

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW093020\
 Data File : VW016723.D
 Acq On : 30 Sep 2020 19:37
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02514

Quant Time: Oct 01 05:08:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 01 05:05:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	567890	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	520158	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	260790	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.37	65	84510	15.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	61.48%
7) Chloroethane-d5	2.90	69	82420	18.36	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	73.44%
10) 1,1-Dichloroethene-d2	4.04	63	239312	19.47	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	77.88%
20) 2-Butanone-d5	7.09	46	63726	42.52	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.04%
24) Chloroform-d	7.66	84	289052	24.33	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.32%
26) 1,2-Dichloroethane-d4	8.31	65	139751	22.92	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.68%
29) Benzene-d6	8.28	84	471363	20.21	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	80.84%
33) 1,2-Dichloropropane-d6	9.28	67	143407	22.68	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	90.72%
37) Toluene-d8	10.33	98	436810	19.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	76.12%
38) trans-1,3-Dichloropropene-	10.58	79	63649	19.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	79.88%
39) 2-Hexanone-d5	10.93	63	53044	46.13	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.26%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	131006	24.35	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.40%
61) 1,2-Dichlorobenzene-d4	13.86	152	198447	23.82	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.28%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.03	85	175878	25.070	ug/L 99
3) Chloromethane	2.23	50	131090	25.537	ug/L 99
5) Vinyl chloride	2.38	62	199939	26.394	ug/L 97
6) Bromomethane	2.79	94	141972	24.700	ug/L 98
8) Chloroethane	2.94	64	118597	26.465	ug/L 98
9) Trichlorofluoromethane	3.28	101	181660	23.786	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.09	101	203463	27.808	ug/L 98
12) 1,1-Dichloroethene	4.06	96	197133	27.406	ug/L 88
13) Acetone	4.14	43	49684	42.322	ug/L 97
14) Carbon disulfide	4.40	76	526678	24.269	ug/L 100
15) Methyl Acetate	4.68	43	61067	22.844	ug/L 98
16) Methylene chloride	4.93	84	202827	23.157	ug/L 99
17) Methyl tert-butyl Ether	5.44	73	253838	25.764	ug/L 98
18) trans-1,2-Dichloroethene	5.43	96	208865	28.039	ug/L 98
19) 1,1-Dichloroethane	6.23	63	331421	28.134	ug/L 100
21) 2-Butanone	7.18	43	78783	39.446	ug/L 95
22) cis-1,2-Dichloroethene	7.18	96	221764	28.692	ug/L 98

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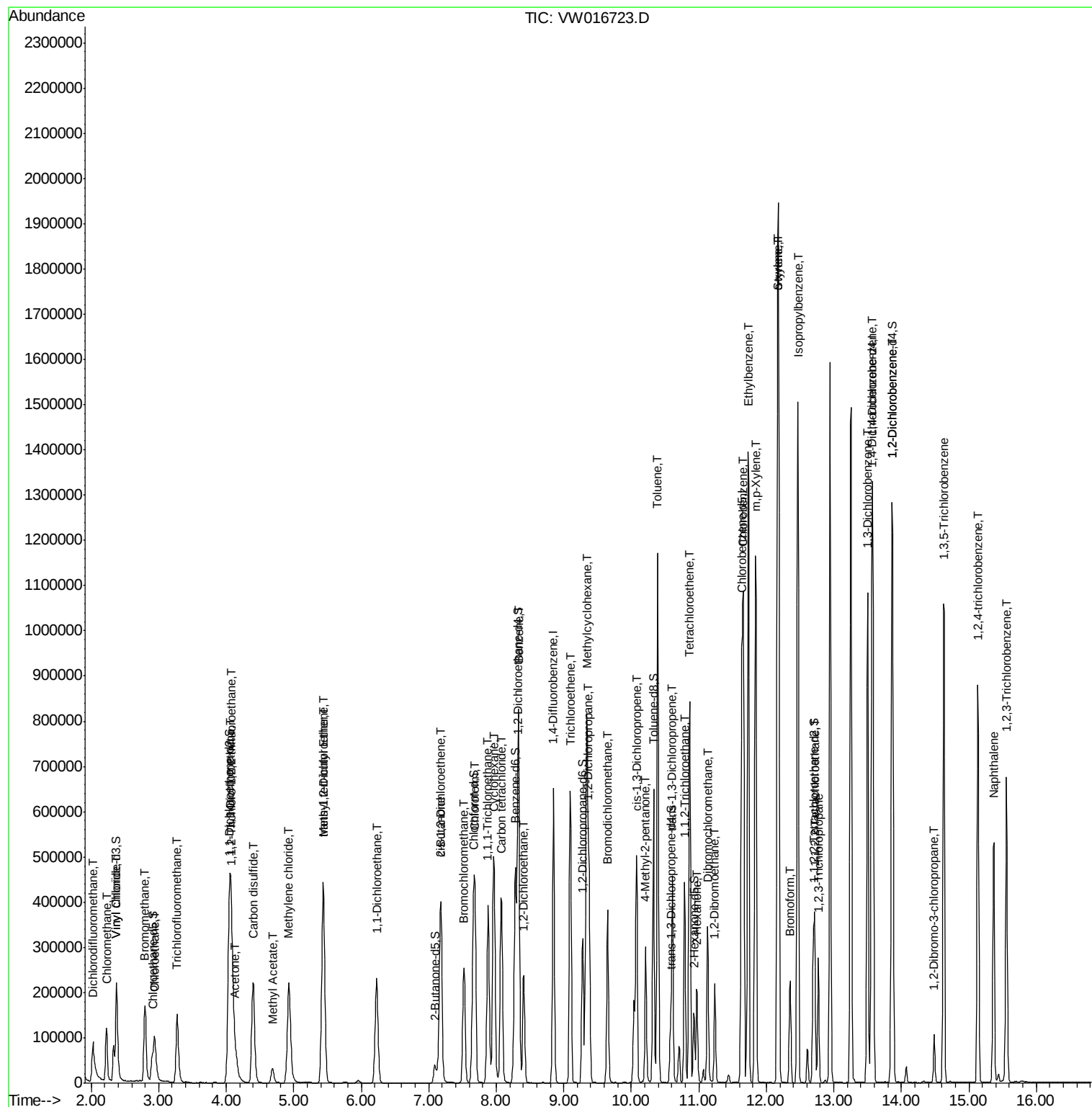
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	102427	27.259	ug/L	94
25) Chloroform	7.68	83	370565	28.852	ug/L	99
27) 1,2-Dichloroethane	8.41	62	223719	27.148	ug/L	100
30) Cyclohexane	7.96	56	286861	25.236	ug/L	98
31) 1,1,1-Trichloroethane	7.88	97	325964	26.832	ug/L	99
32) Carbon tetrachloride	8.07	117	322286	27.306	ug/L	98
34) Benzene	8.33	78	759914	27.257	ug/L	100
35) Trichloroethene	9.10	95	224670	27.853	ug/L	99
36) Methylcyclohexane	9.34	83	359917	26.306	ug/L	99
40) 1,2-Dichloropropane	9.37	63	174144	26.856	ug/L	99
41) Bromodichloromethane	9.65	83	258969	26.950	ug/L	97
42) cis-1,3-Dichloropropene	10.08	75	291231	26.294	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	179958	43.682	ug/L	97
44) Toluene	10.39	91	874696	27.901	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	246991	25.631	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	141193	25.847	ug/L	98
47) Tetrachloroethene	10.87	164	195278	26.810	ug/L	83
49) 2-Hexanone	10.97	43	120302	46.012	ug/L	96
50) Dibromochloromethane	11.13	129	191374	26.833	ug/L	99
51) 1,2-Dibromoethane	11.24	107	142524	26.058	ug/L	94
52) Chlorobenzene	11.66	112	591928	28.109	ug/L	98
53) Ethylbenzene	11.73	91	987786	27.752	ug/L	95
54) m,p-Xylene	11.84	106	392824	28.186	ug/L	97
55) o-xylene	12.17	106	372933	27.931	ug/L	92
56) Styrene	12.18	104	625955	28.232	ug/L	99
57) Isopropylbenzene	12.47	105	1036252	28.403	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	153983	25.207	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	112709	24.771	ug/L	99
62) Bromoform	12.35	173	104709	23.805	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	475609	28.039	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	459378	27.654	ug/L	95
65) 1,2-Dichlorobenzene	13.87	146	410035	27.053	ug/L	91
66) 1,2-Dibromo-3-chloropropan	14.49	75	24565	22.610	ug/L	88
67) 1,3,5-Trichlorobenzene	14.63	180	350213	28.230	ug/L	95
68) 1,2,4-trichlorobenzene	15.13	180	294066	29.302	ug/L	99
69) Naphthalene	15.37	128	482350	27.113	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	245891	28.489	ug/L	97

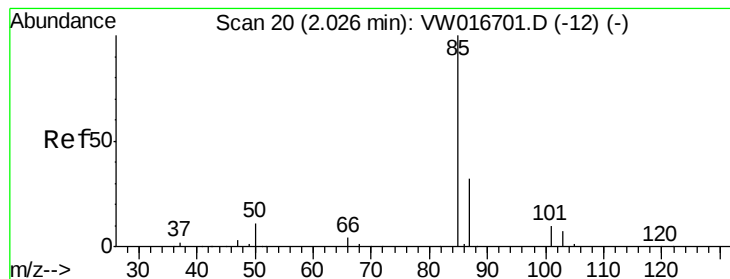
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 25.070 ug/L

RT: 2.03 min Scan# 20

Delta R.T. -0.00 min

Lab File: VW016723.D

Acq: 30 Sep 2020 19:37

Instrument :

MSVOA_W

ClientSampleId :

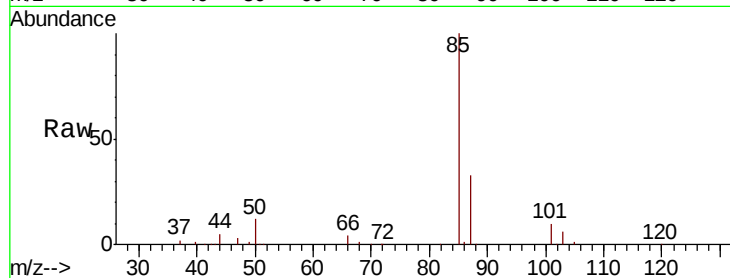
VSTD02514

Tot Ion: 85 Resp: 175878

Ion Ratio Lower Upper

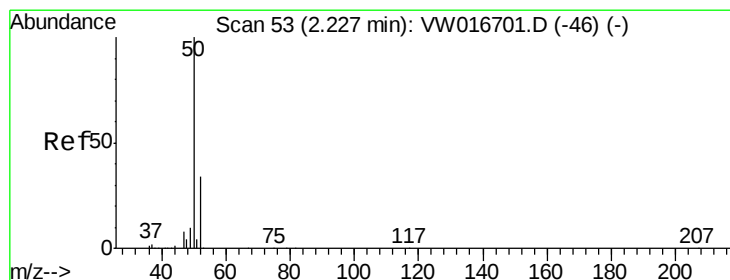
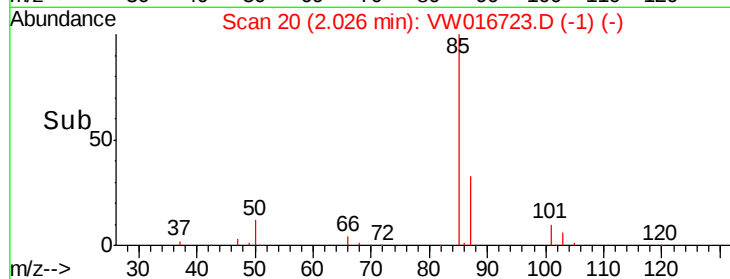
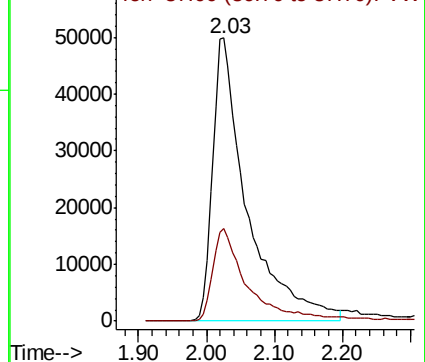
85 100

87 31.1 22.2 41.2



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 25.537 ug/L

RT: 2.23 min Scan# 53

Delta R.T. -0.00 min

Lab File: VW016723.D

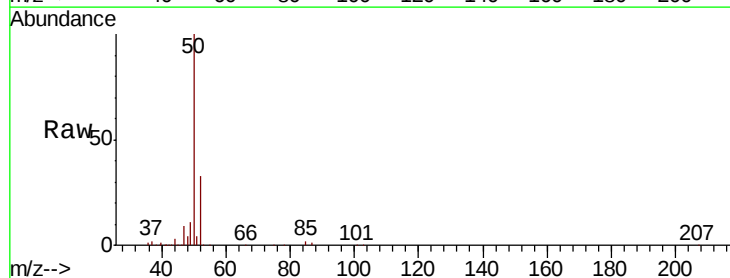
Acq: 30 Sep 2020 19:37

Tgt Ion: 50 Resp: 131090

Ion Ratio Lower Upper

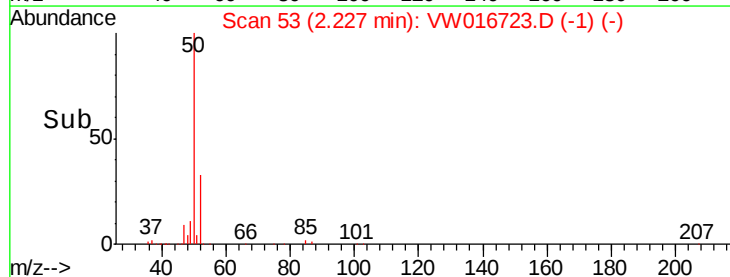
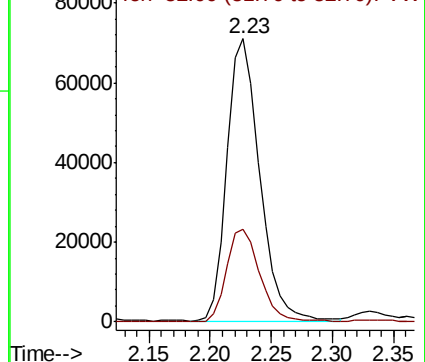
50 100

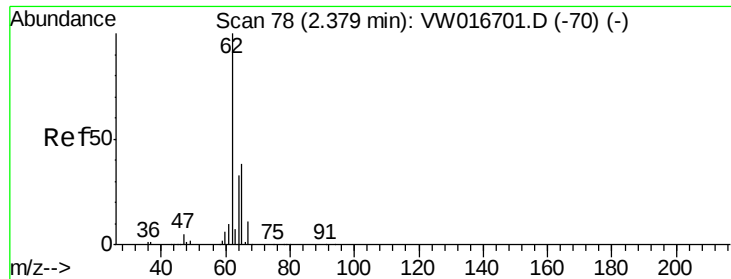
52 32.7 22.4 41.6



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 26.394 ug/L

RT: 2.38 min Scan# 78

Delta R.T. -0.00 min

Lab File: VW016723.D

Acq: 30 Sep 2020 19:37

Instrument :

MSVOA_W

ClientSampleId :

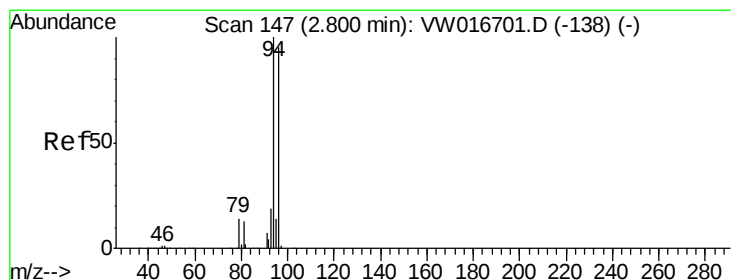
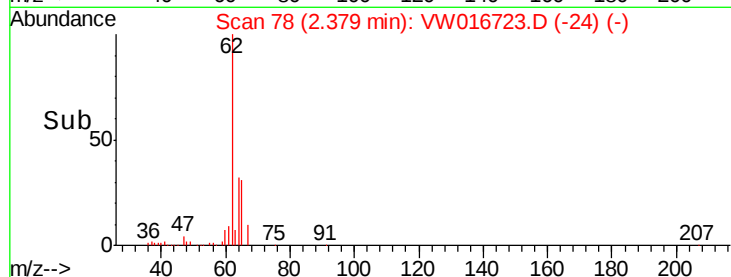
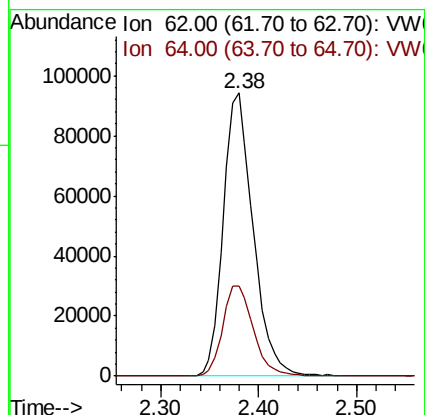
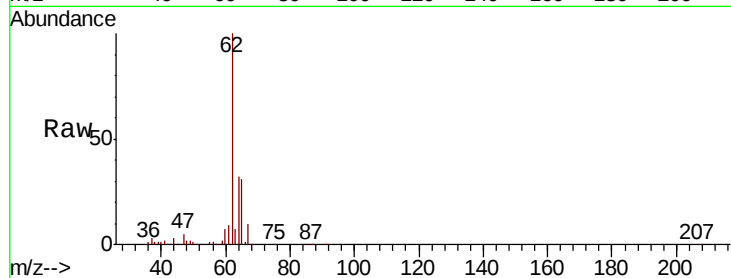
VSTD02514

Tot Ion: 62 Resp: 199939

Ion Ratio Lower Upper

62 100

64 31.9 23.4 43.4



#6

Bromomethane

Concen: 24.700 ug/L

RT: 2.79 min Scan# 146

Delta R.T. -0.01 min

Lab File: VW016723.D

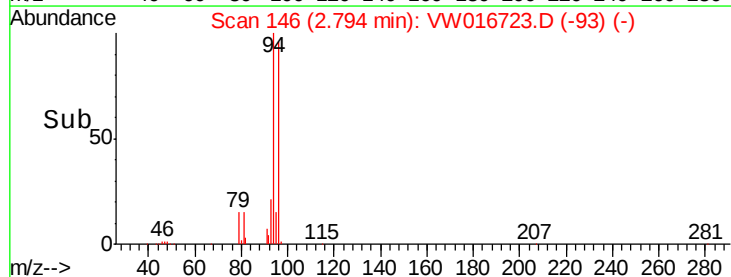
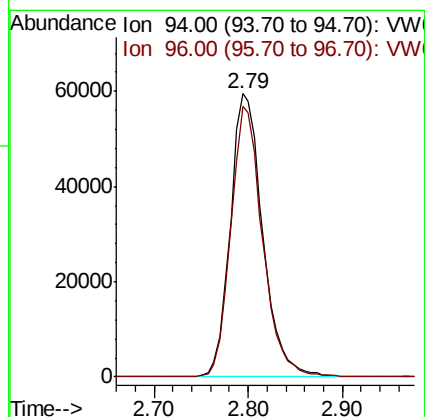
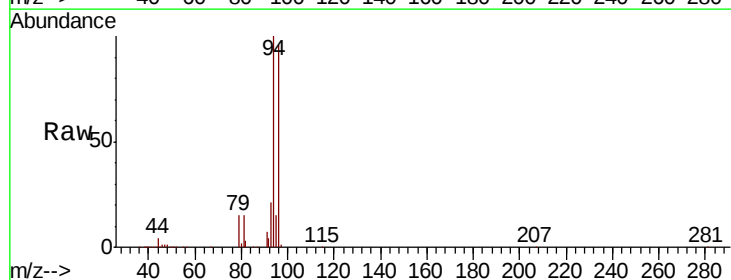
Acq: 30 Sep 2020 19:37

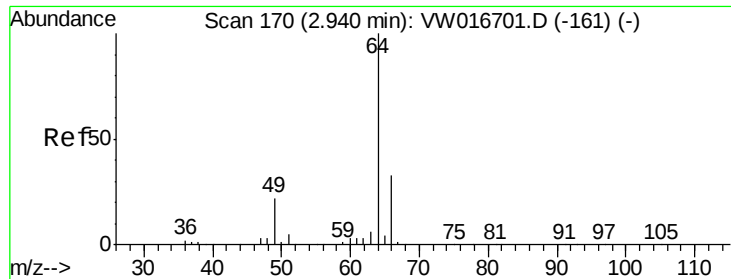
Tgt Ion: 94 Resp: 141972

Ion Ratio Lower Upper

94 100

96 93.6 9.6 181.6





#8

Chloroethane

Concen: 26.465 ug/L

RT: 2.94 min Scan# 170

Delta R.T. -0.00 min

Lab File: VW016723.D

Acq: 30 Sep 2020 19:37

Instrument :

MSVOA_W

ClientSampleId :

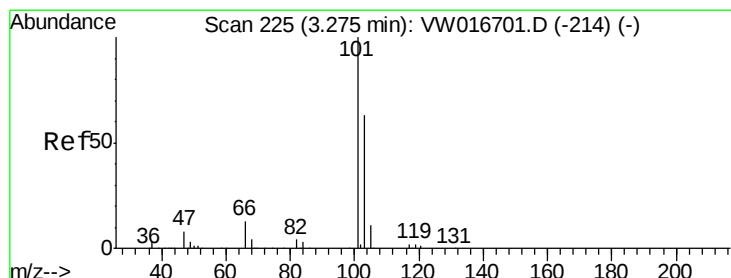
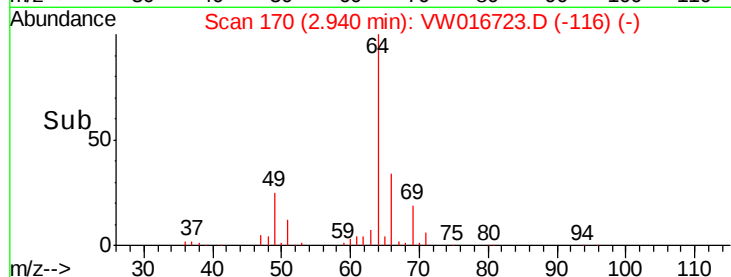
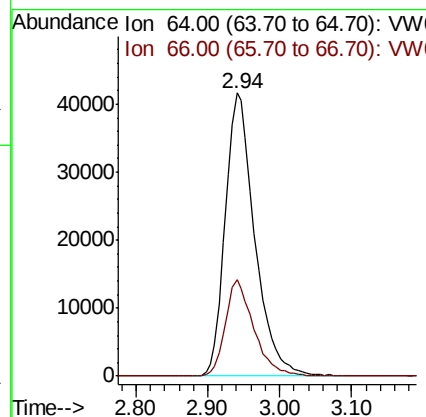
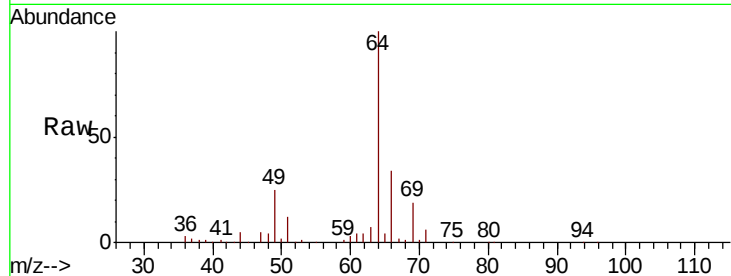
VSTD02514

Tot Ion: 64 Resp: 118597

Ion Ratio Lower Upper

64 100

66 34.3 23.2 43.2



#9

Trichlorofluoromethane

Concen: 23.786 ug/L

RT: 3.28 min Scan# 225

Delta R.T. -0.00 min

Lab File: VW016723.D

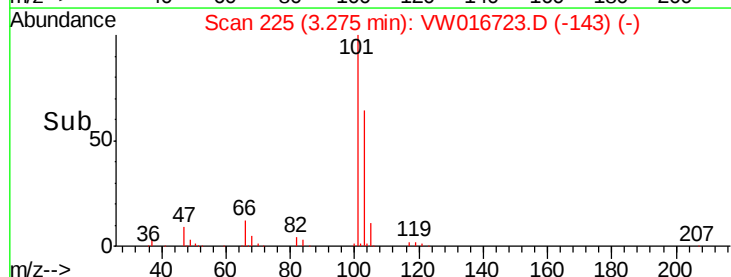
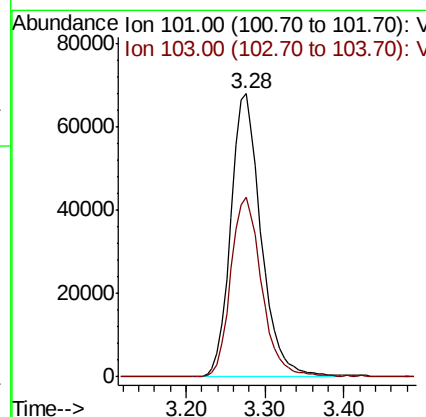
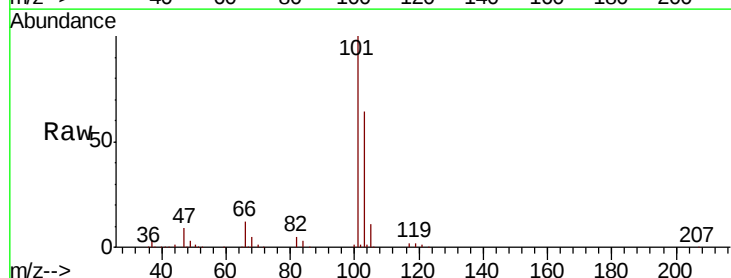
Acq: 30 Sep 2020 19:37

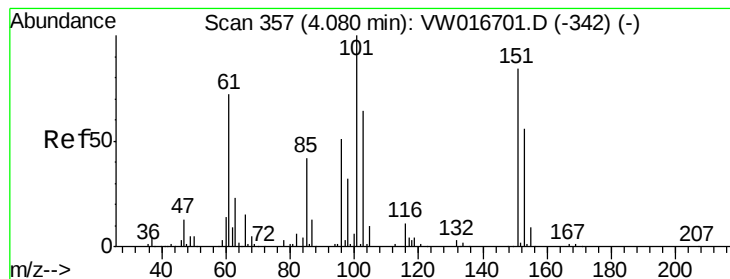
Tgt Ion:101 Resp: 181660

Ion Ratio Lower Upper

101 100

103 64.6 45.2 84.0





#11

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

Concen: 27.808 ug/L

RT: 4.09 min Scan# 358

Delta R.T. 0.01 min

Lab File: VW016723.D

Acq: 30 Sep 2020 19:37

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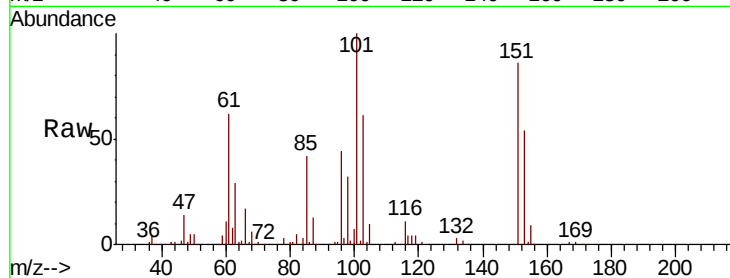
Tot Ion:101 Resp: 203463

Ion Ratio Lower Upper

101 100

85 40.6 32.6 49.0

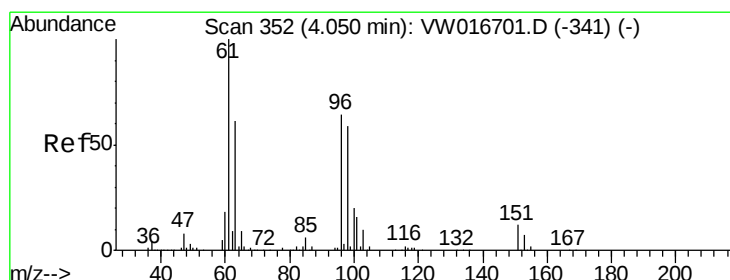
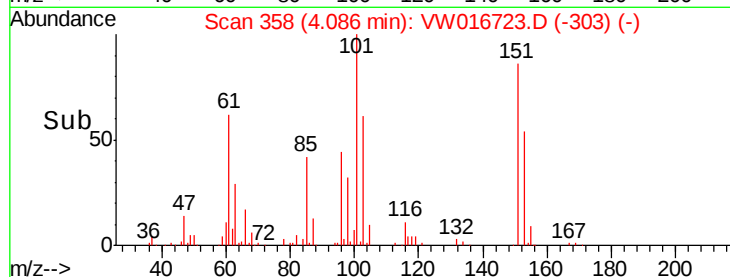
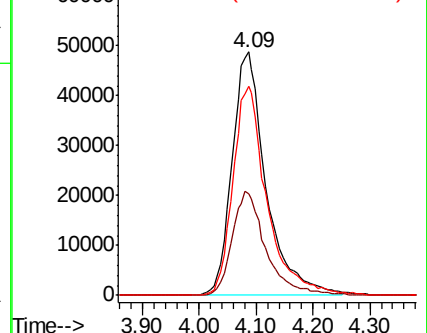
151 85.6 66.0 99.0



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: 27.406 ug/L

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW016723.D

Acq: 30 Sep 2020 19:37

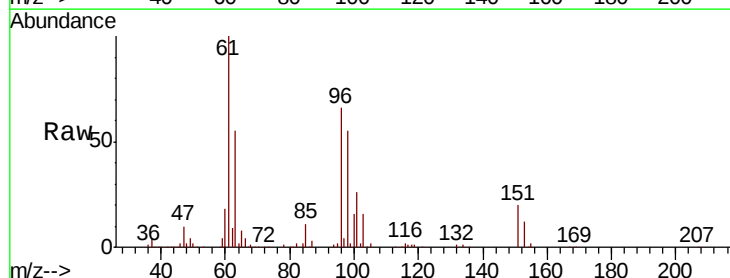
Tgt Ion: 96 Resp: 197133

Ion Ratio Lower Upper

96 100

61 150.6 111.4 206.8

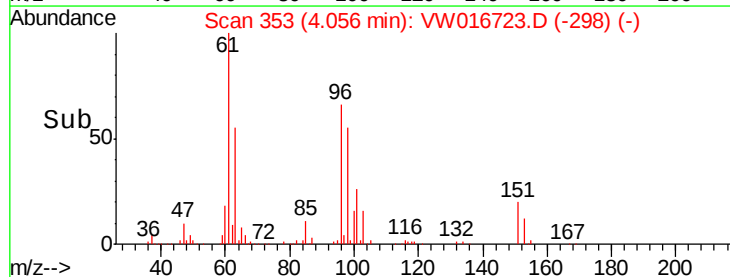
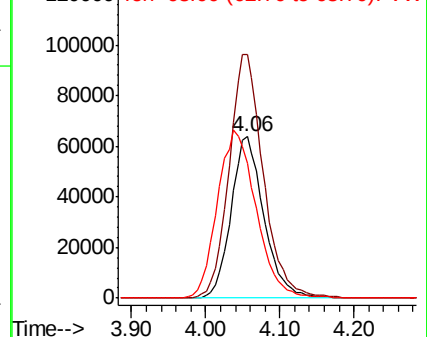
63 83.0 73.0 135.6

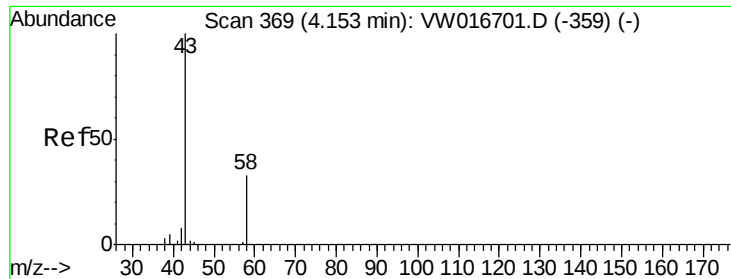


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 42.322 ug/L

RT: 4.14 min Scan# 367

Delta R.T. -0.01 min

Lab File: VW016723.D

Acq: 30 Sep 2020 19:37

Instrument :

MSVOA_W

ClientSampleId :

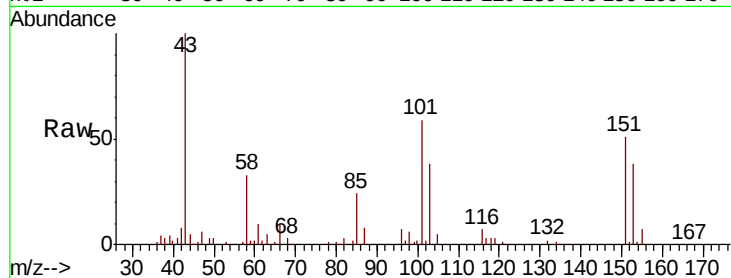
VSTD02514

Tot Ion: 43 Resp: 49684

Ion Ratio Lower Upper

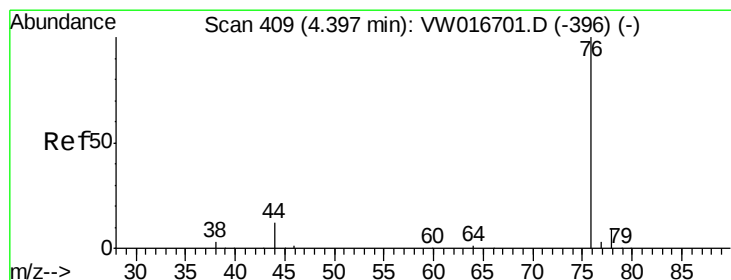
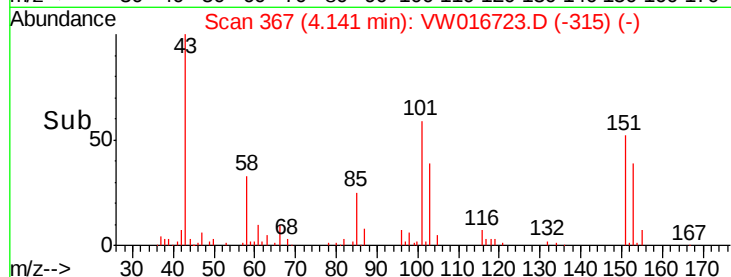
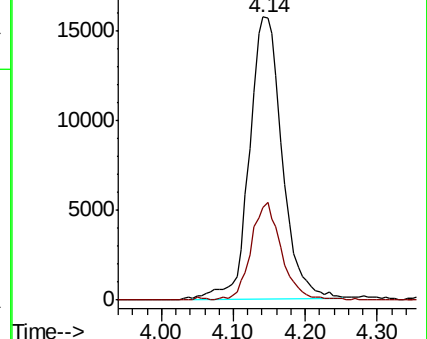
43 100

58 31.7 0.0 60.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 24.269 ug/L

RT: 4.40 min Scan# 409

Delta R.T. -0.00 min

Lab File: VW016723.D

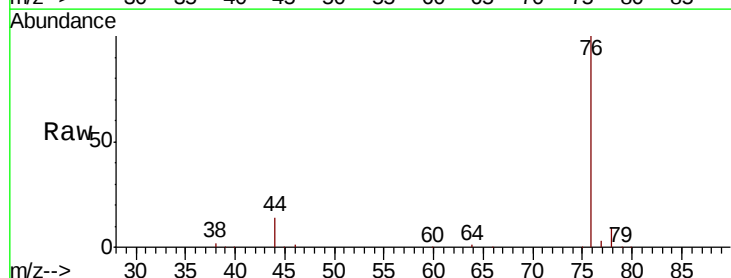
Acq: 30 Sep 2020 19:37

Tgt Ion: 76 Resp: 526678

Ion Ratio Lower Upper

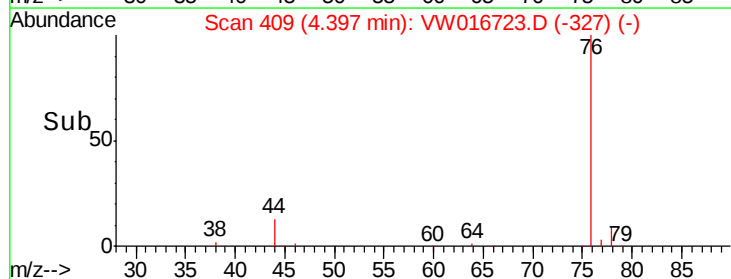
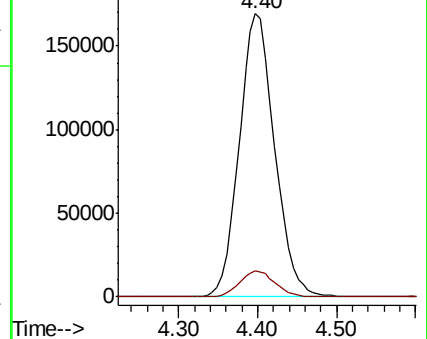
76 100

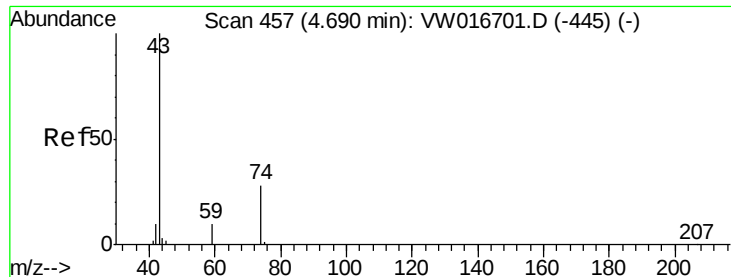
78 9.2 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

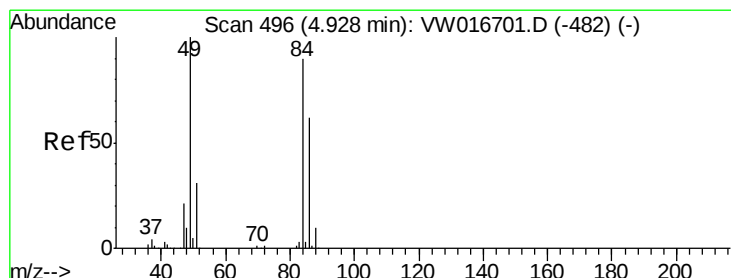
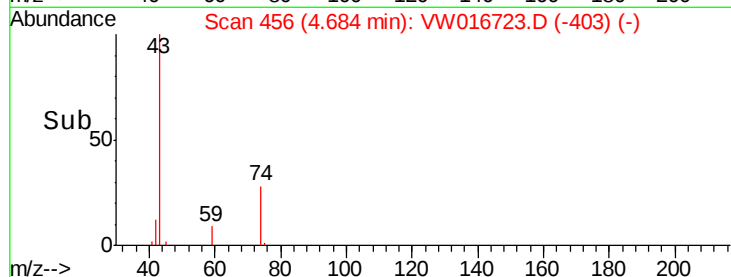
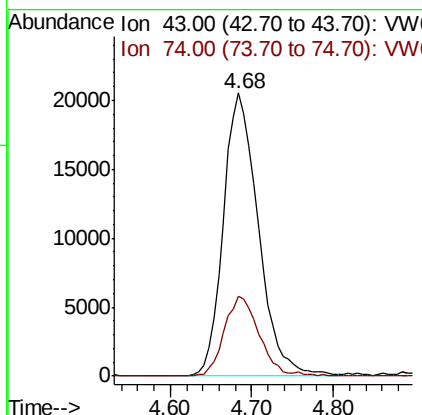
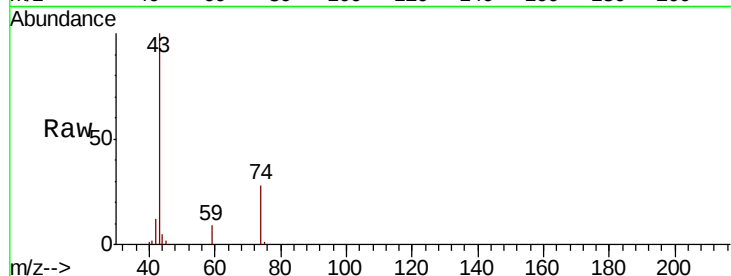




#15
Methvl Acetate
Concen: 22.844 ug/L
RT: 4.68 min Scan# 456
Delta R.T. -0.01 min
Lab File: VW016723.D
Acq: 30 Sep 2020 19:37

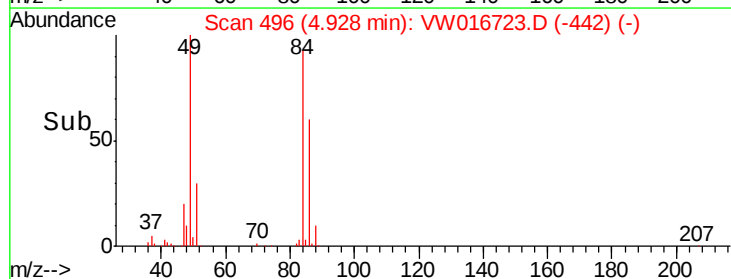
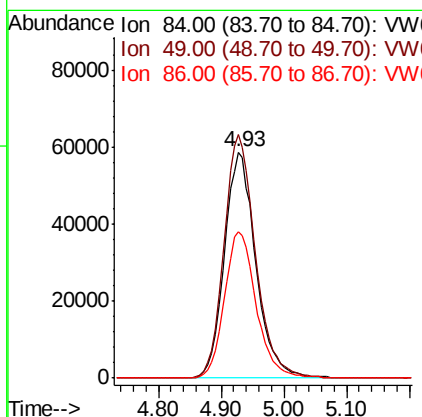
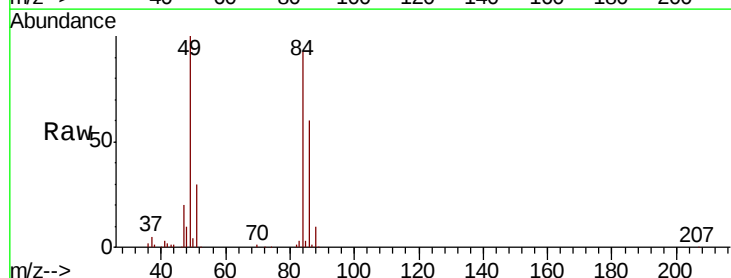
Instrument :
MSVOA_W
ClientSampleId :
VSTD02514

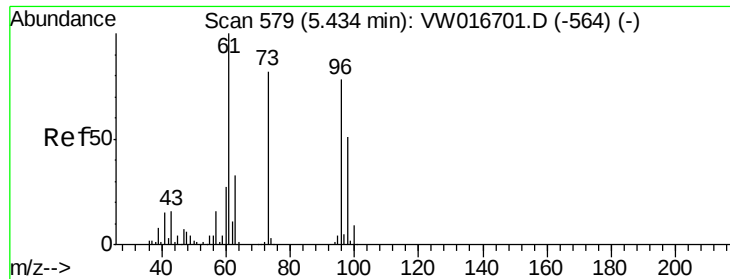
Tot Ion: 43 Resp: 61067
Ion Ratio Lower Upper
43 100
74 27.7 21.5 32.3



#16
Methylene chloride
Concen: 23.157 ug/L
RT: 4.93 min Scan# 496
Delta R.T. -0.00 min
Lab File: VW016723.D
Acq: 30 Sep 2020 19:37

Tgt Ion: 84 Resp: 202827
Ion Ratio Lower Upper
84 100
49 107.6 76.0 141.2
86 64.6 45.6 84.6

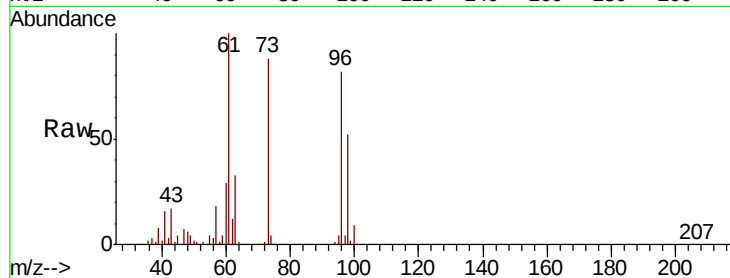




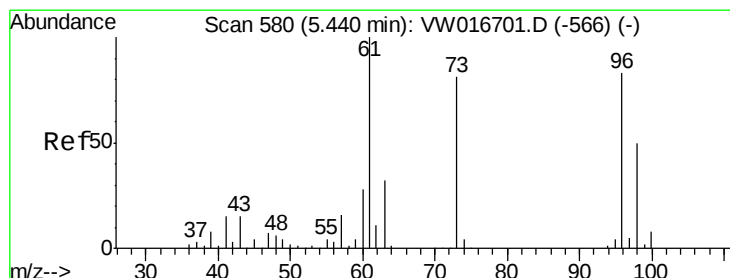
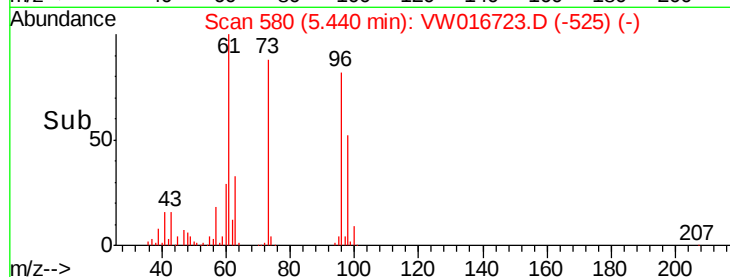
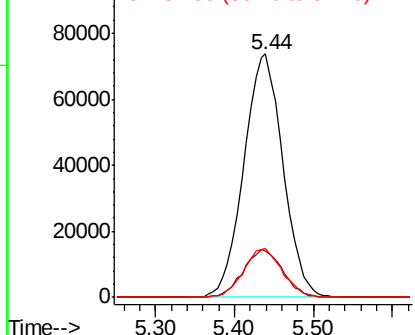
#17
Methvl tert-butvl Ether
Concen: 25.764 ug/L
RT: 5.44 min Scan# 580
Delta R.T. 0.01 min
Lab File: VW016723.D
Acq: 30 Sep 2020 19:37

Instrument :
MSVOA_W
ClientSampleId :
VSTD02514

Tot Ion: 73 Resp: 253838
Ion Ratio Lower Upper
73 100
43 19.8 17.2 25.8
57 19.8 16.3 24.5

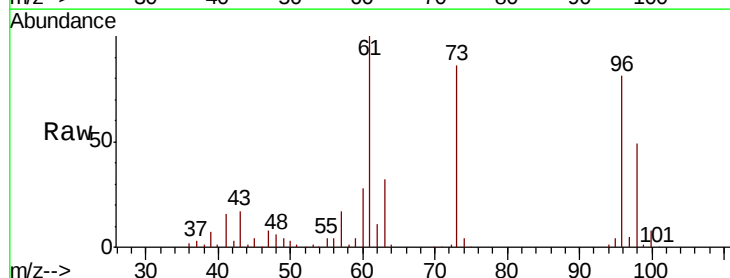


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

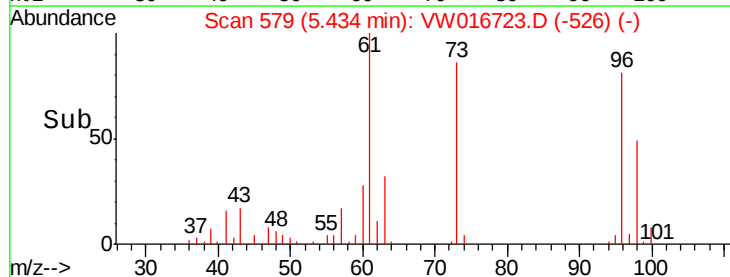
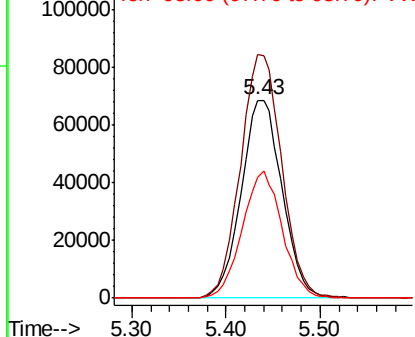


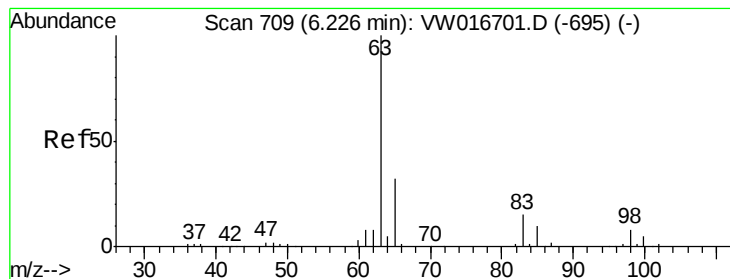
#18
trans-1,2-Dichloroethene
Concen: 28.039 ug/L
RT: 5.43 min Scan# 579
Delta R.T. -0.01 min
Lab File: VW016723.D
Acq: 30 Sep 2020 19:37

Tgt Ion: 96 Resp: 208865
Ion Ratio Lower Upper
96 100
61 123.0 88.4 164.2
98 60.9 43.0 80.0



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





#19

1,1-Dichloroethane

Concen: 28.134 ug/L

RT: 6.23 min Scan# 709

Delta R.T. -0.00 min

Lab File: VW016723.D

Acq: 30 Sep 2020 19:37

Instrument :

MSVOA_W

ClientSampled :

VSTD02514

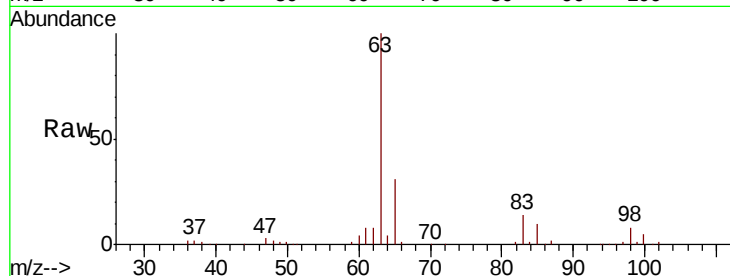
Tot Ion: 63 Resp: 331421

Ion Ratio Lower Upper

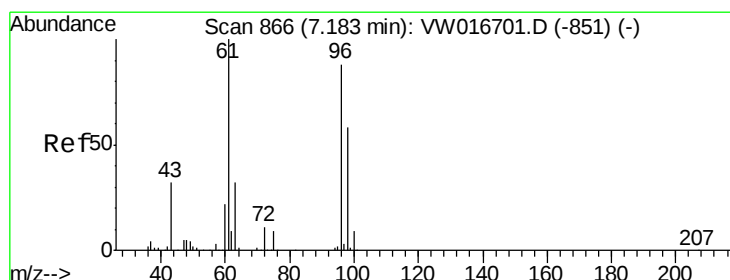
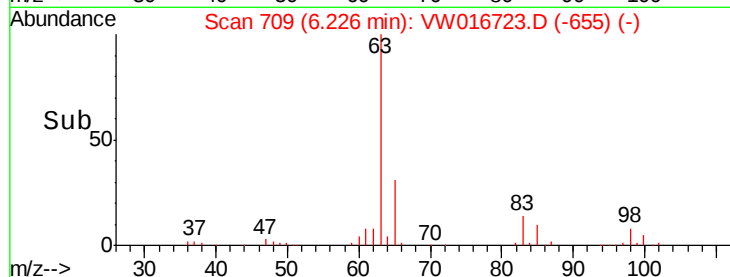
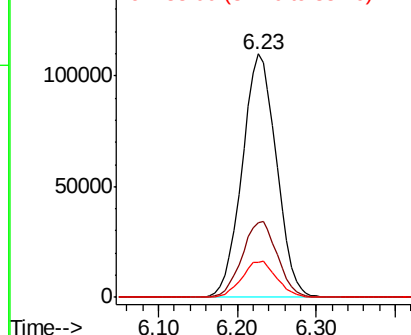
63 100

65 30.8 21.6 40.0

83 14.3 10.4 19.2



Abundance Ion 63.00 (62.70 to 63.70): VW
Ion 65.00 (64.70 to 65.70): VW
Ion 83.00 (82.70 to 83.70): VW



#21

2-Butanone

Concen: 39.446 ug/L

RT: 7.18 min Scan# 865

Delta R.T. -0.01 min

Lab File: VW016723.D

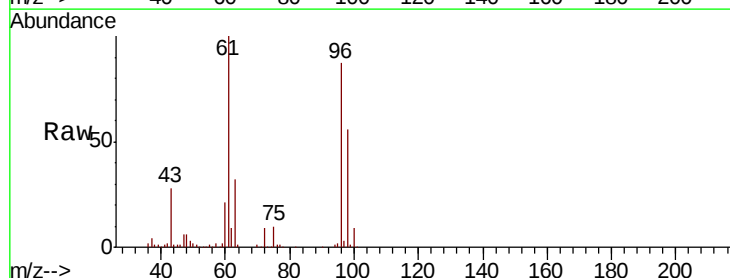
Acq: 30 Sep 2020 19:37

Tgt Ion: 43 Resp: 78783

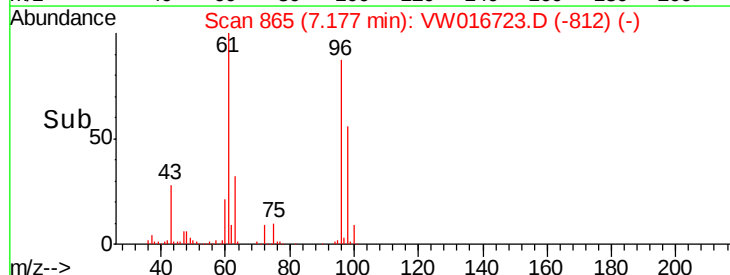
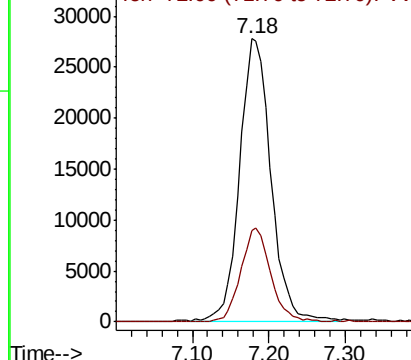
Ion Ratio Lower Upper

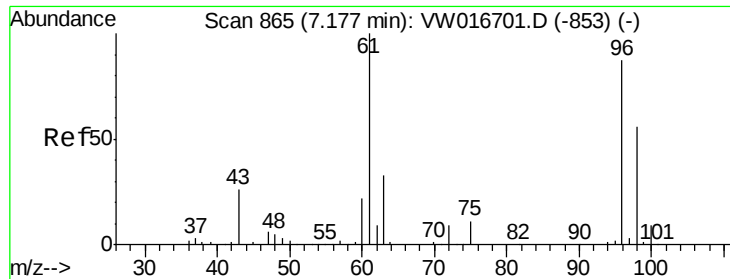
43 100

72 31.7 14.6 43.8



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



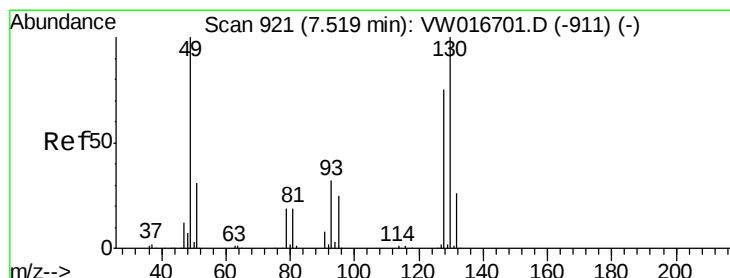
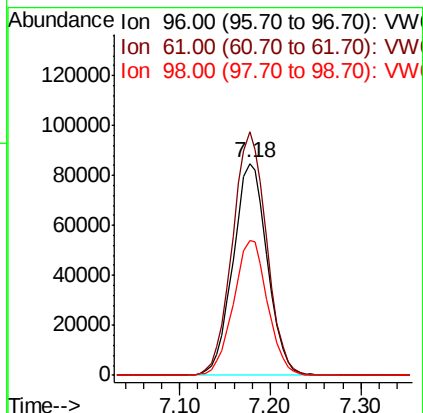
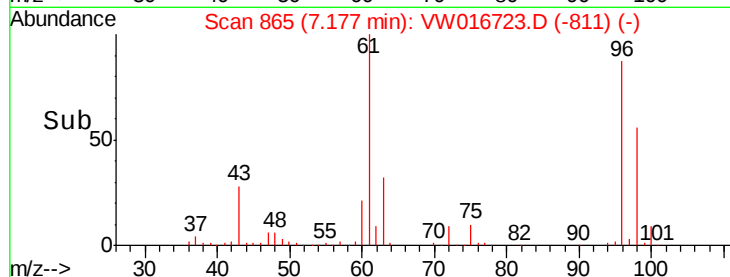
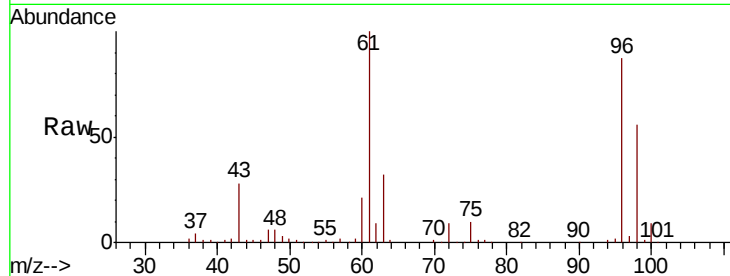


#22

cis-1,2-Dichloroethene
Concen: 28.692 ug/L
RT: 7.18 min Scan# 865
Delta R.T. -0.00 min
Lab File: VW016723.D
Acq: 30 Sep 2020 19:37

Instrument :
MSVOA_W
ClientSampleId :
VSTD02514

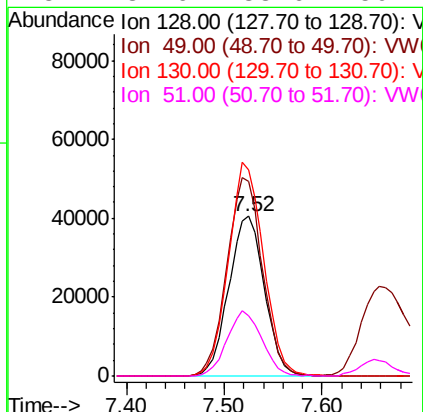
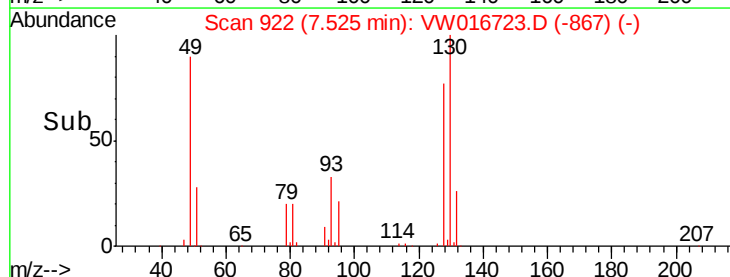
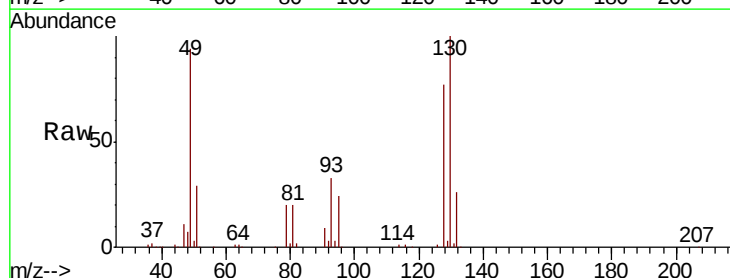
Tot Ion: 96 Resp: 221764
Ion Ratio Lower Upper
96 100
61 114.7 78.4 145.6
98 63.7 44.8 83.2

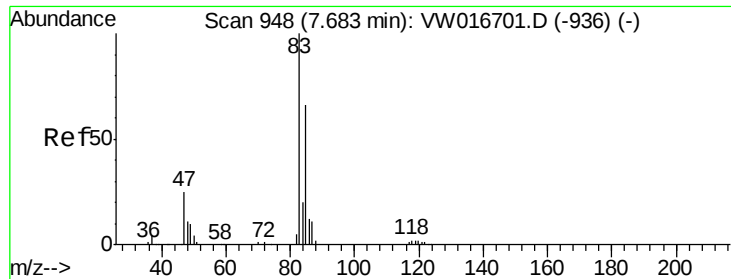


#23

Bromochloromethane
Concen: 27.259 ug/L
RT: 7.52 min Scan# 922
Delta R.T. 0.01 min
Lab File: VW016723.D
Acq: 30 Sep 2020 19:37

Tgt Ion: 128 Resp: 102427
Ion Ratio Lower Upper
128 100
49 122.3 92.1 171.1
130 129.4 87.8 163.0
51 37.6 33.6 50.4

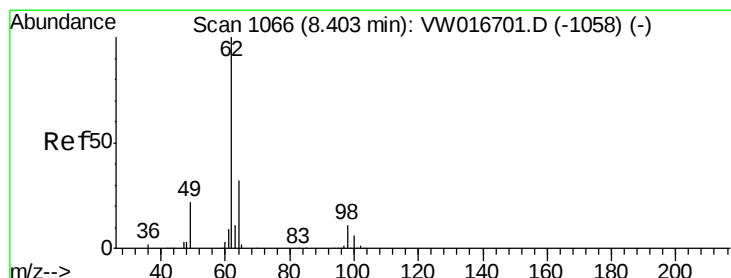
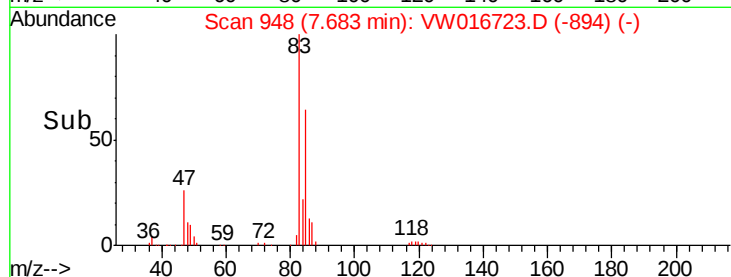
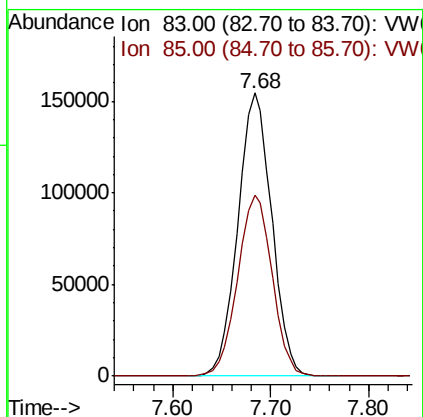
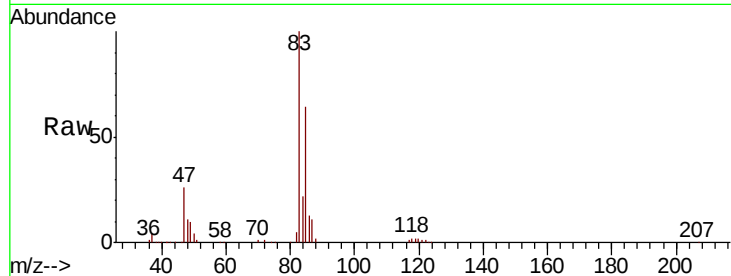




#25
Chloroform
Concen: 28.852 ug/L
RT: 7.68 min Scan# 948
Delta R.T. -0.00 min
Lab File: VW016723.D
Acq: 30 Sep 2020 19:37

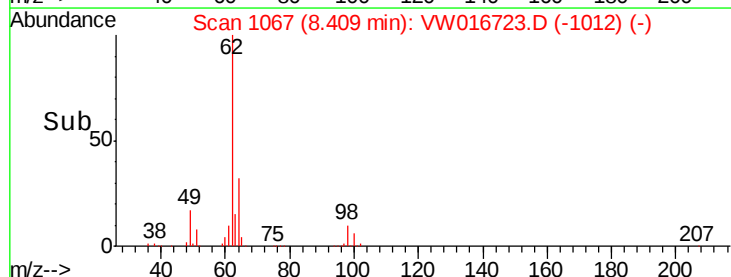
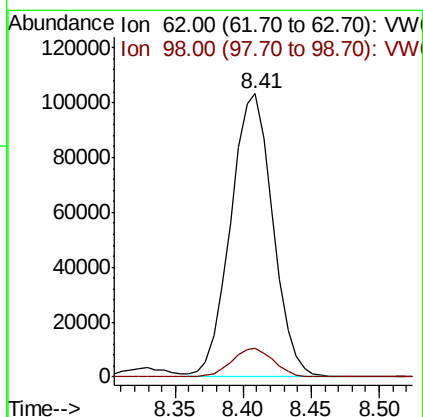
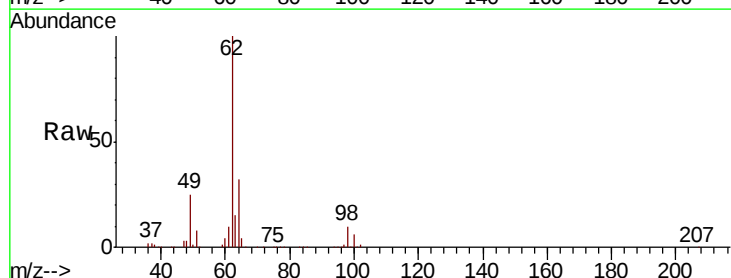
Instrument :
MSVOA_W
ClientSampleId :
VSTD02514

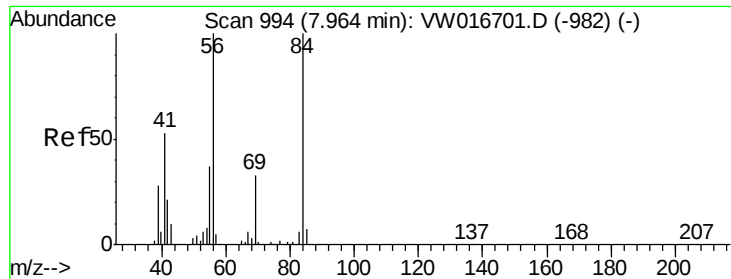
Tot Ion: 83 Resp: 370565
Ion Ratio Lower Upper
83 100
85 65.1 46.1 85.5



#27
1,2-Dichloroethane
Concen: 27.148 ug/L
RT: 8.41 min Scan# 1067
Delta R.T. 0.01 min
Lab File: VW016723.D
Acq: 30 Sep 2020 19:37

Tgt Ion: 62 Resp: 223719
Ion Ratio Lower Upper
62 100
98 9.9 7.9 11.9

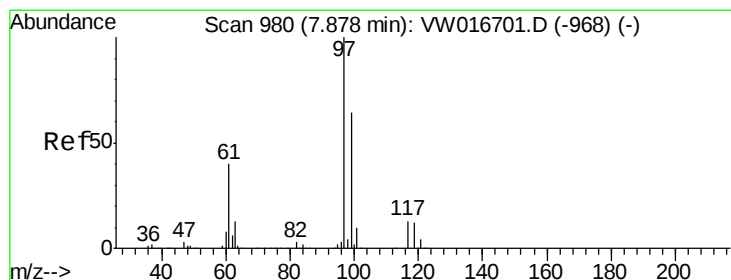
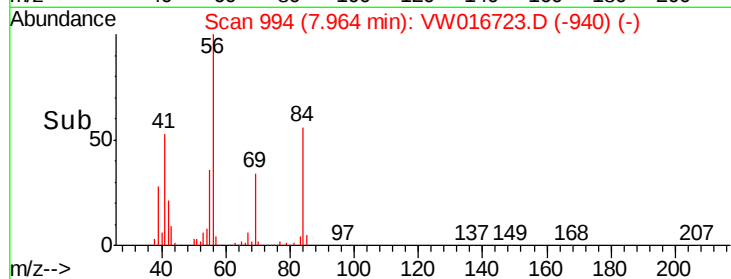
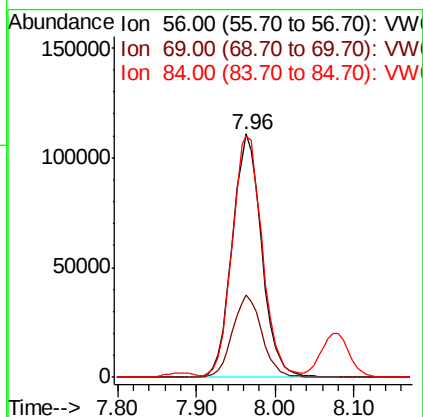
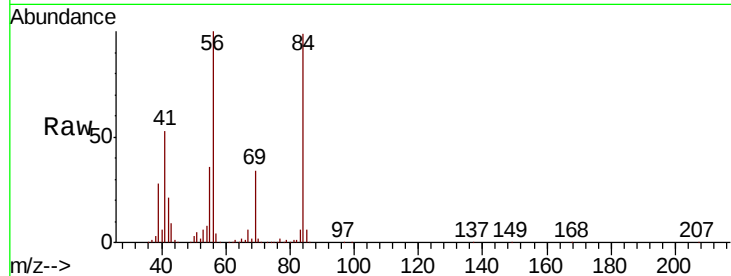




#30
Cvclohexane
Concen: 25.236 ug/L
RT: 7.96 min Scan# 994
Delta R.T. -0.00 min
Lab File: VW016723.D
Acq: 30 Sep 2020 19:37

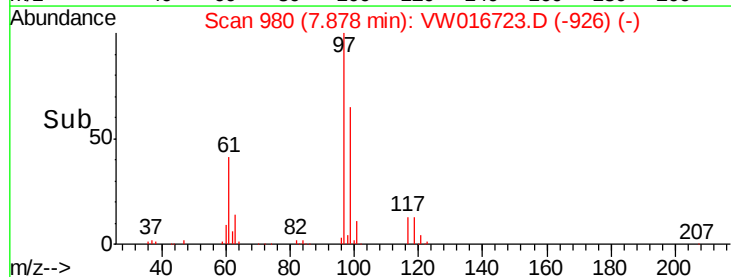
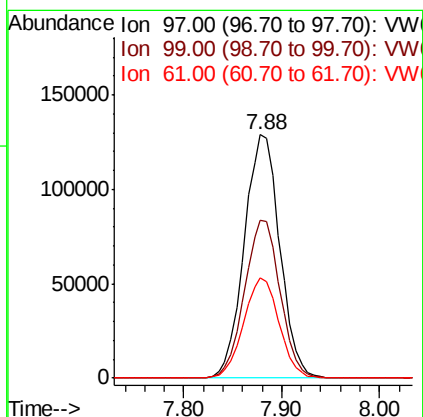
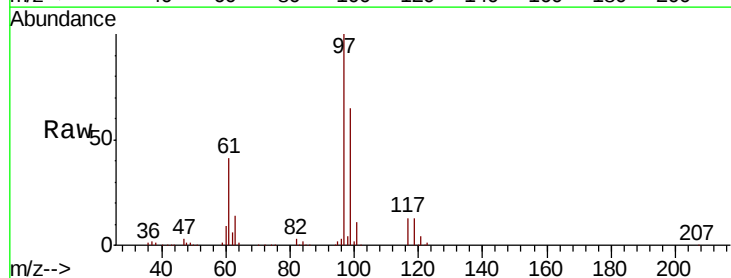
Instrument :
MSVOA_W
ClientSampled :
VSTD02514

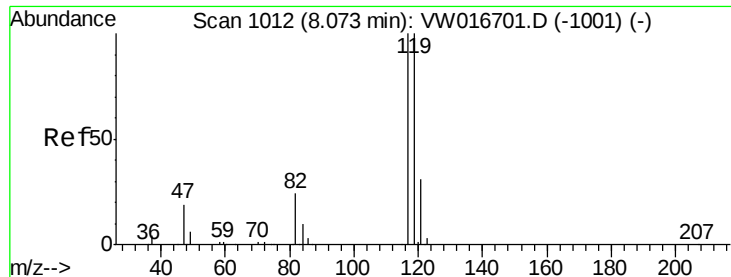
Tot Ion	Ratio	Lower	Upper
56	100		
69	33.7	26.5	39.7
84	101.7	79.0	118.6



#31
1,1,1-Trichloroethane
Concen: 26.832 ug/L
RT: 7.88 min Scan# 980
Delta R.T. -0.00 min
Lab File: VW016723.D
Acq: 30 Sep 2020 19:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.8	77.6
61	41.1	33.6	50.4





#32

Carbon tetrachloride

Concen: 27.306 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VW016723.D

Acq: 30 Sep 2020 19:37

Instrument :

MSVOA_W

ClientSampled :

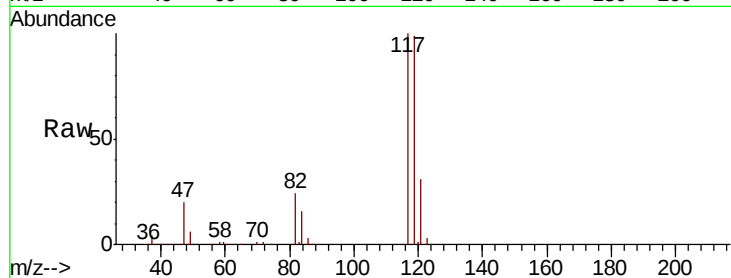
VSTD02514

Tot Ion:117 Resp: 322286

Ion Ratio Lower Upper

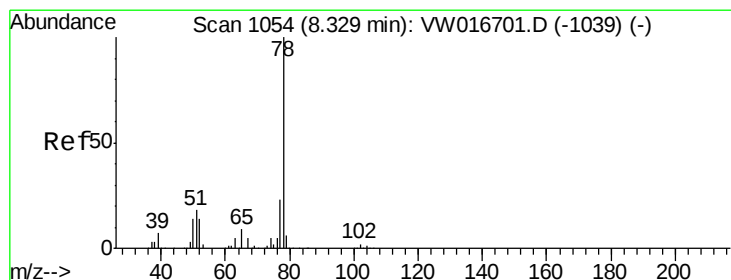
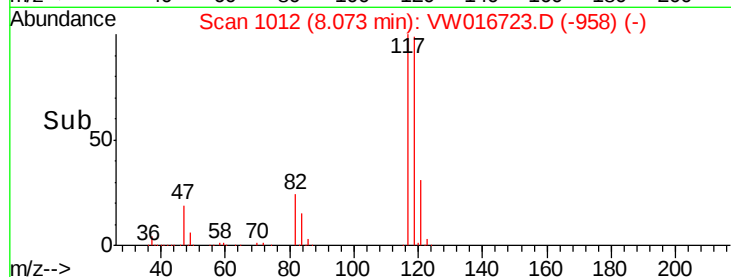
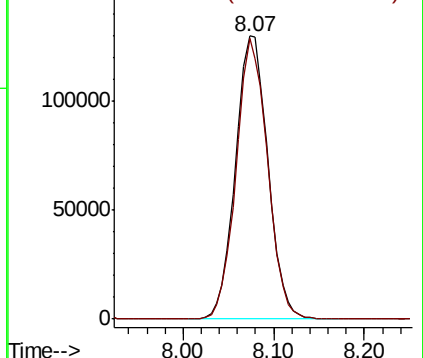
117 100

119 95.8 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: 27.257 ug/L

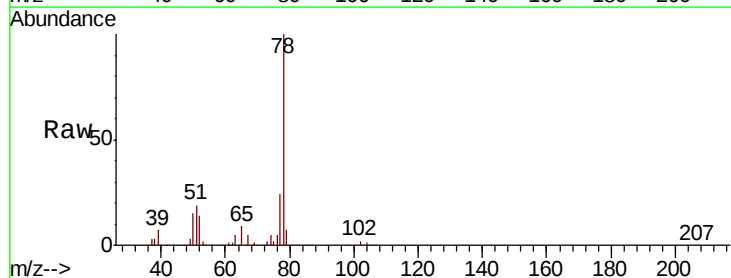
RT: 8.33 min Scan# 1054

Delta R.T. -0.00 min

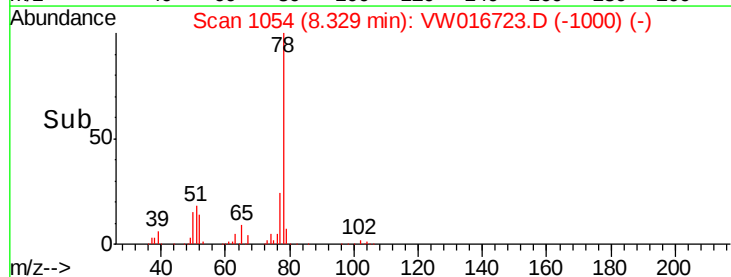
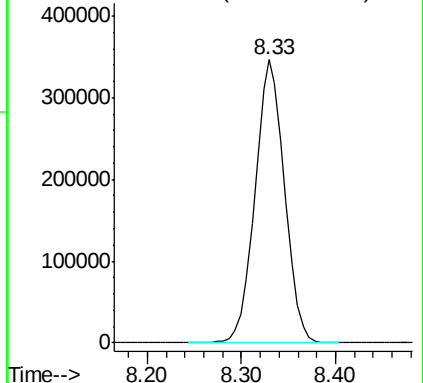
Lab File: VW016723.D

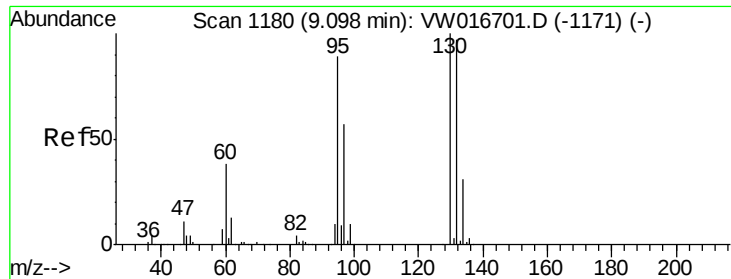
Acq: 30 Sep 2020 19:37

Tgt Ion: 78 Resp: 759914



Abundance Ion 78.00 (77.70 to 78.70): VW

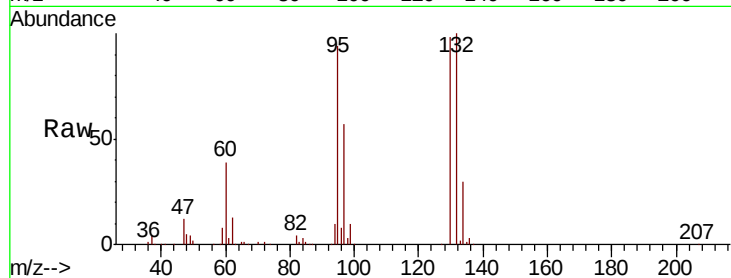




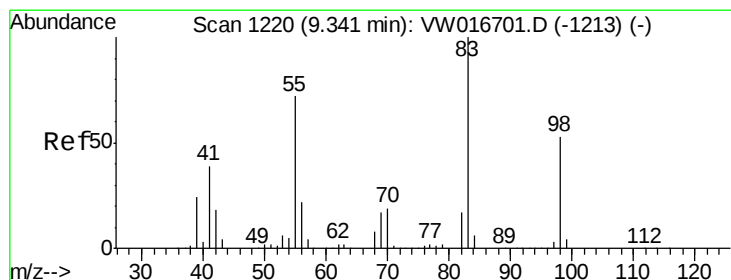
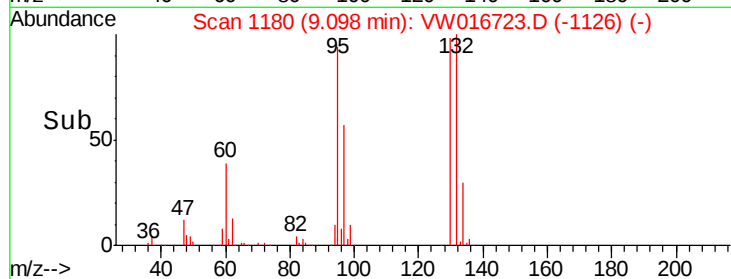
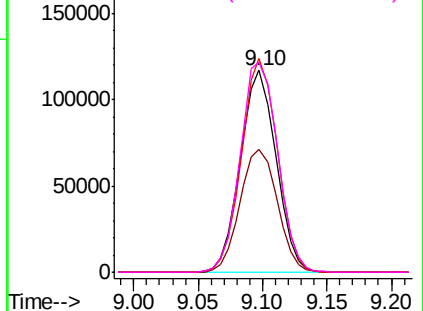
#35
 Trichloroethene
 Concen: 27.853 ug/L
 RT: 9.10 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VW016723.D
 Acq: 30 Sep 2020 19:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02514

Tot Ion:	95	Resp:	224670
Ion	Ratio	Lower	Upper
95	100		
97	63.7	45.2	84.0
132	105.9	73.3	136.1
130	109.0	77.5	143.9

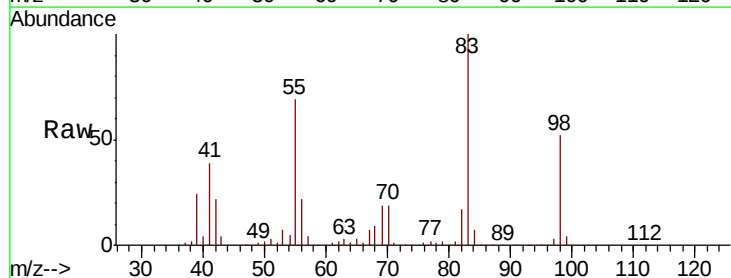


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

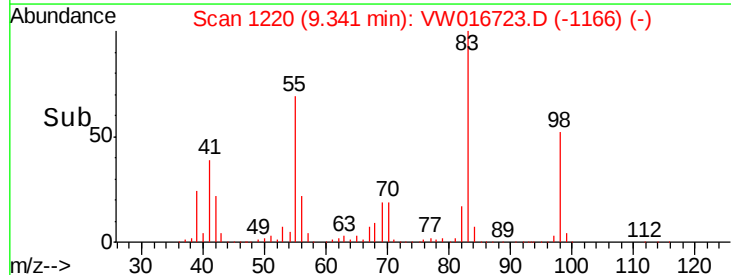
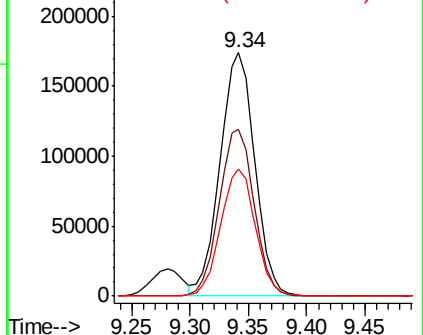


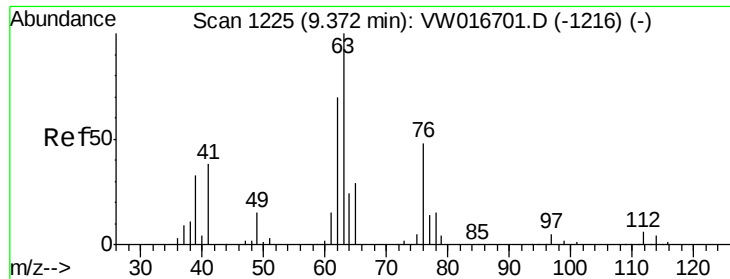
#36
 Methylcyclohexane
 Concen: 26.306 ug/L
 RT: 9.34 min Scan# 1220
 Delta R.T. -0.00 min
 Lab File: VW016723.D
 Acq: 30 Sep 2020 19:37

Tgt Ion:	83	Resp:	359917
Ion	Ratio	Lower	Upper
83	100		
55	68.6	55.9	83.9
98	52.2	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

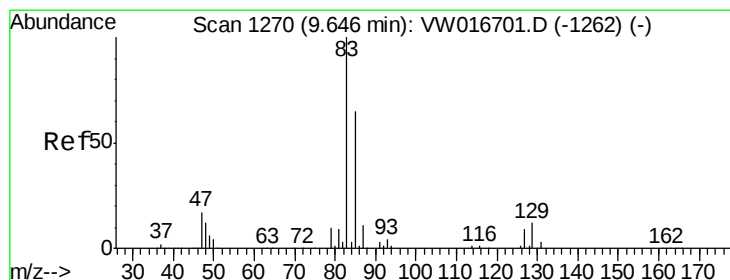
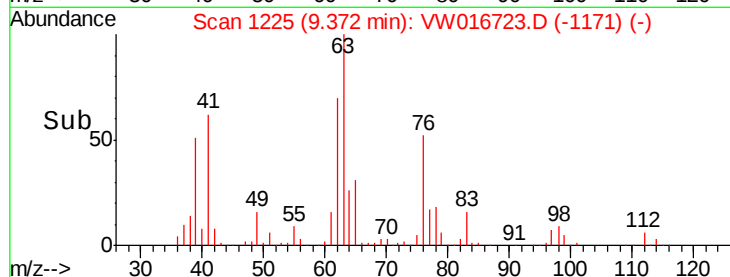
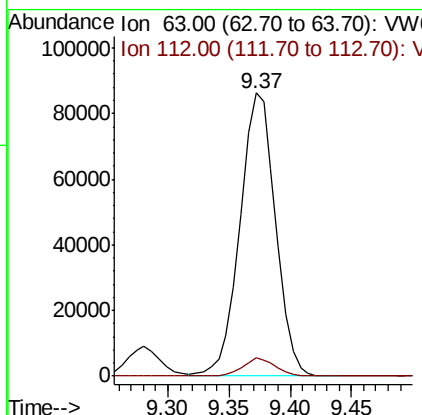
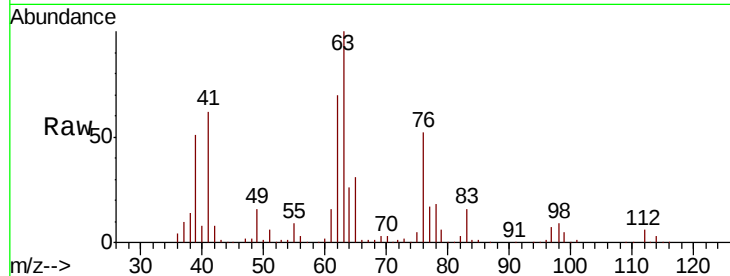




#40
 1,2-Dichloropropane
 Concen: 26.856 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW016723.D
 Acq: 30 Sep 2020 19:37

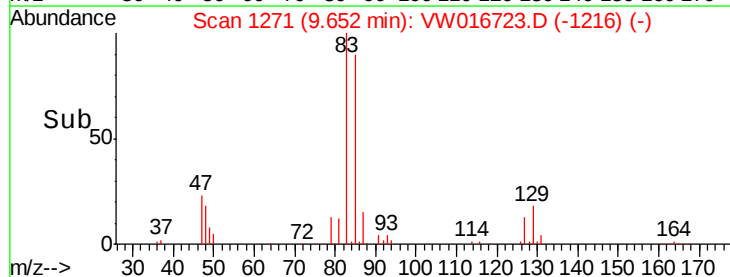
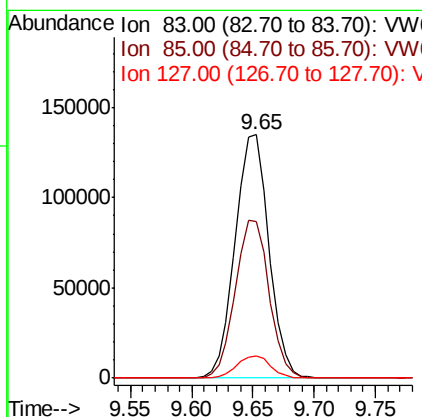
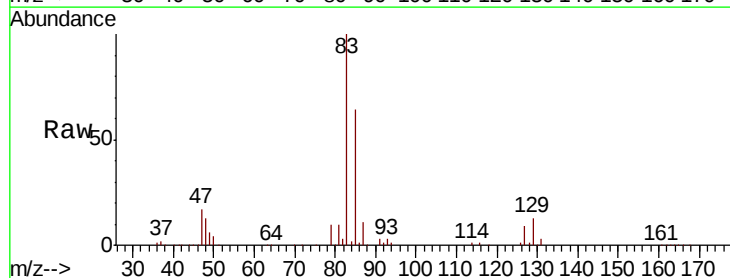
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02514

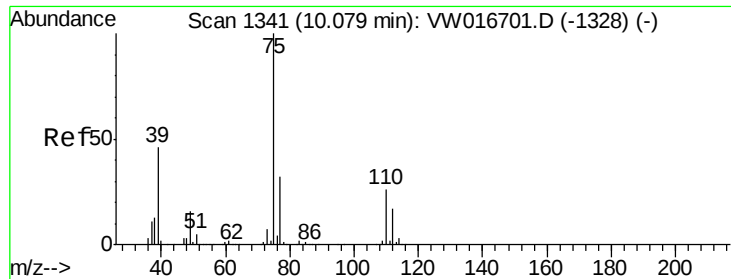
Tot Ion: 63 Resp: 174144
 Ion Ratio Lower Upper
 63 100
 112 5.8 4.5 6.7



#41
 Bromodichloromethane
 Concen: 26.950 ug/L
 RT: 9.65 min Scan# 1271
 Delta R.T. 0.01 min
 Lab File: VW016723.D
 Acq: 30 Sep 2020 19:37

Tgt Ion: 83 Resp: 258969
 Ion Ratio Lower Upper
 83 100
 85 64.5 46.8 86.8
 127 9.2 6.8 10.2





#42

cis-1,3-Dichloropropene

Concen: 26.294 ug/L

RT: 10.08 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VW016723.D

Acq: 30 Sep 2020 19:37

Instrument :

MSVOA_W

ClientSampleId :

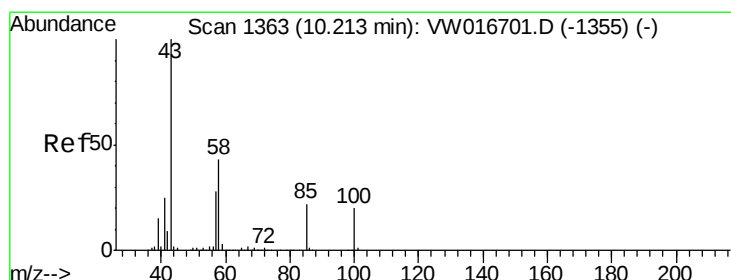
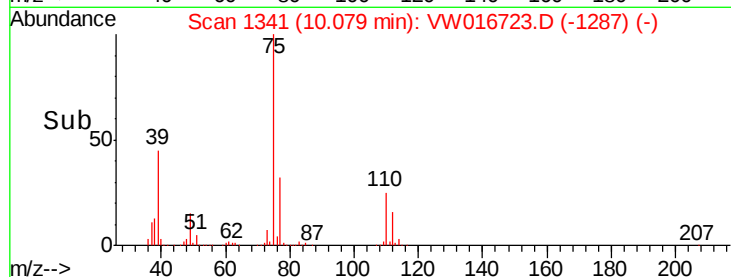
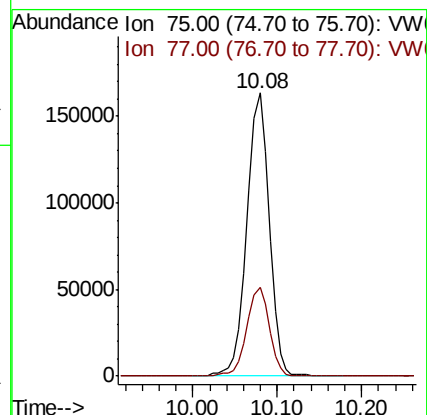
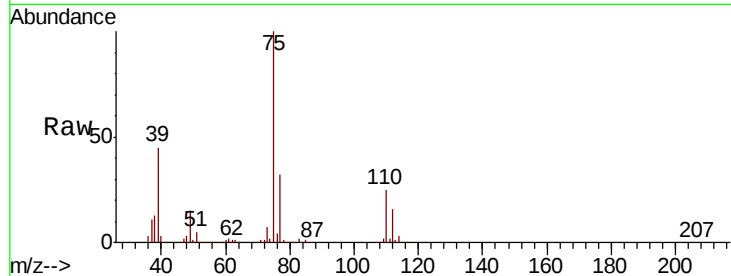
VSTD02514

Tot Ion: 75 Resp: 291231

Ion Ratio Lower Upper

75 100

77 31.6 22.2 41.2



#43

4-Methyl-2-pentanone

Concen: 43.682 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW016723.D

Acq: 30 Sep 2020 19:37

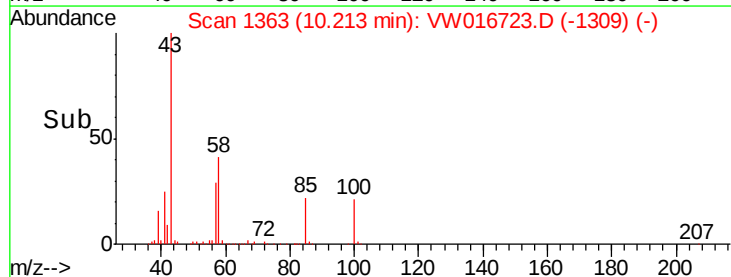
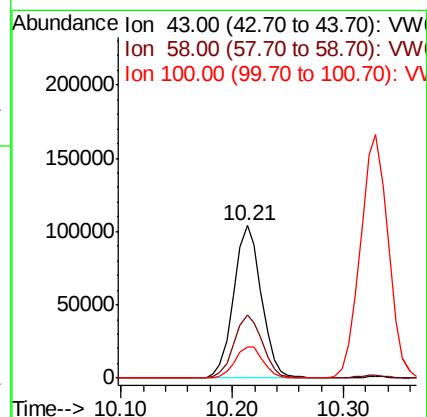
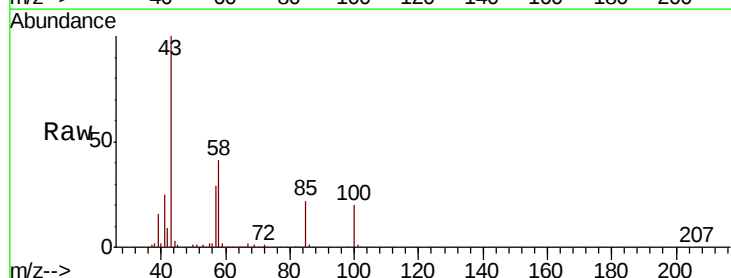
Tgt Ion: 43 Resp: 179958

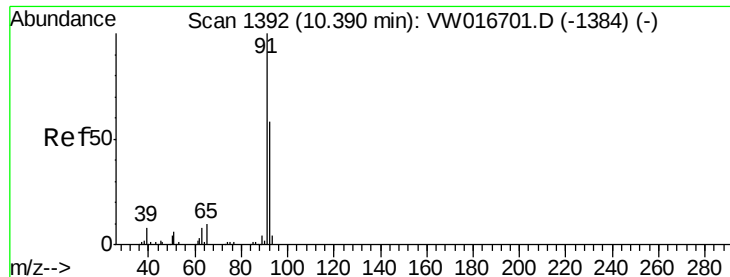
Ion Ratio Lower Upper

43 100

58 42.2 32.2 48.4

100 21.1 15.8 23.6





#44

Toluene

Concen: 27.901 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW016723.D

Acq: 30 Sep 2020 19:37

Instrument :

MSVOA_W

ClientSampleId :

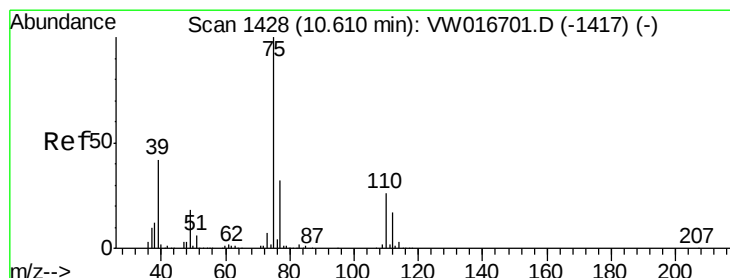
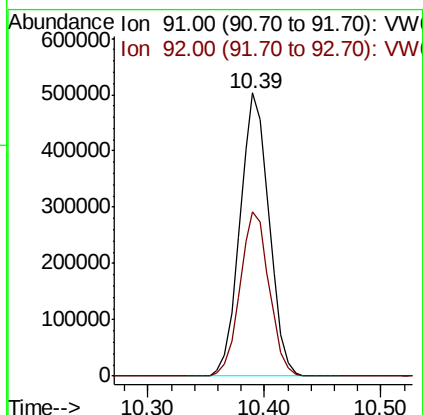
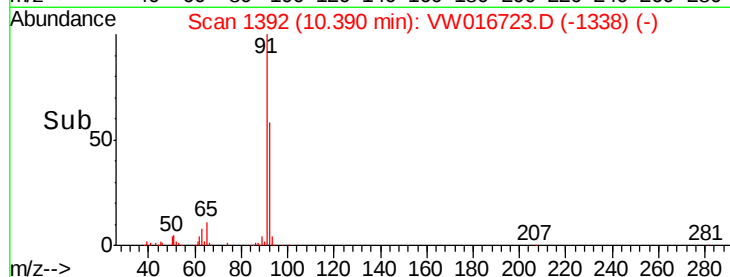
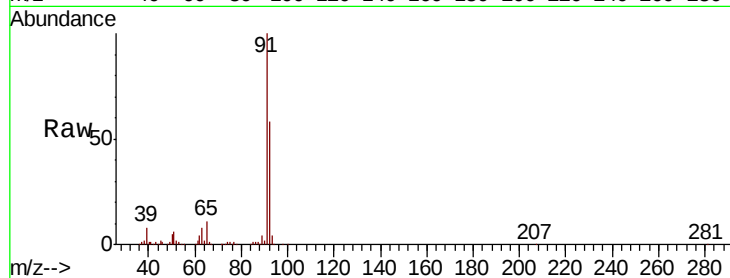
VSTD02514

Tot Ion: 91 Resp: 874696

Ion Ratio Lower Upper

91 100

92 58.0 39.6 73.6



#45

trans-1,3-Dichloropropene

Concen: 25.631 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW016723.D

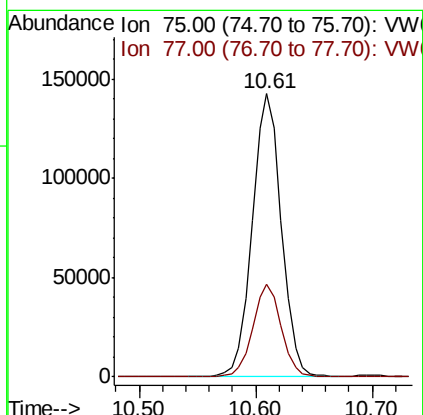
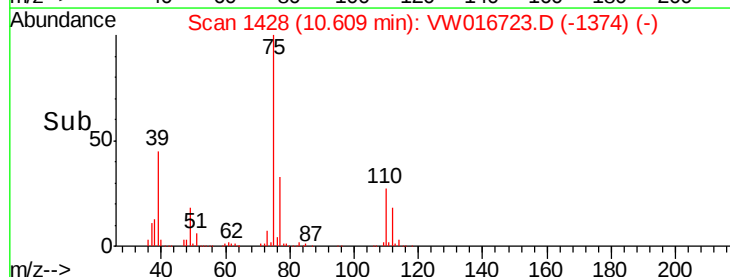
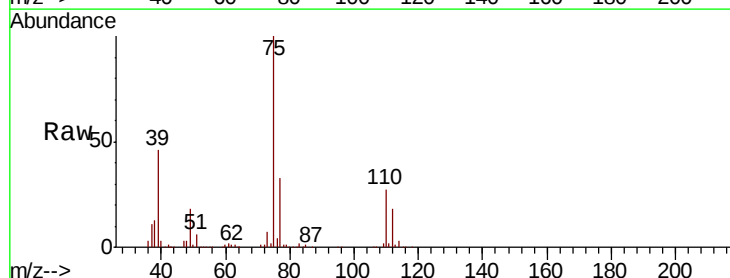
Acq: 30 Sep 2020 19:37

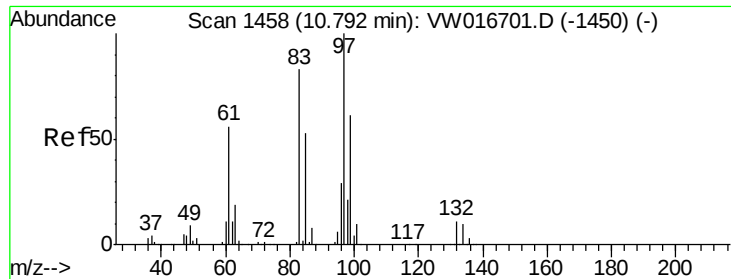
Tgt Ion: 75 Resp: 246991

Ion Ratio Lower Upper

75 100

77 32.6 22.5 41.9

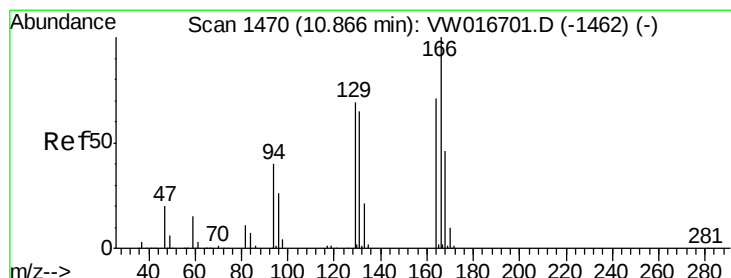
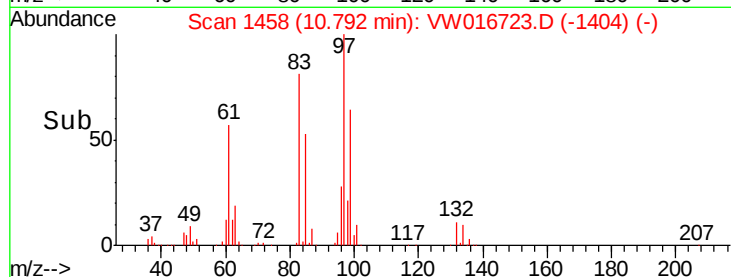
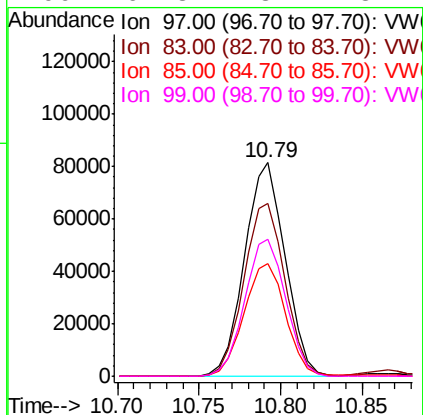
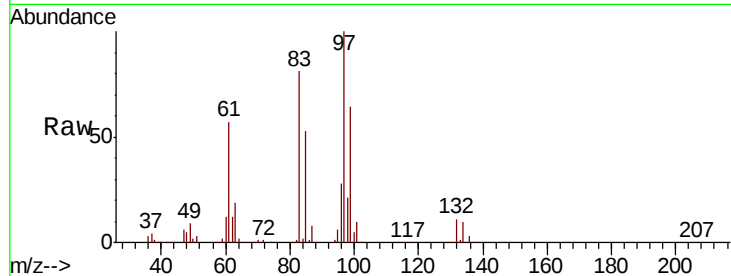




#46
 1,1,2-Trichloroethane
 Concen: 25.847 ug/L
 RT: 10.79 min Scan# 1458
 Delta R.T. -0.00 min
 Lab File: VW016723.D
 Acq: 30 Sep 2020 19:37

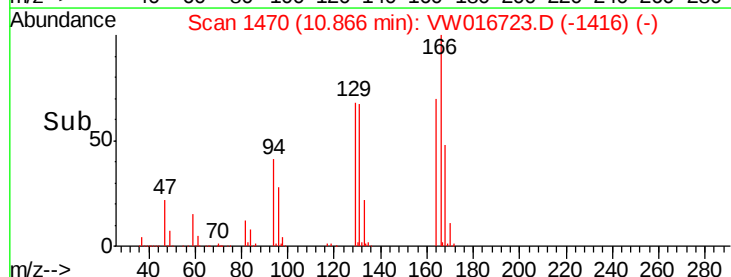
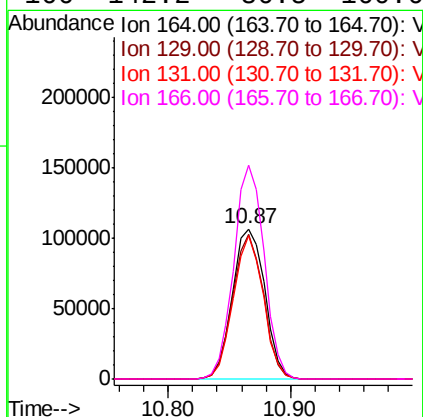
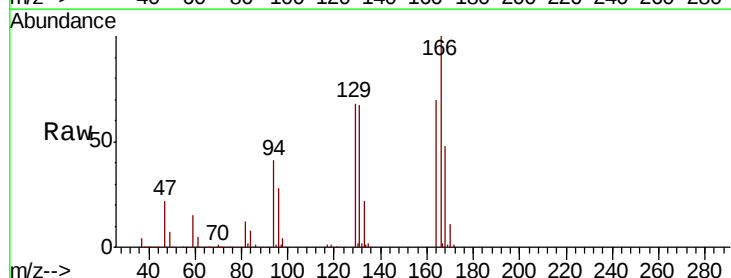
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02514

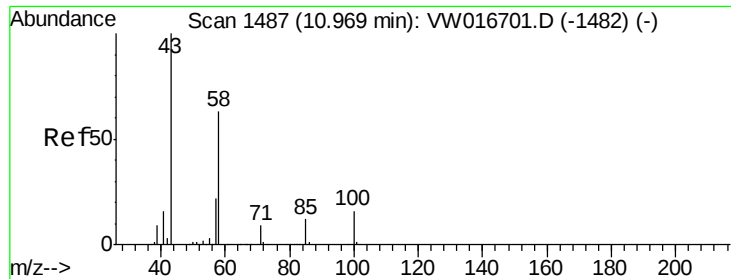
Tot Ion:	97	Resp:	141193
Ion	Ratio	Lower	Upper
97	100		
83	81.0	55.7	103.5
85	53.0	36.8	68.4
99	64.3	43.7	81.1



#47
 Tetrachloroethene
 Concen: 26.810 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. -0.00 min
 Lab File: VW016723.D
 Acq: 30 Sep 2020 19:37

Tgt Ion:	164	Resp:	195278
Ion	Ratio	Lower	Upper
164	100		
129	96.6	55.6	103.2
131	95.8	57.2	106.2
166	142.2	86.5	160.6

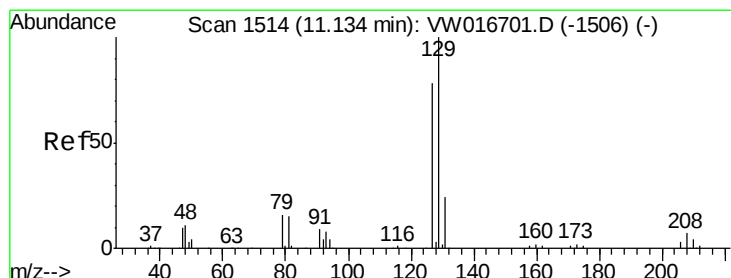
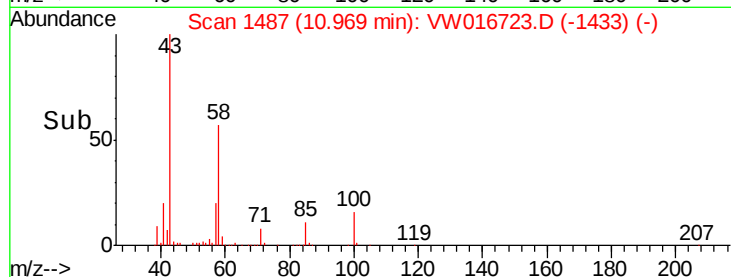
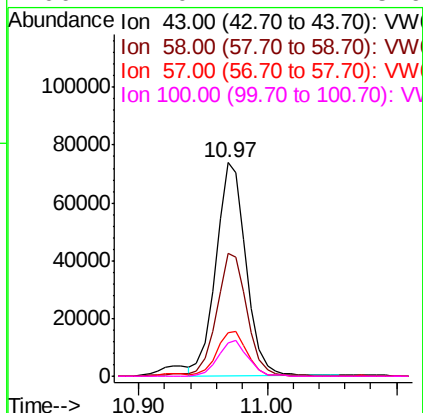
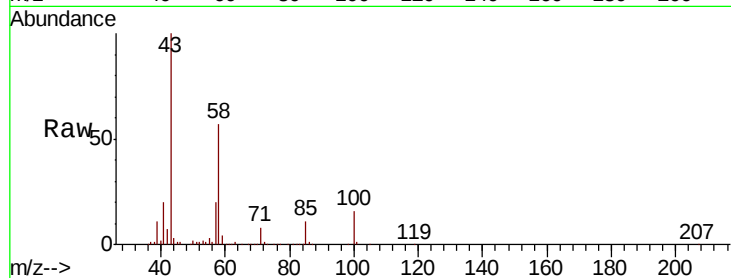




#49
2-Hexanone
Concen: 46.012 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW016723.D
Acq: 30 Sep 2020 19:37

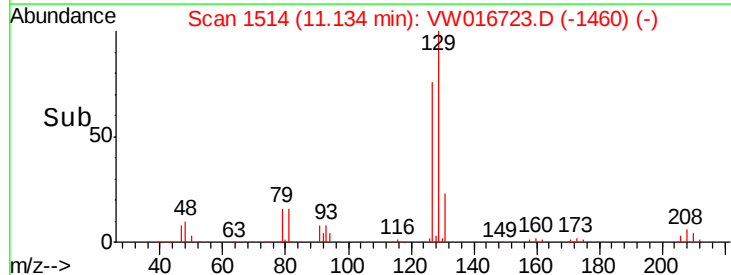
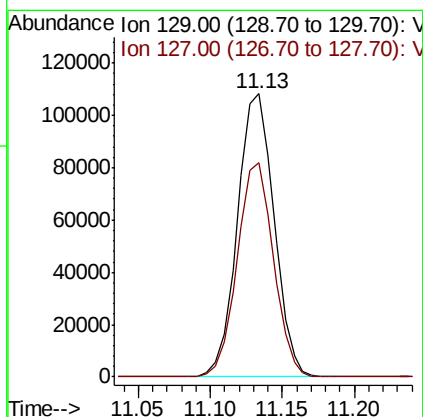
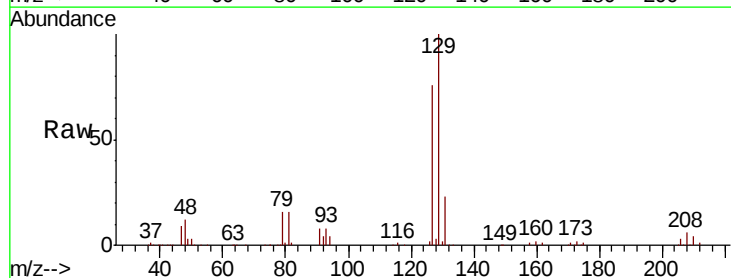
Instrument :
MSVOA_W
ClientSampleId :
VSTD02514

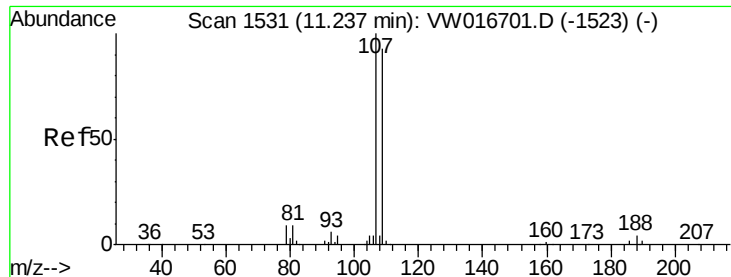
Tot Ion: 43 Resp: 120302
Ion Ratio Lower Upper
43 100
58 58.4 44.2 66.2
57 21.5 16.3 24.5
100 17.0 12.4 18.6



#50
Dibromochloromethane
Concen: 26.833 ug/L
RT: 11.13 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VW016723.D
Acq: 30 Sep 2020 19:37

Tgt Ion: 129 Resp: 191374
Ion Ratio Lower Upper
129 100
127 75.6 52.4 97.4

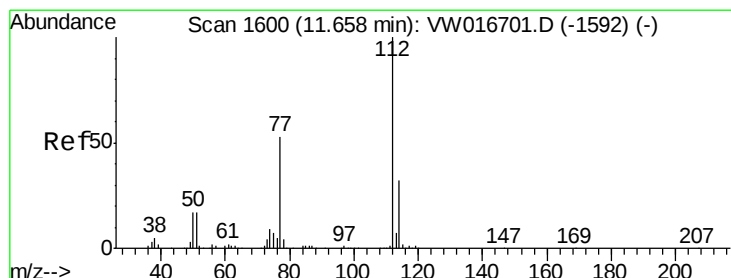
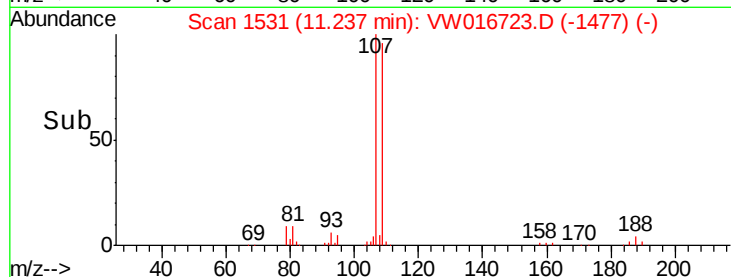
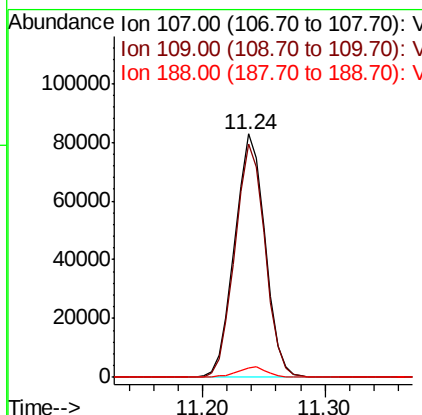
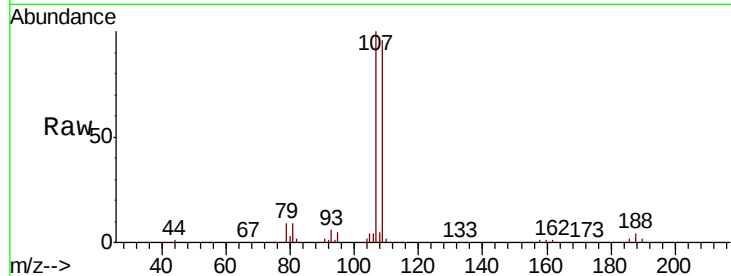




#51
 1,2-Dibromoethane
 Concen: 26.058 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW016723.D
 Acq: 30 Sep 2020 19:37

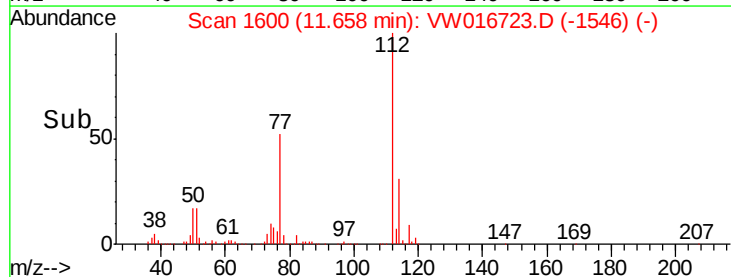
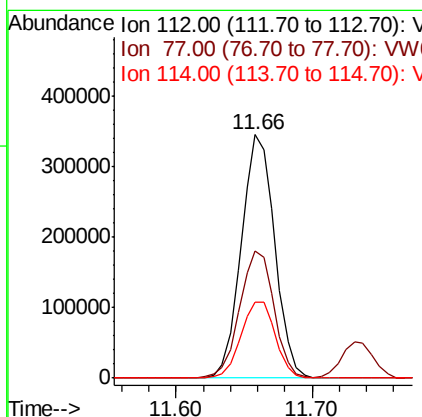
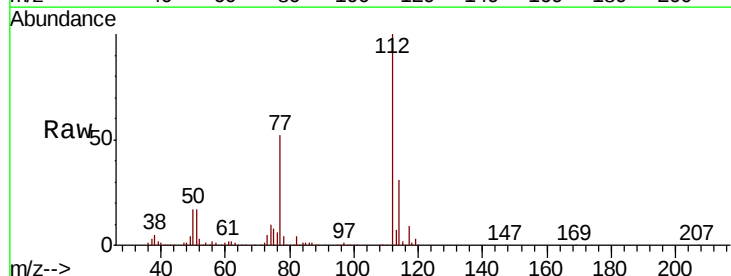
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02514

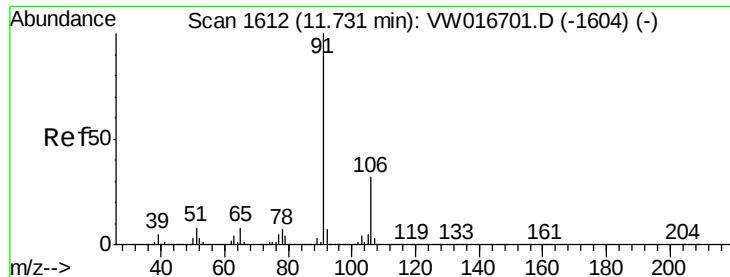
Tot Ion	Ratio	Lower	Upper
107	100		
109	96.0	63.0	117.0
188	3.9	3.1	4.7



#52
 Chlorobenzene
 Concen: 28.109 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW016723.D
 Acq: 30 Sep 2020 19:37

Tgt Ion	Ratio	Lower	Upper
112	100		
77	52.2	43.1	64.7
114	31.1	22.3	41.3

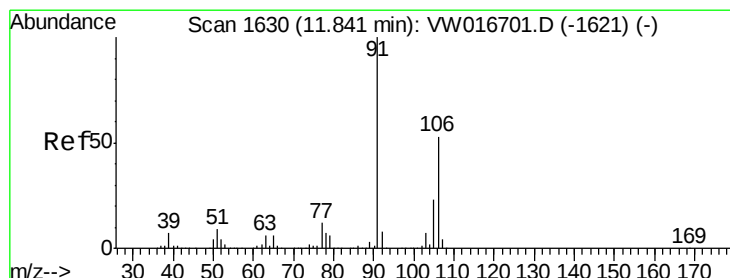
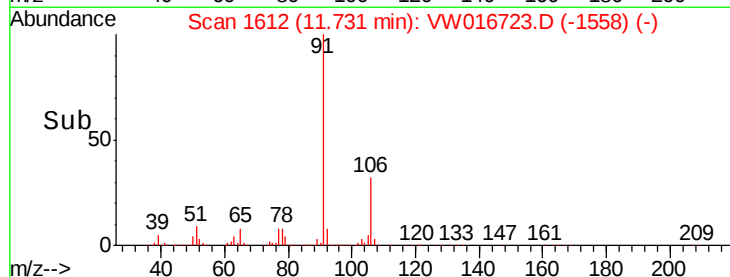
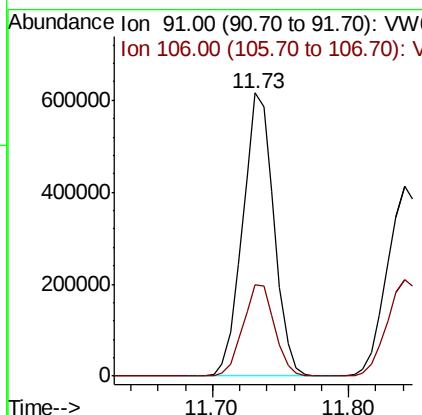
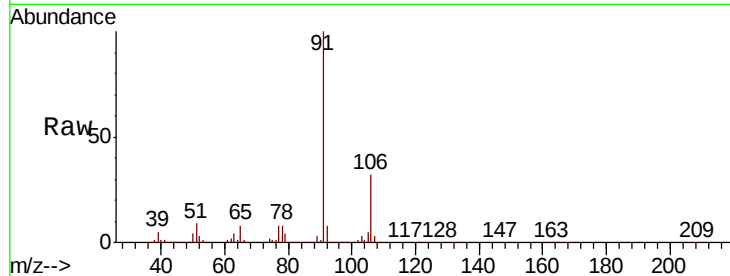




#53
Ethylbenzene
Concen: 27.752 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW016723.D
Acq: 30 Sep 2020 19:37

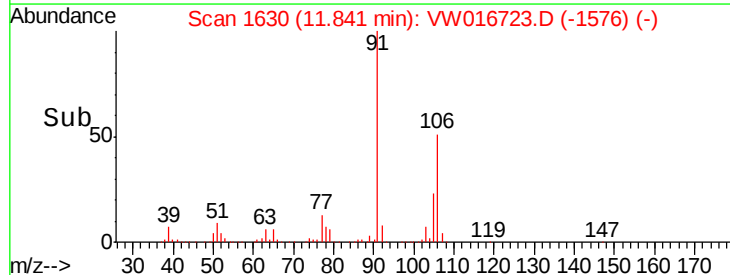
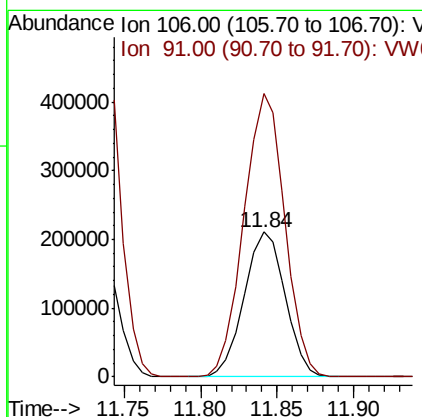
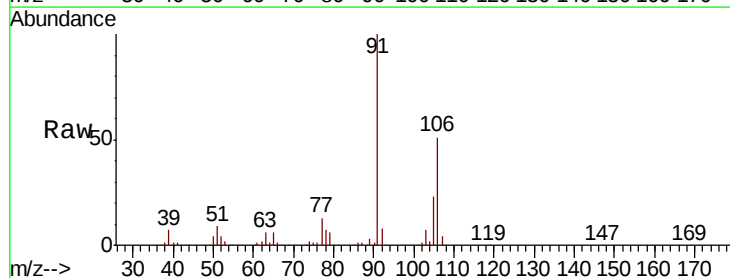
Instrument :
MSVOA_W
ClientSampleId :
VSTD02514

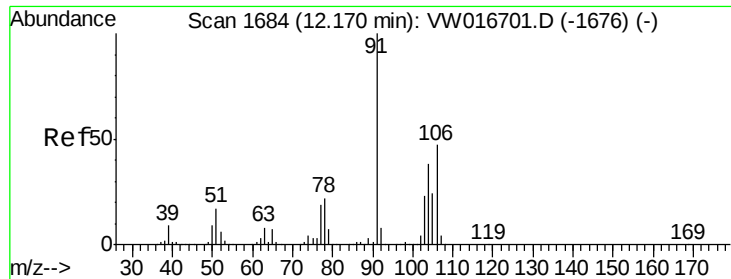
Tot Ion: 91 Resp: 987786
Ion Ratio Lower Upper
91 100
106 32.1 20.7 38.5



#54
m,p-Xylene
Concen: 28.186 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW016723.D
Acq: 30 Sep 2020 19:37

Tgt Ion:106 Resp: 392824
Ion Ratio Lower Upper
106 100
91 195.4 139.7 259.5

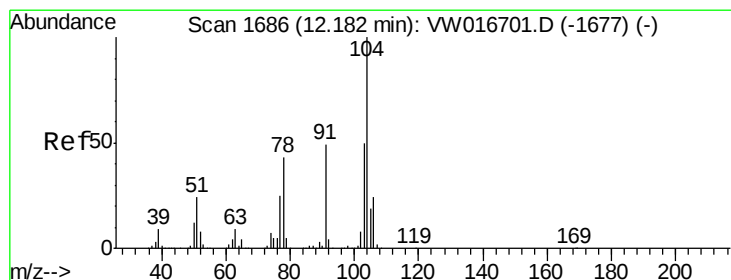
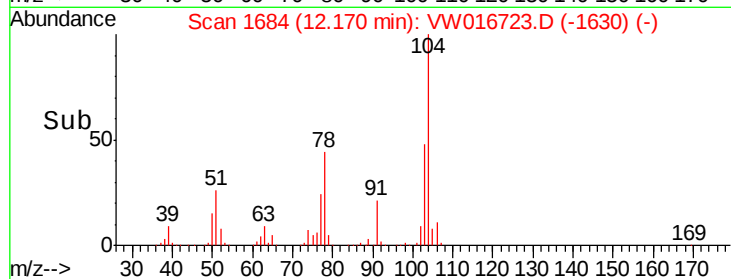
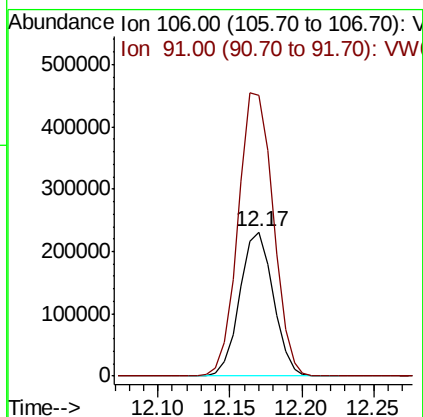
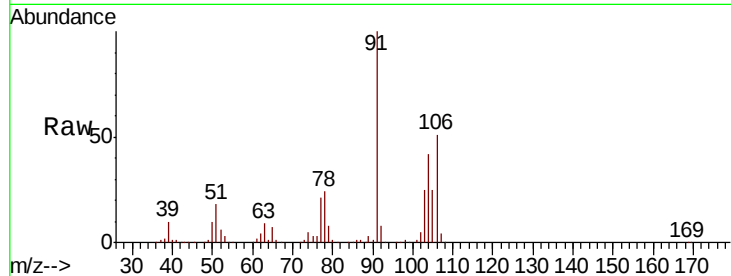




#55
o-xylene
Concen: 27.931 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW016723.D
Acq: 30 Sep 2020 19:37

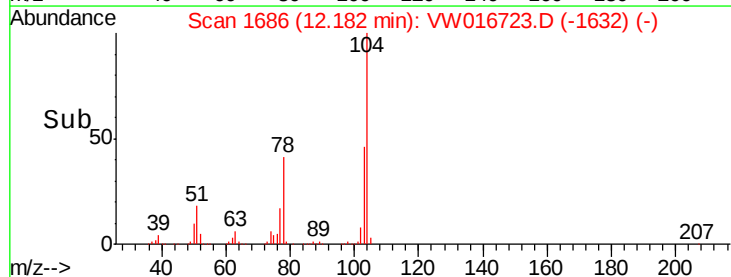
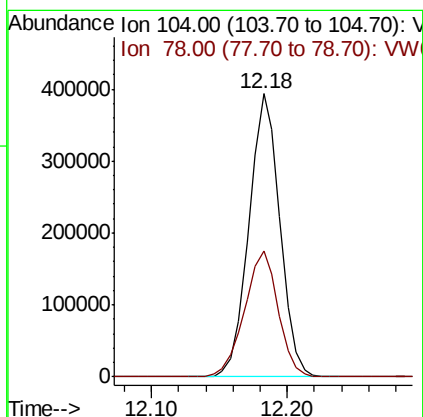
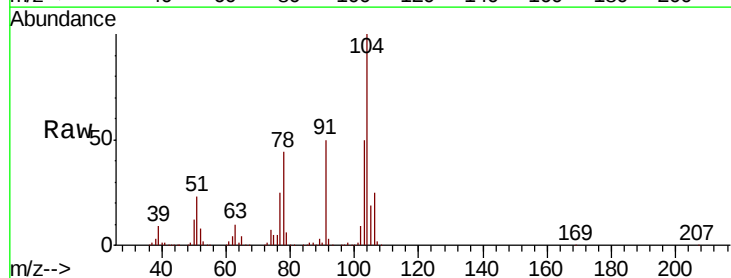
Instrument :
MSVOA_W
ClientSampleId :
VSTD02514

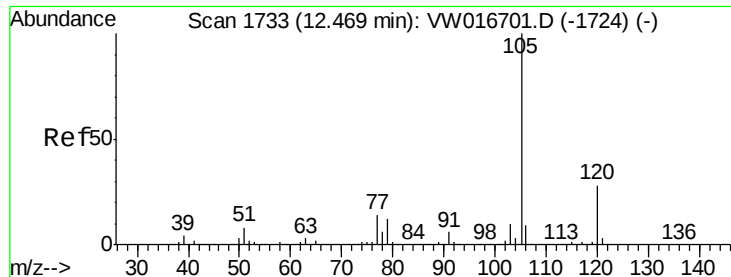
Tot Ion:106 Resp: 372933
Ion Ratio Lower Upper
106 100
91 194.7 144.8 268.8



#56
Styrene
Concen: 28.232 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW016723.D
Acq: 30 Sep 2020 19:37

Tgt Ion:104 Resp: 625955
Ion Ratio Lower Upper
104 100
78 44.4 31.4 58.2





#57

Isopropylbenzene

Concen: 28.403 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW016723.D

Acq: 30 Sep 2020 19:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD02514

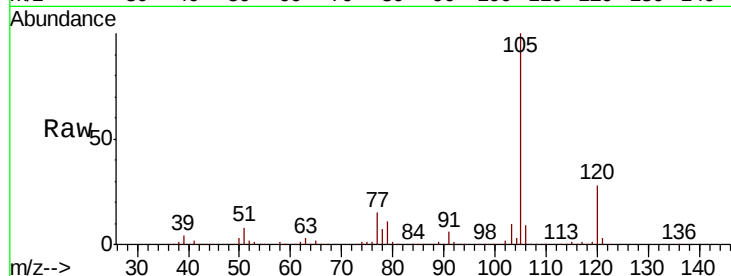
Tot Ion:105 Resp: 1036252

Ion Ratio Lower Upper

105 100

120 27.0 21.8 32.8

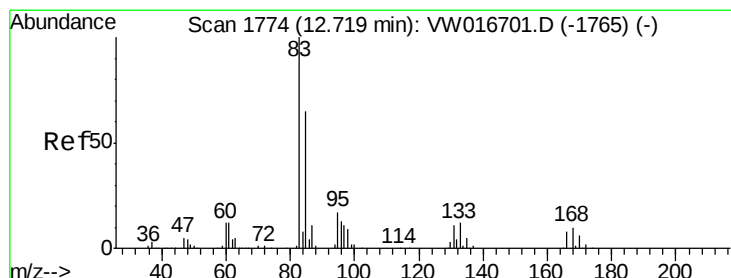
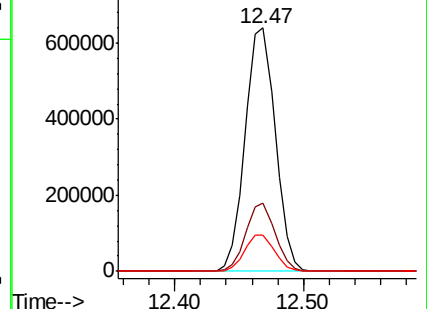
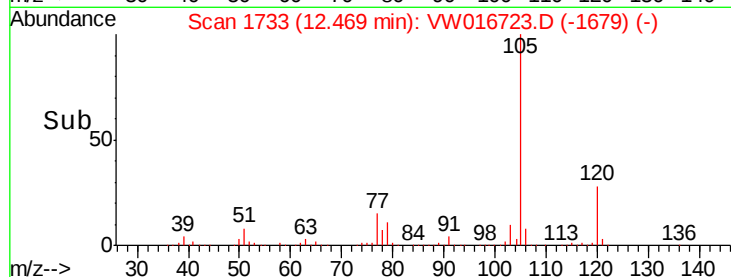
77 15.0 12.2 18.2



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: 25.207 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW016723.D

Acq: 30 Sep 2020 19:37

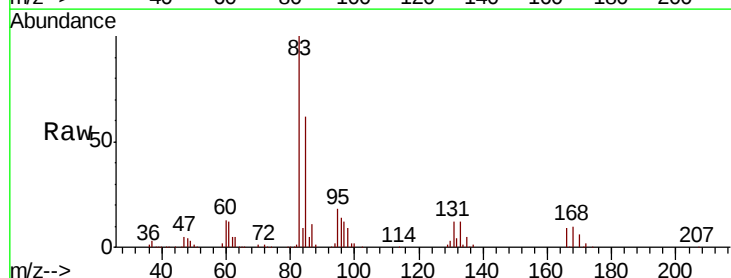
Tgt Ion: 83 Resp: 153983

Ion Ratio Lower Upper

83 100

85 62.5 46.0 85.4

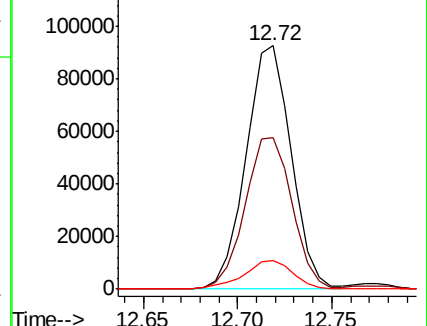
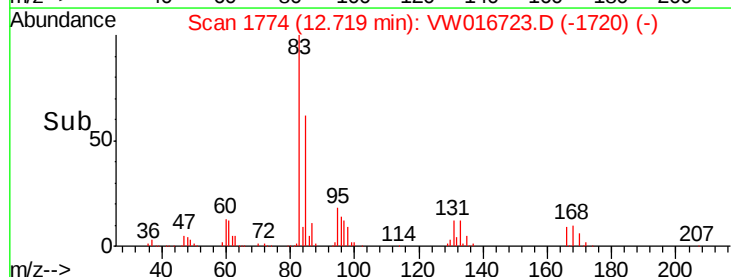
131 11.7 9.0 13.6

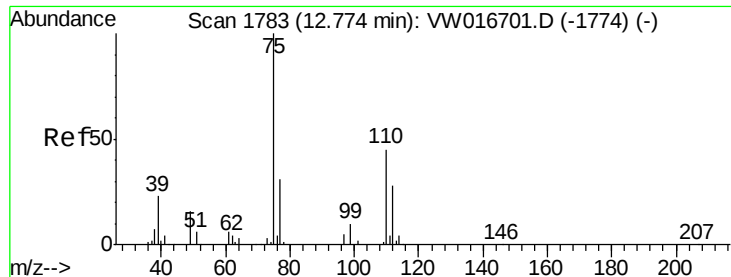


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 24.771 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW016723.D

Acq: 30 Sep 2020 19:37

Instrument :

MSVOA_W

ClientSampleId :

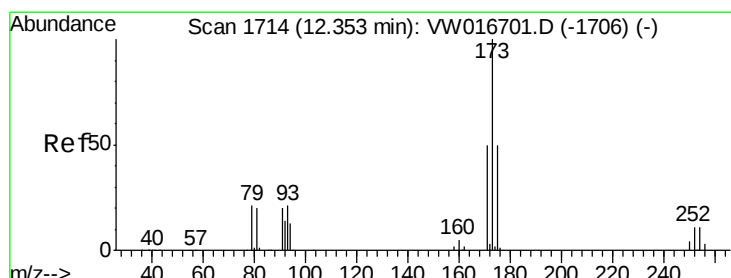
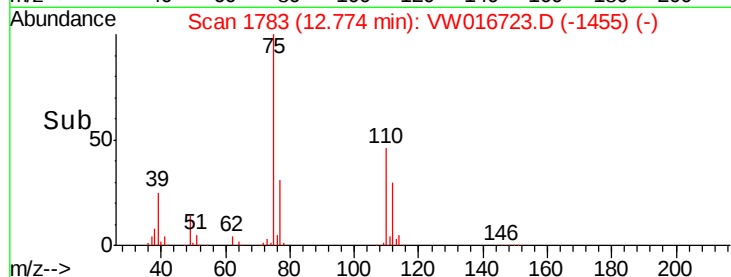
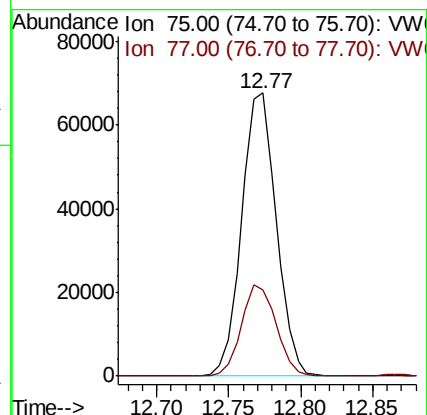
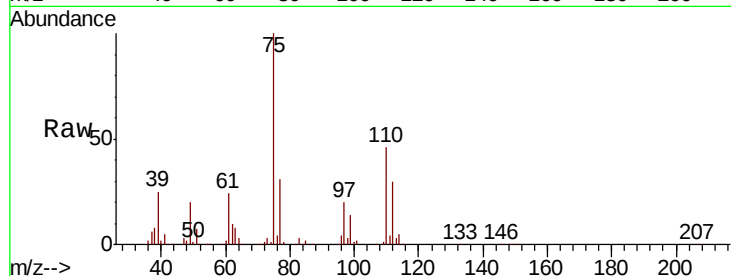
VSTD02514

Tot Ion: 75 Resp: 112709

Ion Ratio Lower Upper

75 100

77 32.5 26.2 39.4



#62

Bromoform

Concen: 23.805 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW016723.D

Acq: 30 Sep 2020 19:37

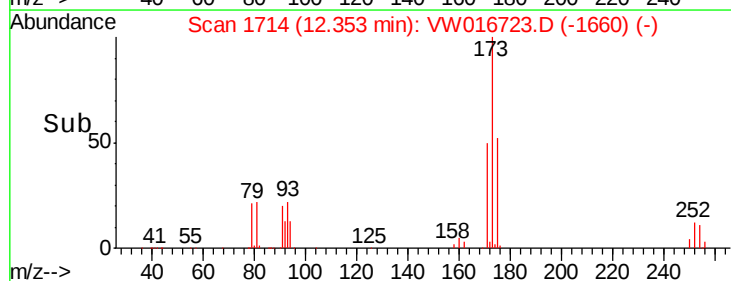
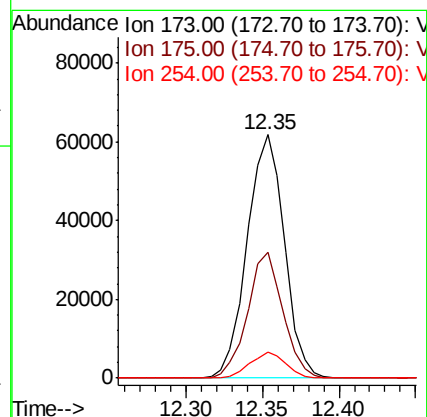
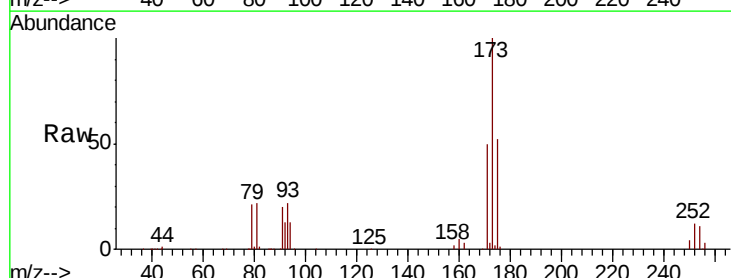
Tgt Ion: 173 Resp: 104709

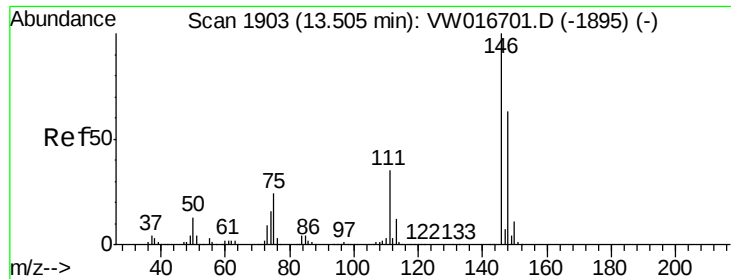
Ion Ratio Lower Upper

173 100

175 48.8 38.6 57.8

254 10.3 8.2 12.4

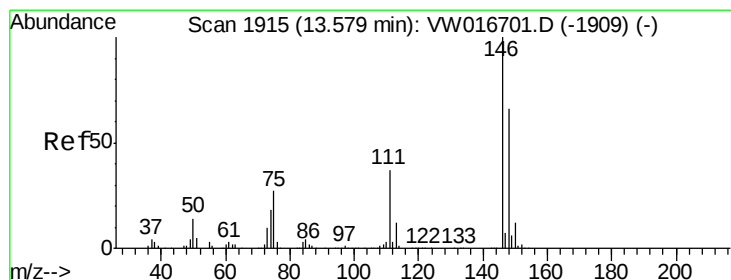
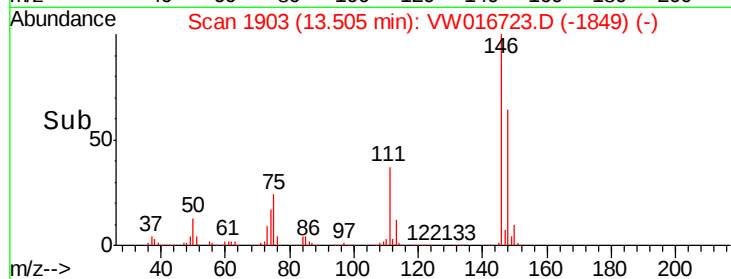
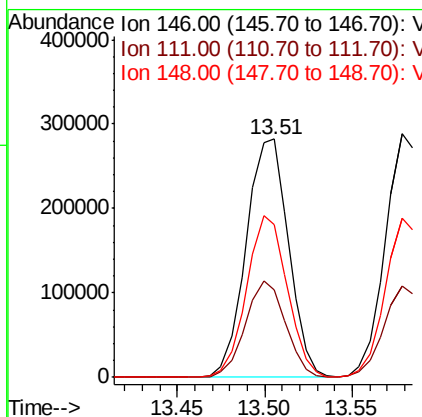
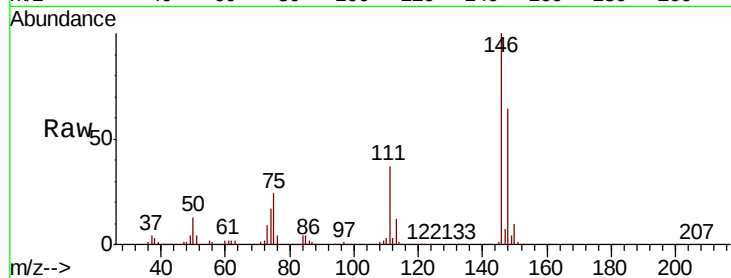




#63
 1,3-Dichlorobenzene
 Concen: 28.039 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW016723.D
 Acq: 30 Sep 2020 19:37

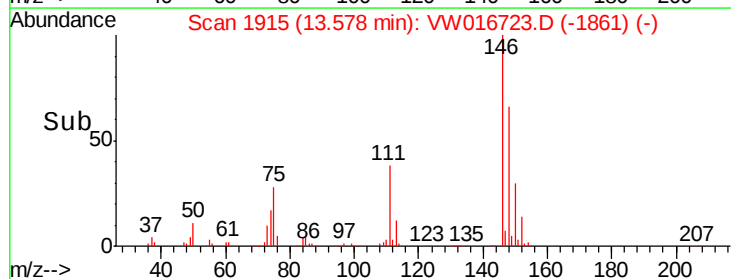
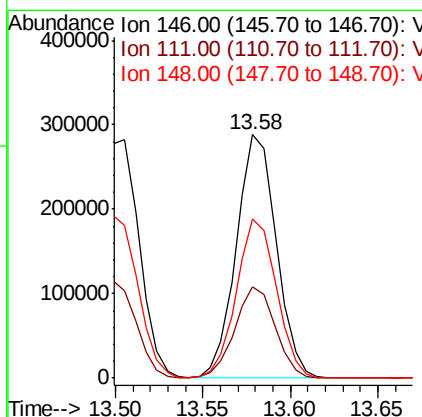
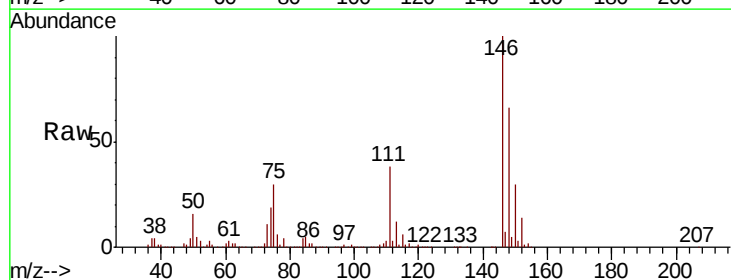
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02514

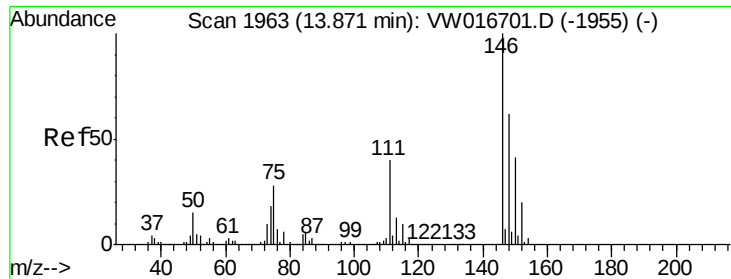
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	25.0	46.4
148	64.1	44.0	81.8



#64
 1,4-Dichlorobenzene
 Concen: 27.654 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW016723.D
 Acq: 30 Sep 2020 19:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	25.1	46.5
148	65.6	42.3	78.5

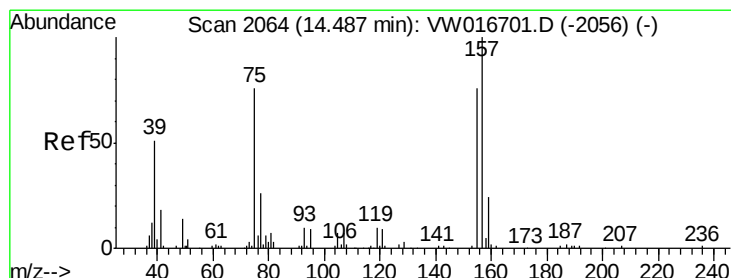
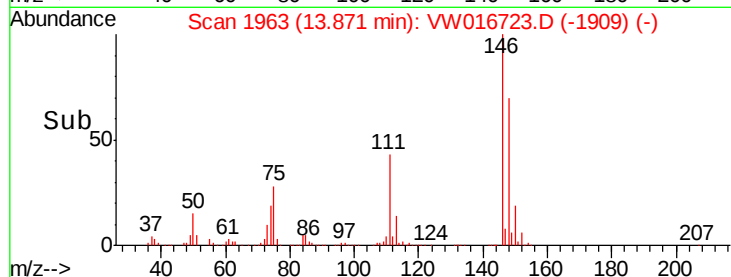
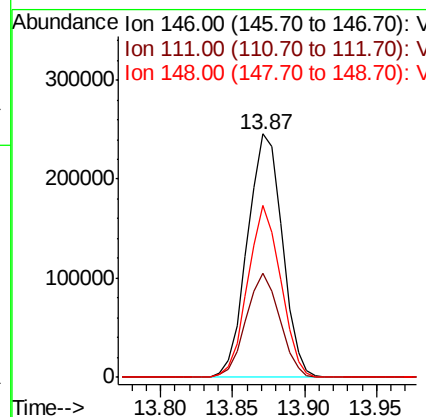
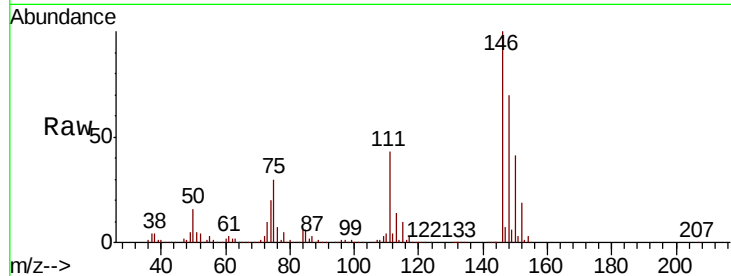




#65
 1,2-Dichlorobenzene
 Concen: 27.053 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW016723.D
 Acq: 30 Sep 2020 19:37

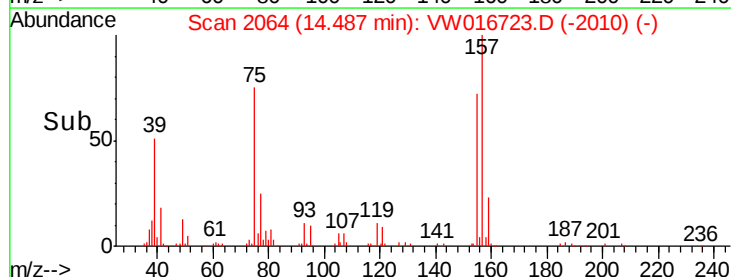
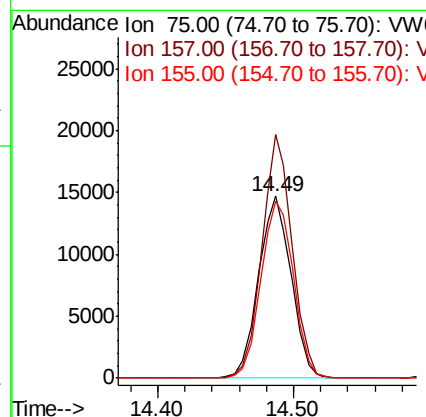
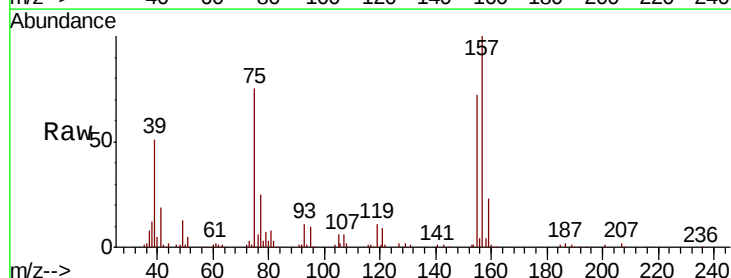
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02514

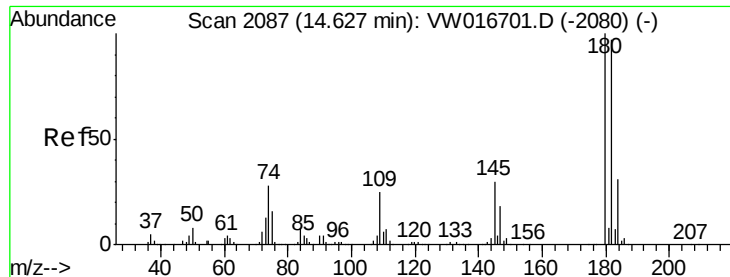
Tot Ion:146 Resp: 410035
 Ion Ratio Lower Upper
 146 100
 111 42.9 31.4 47.0
 148 70.4 49.3 73.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 22.610 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW016723.D
 Acq: 30 Sep 2020 19:37

Tgt Ion: 75 Resp: 24565
 Ion Ratio Lower Upper
 75 100
 157 133.9 92.2 138.4
 155 97.1 73.5 110.3

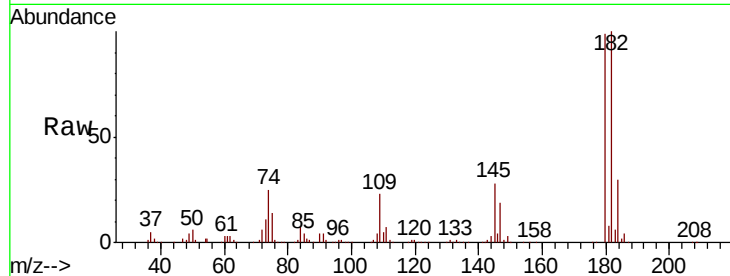




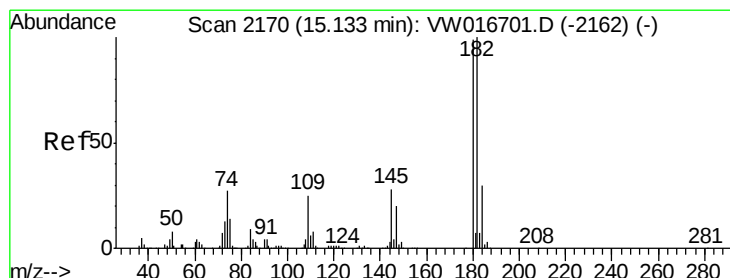
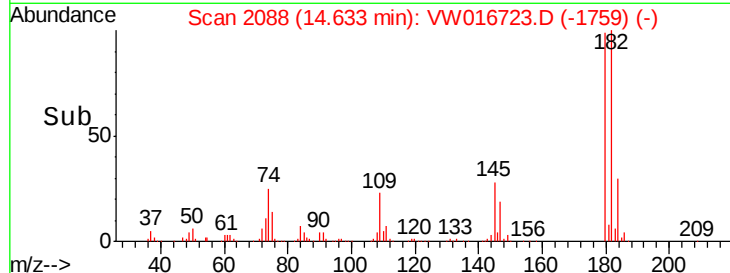
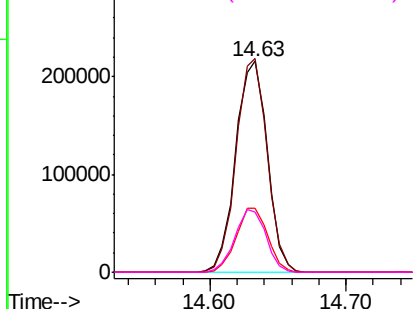
#67
 1,3,5-Trichlorobenzene
 Concen: 28.230 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.01 min
 Lab File: VW016723.D
 Acq: 30 Sep 2020 19:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02514

Tot Ion:180	Resp:	350213
Ion Ratio	Lower	Upper
180	100	
182	99.0	73.8 110.8
184	30.4	23.7 35.5
145	29.3	22.8 34.2

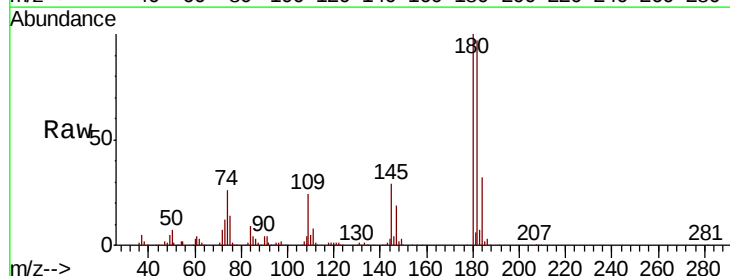


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

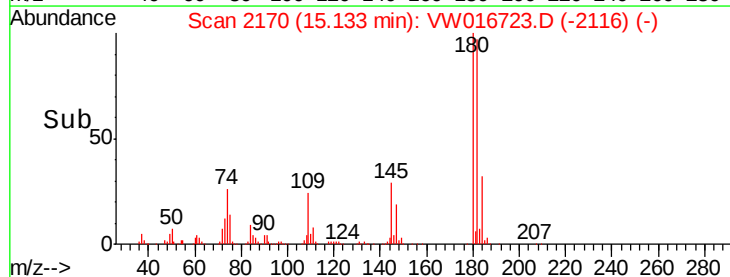
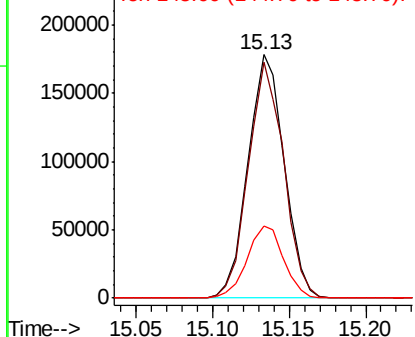


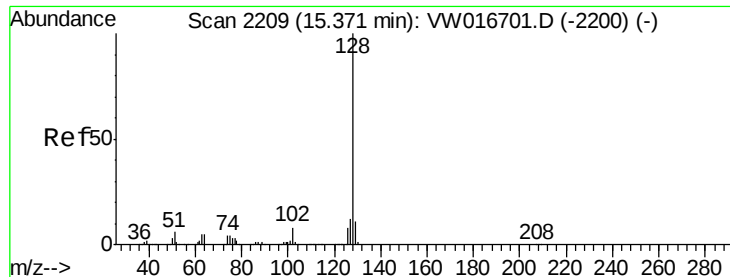
#68
 1,2,4-trichlorobenzene
 Concen: 29.302 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW016723.D
 Acq: 30 Sep 2020 19:37

Tgt Ion:180	Resp:	294066
Ion Ratio	Lower	Upper
180	100	
182	94.4	74.5 111.7
145	29.7	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: 27.113 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW016723.D

Acq: 30 Sep 2020 19:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD02514

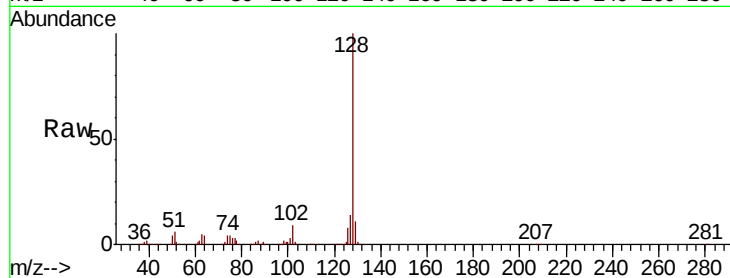
Tot Ion:128 Resp: 482350

Ion Ratio Lower Upper

128 100

129 10.9 8.9 13.3

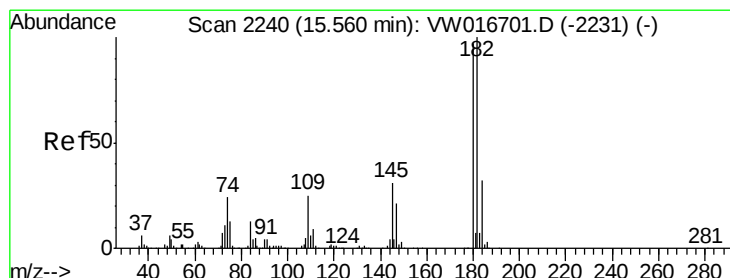
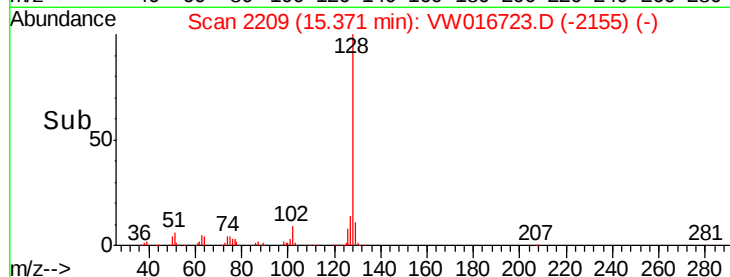
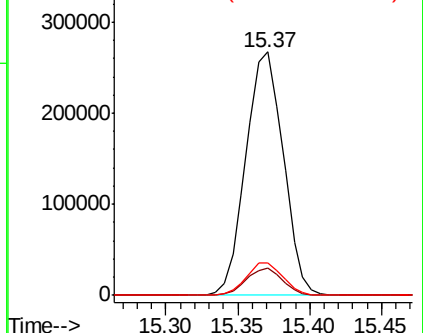
127 13.2 10.8 16.2



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: 28.489 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW016723.D

Acq: 30 Sep 2020 19:37

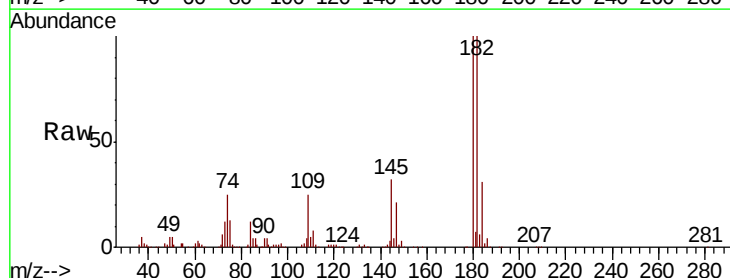
Tgt Ion:180 Resp: 245891

Ion Ratio Lower Upper

180 100

182 97.7 76.3 114.5

145 31.9 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

