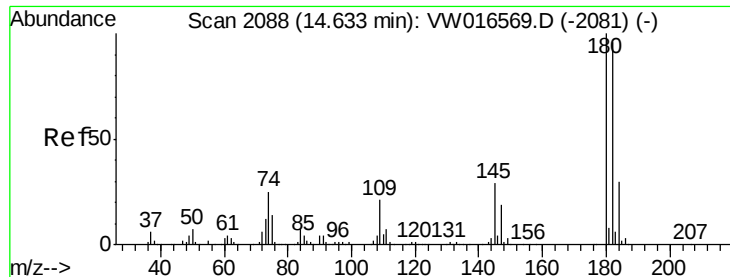
Tgt Ion: 146 Resp: 426024
 Ion Ratio Lower Upper
 146 100
 111 39.3 31.4 47.0
 148 62.5 49.3 73.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 25.673 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW016594.D
 Acq: 21 Sep 2020 13:32

Tgt Ion: 75 Resp: 30312
 Ion Ratio Lower Upper
 75 100
 157 125.6 92.2 138.4
 155 101.7 73.5 110.3

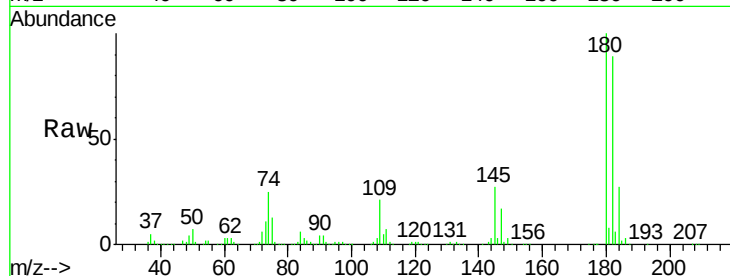




#67
 1,3,5-Trichlorobenzene
 Concen: 25.915 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW016594.D
 Acq: 21 Sep 2020 13:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.4	73.8	110.8
184	29.9	23.7	35.5
145	28.8	22.8	34.2

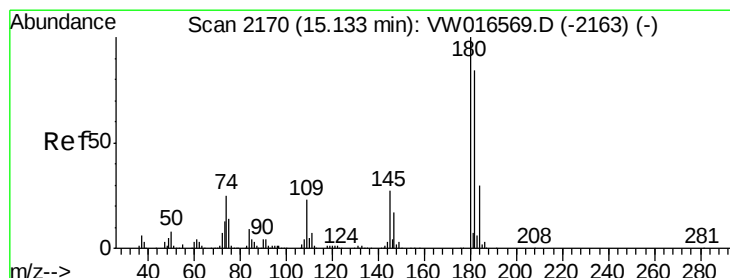
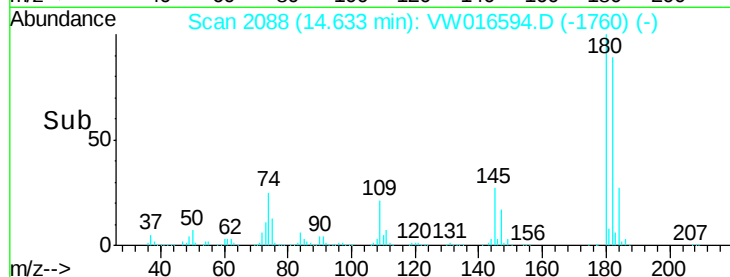
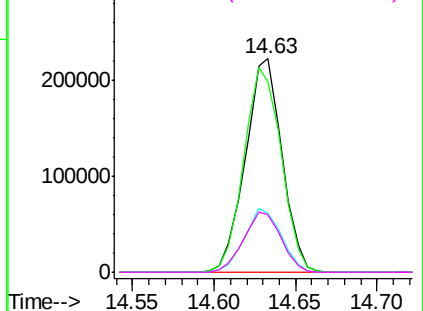


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

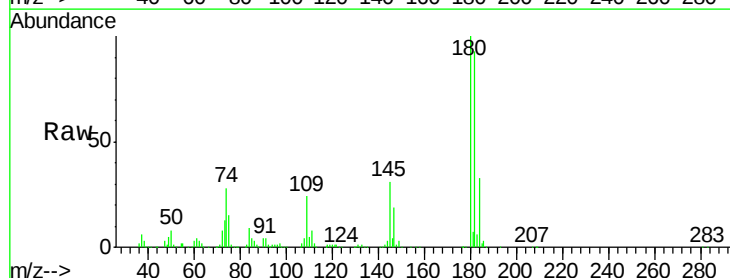
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 27.159 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW016594.D
 Acq: 21 Sep 2020 13:32

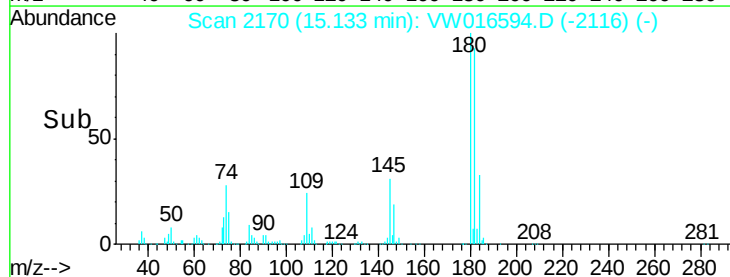
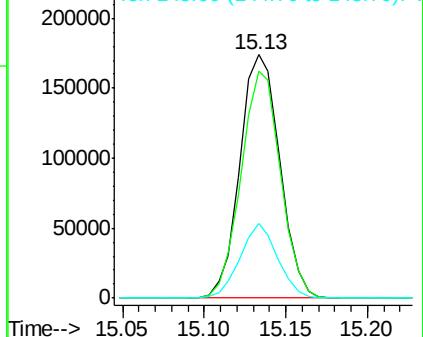
Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.2	74.5	111.7
145	28.7	23.1	34.7

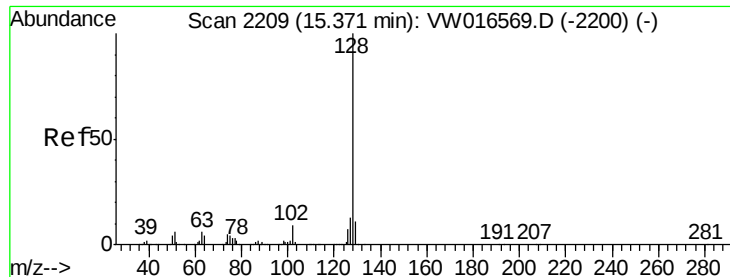


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 27.043 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW016594.D

Acq: 21 Sep 2020 13:32

Instrument :

MSVOA_W

ClientSampleId :

VSTD02525

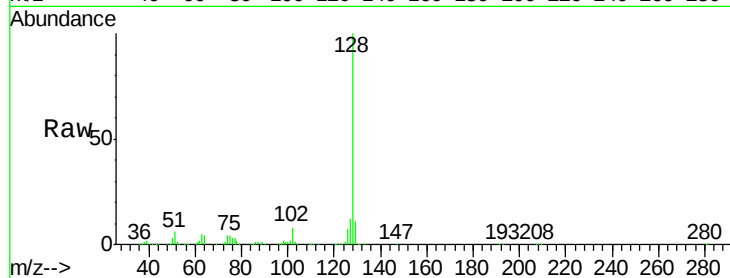
Tgt Ion:128 Resp: 522839

Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

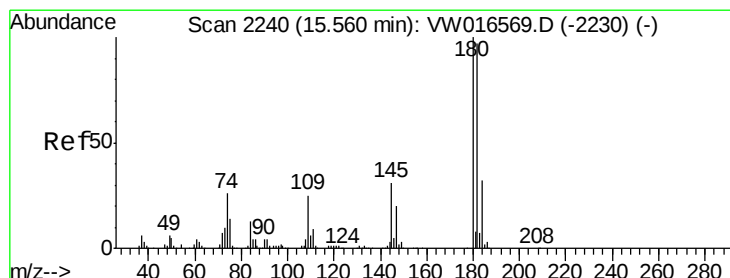
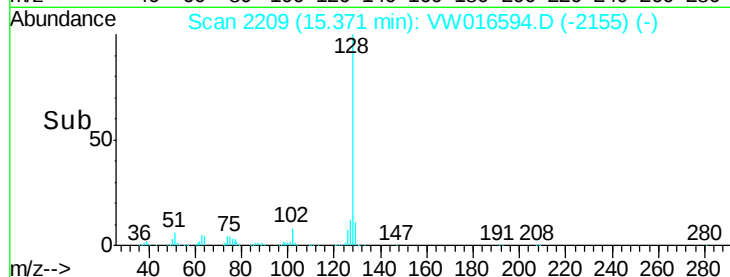
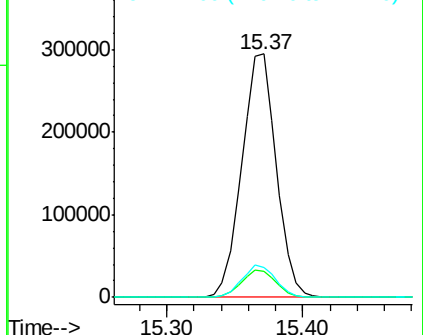
127 13.2 10.8 16.2



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: 26.125 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW016594.D

Acq: 21 Sep 2020 13:32

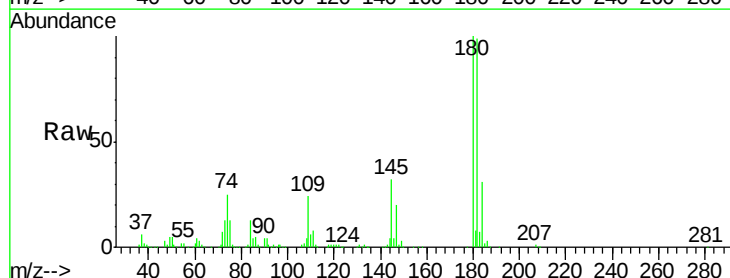
Tgt Ion:180 Resp: 245052

Ion Ratio Lower Upper

180 100

182 97.4 76.3 114.5

145 31.5 24.1 36.1



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

