

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101520\
 Data File : VW016904.D
 Acq On : 14 Oct 2020 19:32
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

Quant Time: Oct 15 08:37:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100720S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 15 08:29:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	540020	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	486376	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	249365	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	98499	18.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	73.96%
7) Chloroethane-d5	2.89	69	85123	19.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.20%
10) 1,1-Dichloroethene-d2	4.03	63	230750	20.40	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	81.60%
20) 2-Butanone-d5	7.09	46	61349	50.84	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.68%
24) Chloroform-d	7.65	84	241132	21.16	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	84.64%
26) 1,2-Dichloroethane-d4	8.31	65	119236	21.67	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	86.68%
29) Benzene-d6	8.28	84	443118	20.06	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	80.24%
33) 1,2-Dichloropropane-d6	9.28	67	127703	21.51	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	86.04%
37) Toluene-d8	10.33	98	414486	19.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	79.56%
38) trans-1,3-Dichloropropene-	10.58	79	54959	20.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	83.96%
39) 2-Hexanone-d5	10.93	63	51641	56.25	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	112.50%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	120962	25.22	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.88%
61) 1,2-Dichlorobenzene-d4	13.86	152	163815	20.71	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	82.84%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	136703	21.179	ug/L 100
3) Chloromethane	2.21	50	121583	21.369	ug/L 98
5) Vinyl chloride	2.37	62	195451	26.461	ug/L 99
6) Bromomethane	2.79	94	136963	25.222	ug/L 99
8) Chloroethane	2.93	64	117277	25.725	ug/L 99
9) Trichlorofluoromethane	3.26	101	140868	24.683	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	187157	25.742	ug/L 98
12) 1,1-Dichloroethene	4.05	96	176075	25.218	ug/L 93
13) Acetone	4.15	43	54794	60.006	ug/L 99
14) Carbon disulfide	4.39	76	489426	24.446	ug/L 99
15) Methyl Acetate	4.68	43	68411	31.356	ug/L 100
16) Methylene chloride	4.92	84	182694	24.514	ug/L 97
17) Methyl tert-butyl Ether	5.43	73	230061	29.445	ug/L 100
18) trans-1,2-Dichloroethene	5.43	96	184314	25.269	ug/L 98
19) 1,1-Dichloroethane	6.23	63	292601	26.049	ug/L 99
21) 2-Butanone	7.18	43	87941	57.368	ug/L 100
22) cis-1,2-Dichloroethene	7.18	96	193440	25.991	ug/L 97

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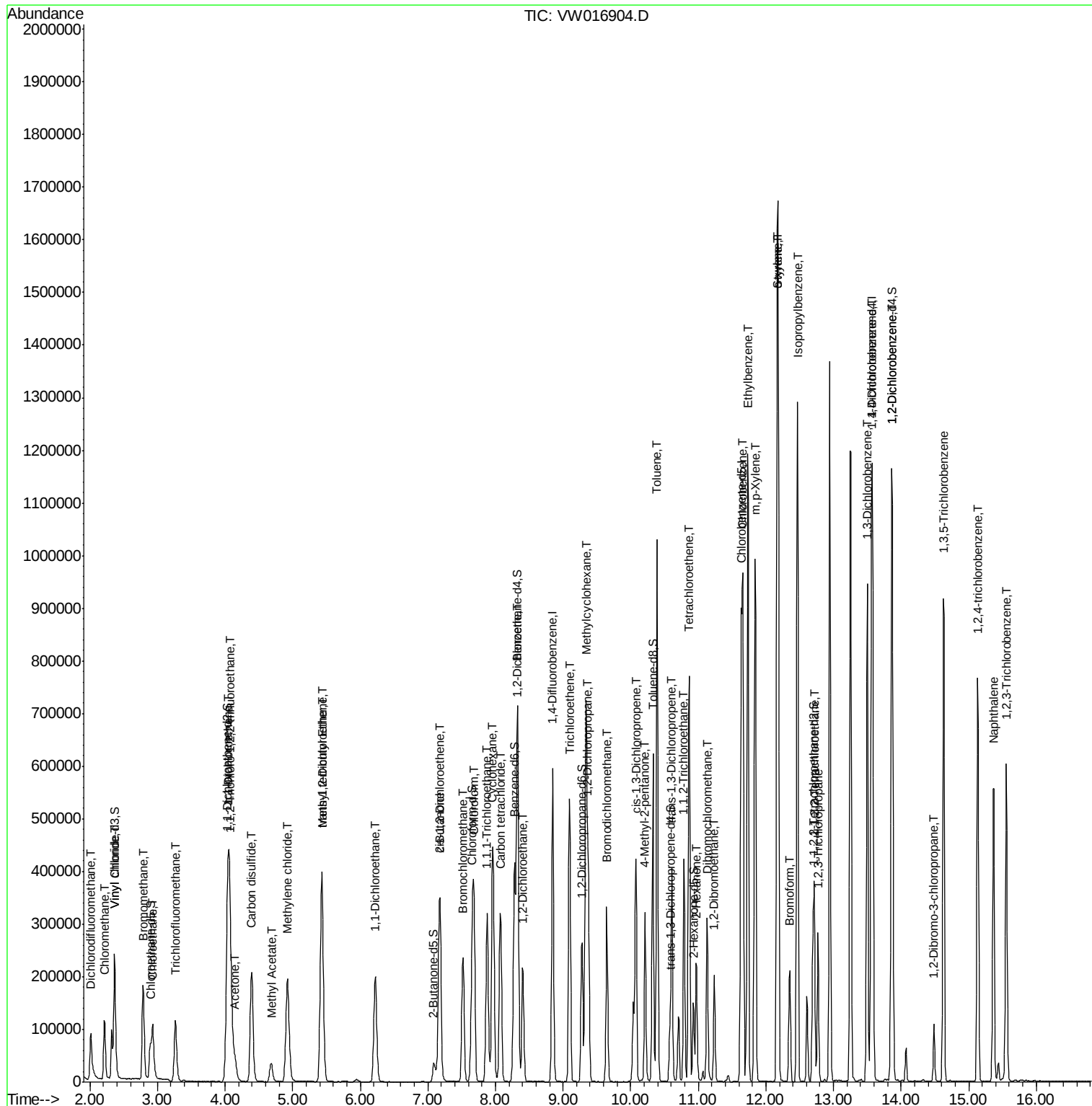
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	96996	27.752	uq/L	94
25) Chloroform	7.68	83	322098	26.554	uq/L	98
27) 1,2-Dichloroethane	8.40	62	202246	27.872	uq/L	99
30) Cyclohexane	7.96	56	253147	25.098	uq/L	98
31) 1,1,1-Trichloroethane	7.88	97	268684	25.977	uq/L	99
32) Carbon tetrachloride	8.07	117	258335	25.594	uq/L	98
34) Benzene	8.33	78	690931	26.453	uq/L	100
35) Trichloroethene	9.09	95	191620	25.936	uq/L	99
36) Methylcyclohexane	9.34	83	316464	25.475	uq/L	100
40) 1,2-Dichloropropane	9.37	63	160855	27.235	uq/L	99
41) Bromodichloromethane	9.65	83	226215	27.264	uq/L	99
42) cis-1,3-Dichloropropene	10.08	75	256006	27.187	uq/L	98
43) 4-Methyl-2-pentanone	10.21	43	196168	65.974	uq/L	99
44) Toluene	10.39	91	769454	26.556	uq/L	96
45) trans-1,3-Dichloropropene	10.61	75	222736	28.109	uq/L	99
46) 1,1,2-Trichloroethane	10.79	97	140735	29.313	uq/L	98
47) Tetrachloroethene	10.87	164	190125	27.757	uq/L	97
49) 2-Hexanone	10.97	43	132280	67.400	uq/L	99
50) Dibromochloromethane	11.13	129	172879	28.964	uq/L	98
51) 1,2-Dibromoethane	11.24	107	137490	29.141	uq/L	96
52) Chlorobenzene	11.66	112	513325	26.398	uq/L	97
53) Ethylbenzene	11.73	91	851383	26.193	uq/L	98
54) m,p-Xylene	11.84	106	333379	26.372	uq/L	100
55) o-xylene	12.17	106	322205	26.676	uq/L	93
56) Styrene	12.18	104	551833	27.687	uq/L	98
57) Isopropylbenzene	12.47	105	880868	26.633	uq/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	166571	31.393	uq/L	98
59) 1,2,3-Trichloropropane	12.77	75	120461	31.339	uq/L	98
62) Bromoform	12.35	173	101406	28.908	uq/L	98
63) 1,3-Dichlorobenzene	13.50	146	412627	26.000	uq/L	97
64) 1,4-Dichlorobenzene	13.58	146	414500	26.116	uq/L	99
65) 1,2-Dichlorobenzene	13.87	146	379854	26.732	uq/L	100
66) 1,2-Dibromo-3-chloropropan	14.49	75	25411	29.482	uq/L #	91
67) 1,3,5-Trichlorobenzene	14.63	180	310659	26.335	uq/L	97
68) 1,2,4-trichlorobenzene	15.13	180	257492	26.575	uq/L	97
69) Naphthalene	15.37	128	505087	31.480	uq/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	223857	26.887	uq/L	93

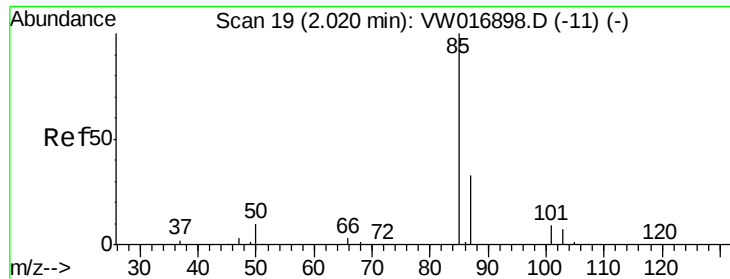
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 21.179 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.01 min

Lab File: VW016904.D

Acq: 14 Oct 2020 19:32

Instrument :

MSVOA_W

ClientSampleId :

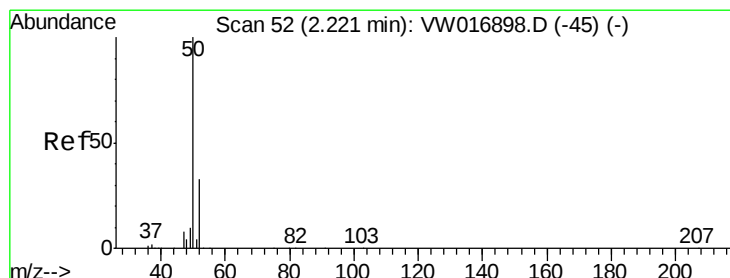
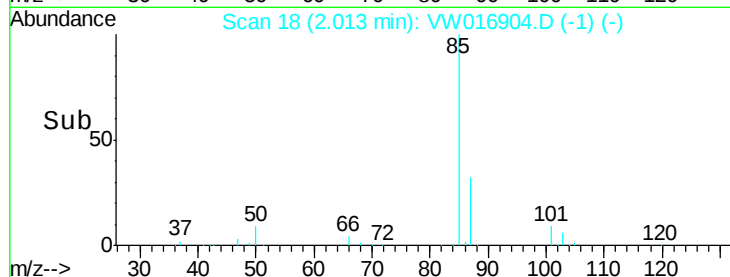
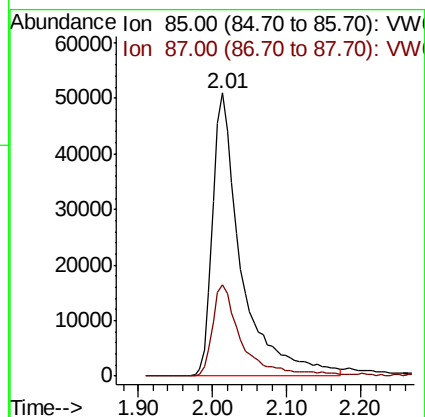
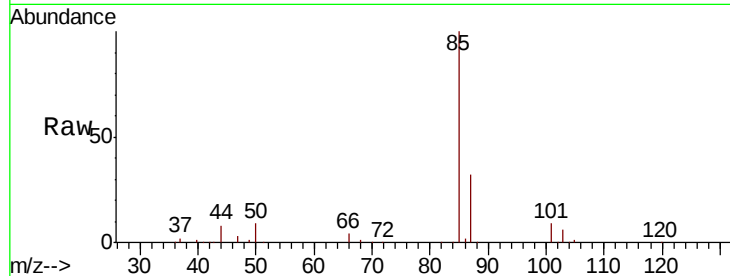
VSTD02510

Tot Ion: 85 Resp: 136703

Ion Ratio Lower Upper

85 100

87 29.0 20.4 37.8



#3

Chloromethane

Concen: 21.369 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW016904.D

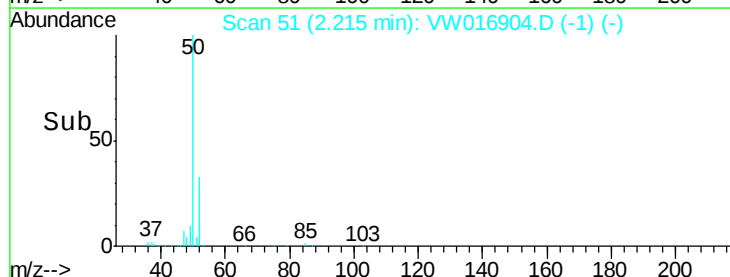
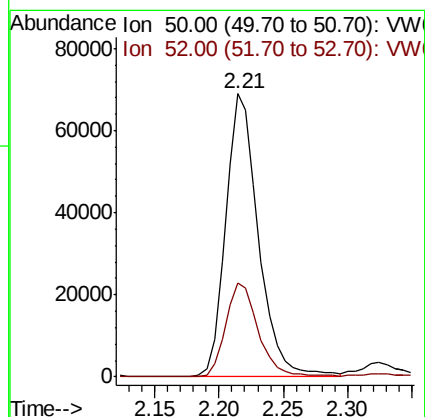
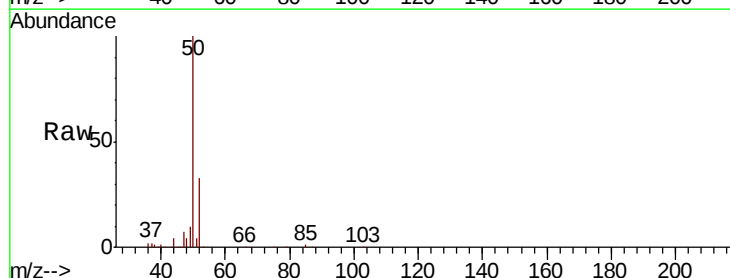
Acq: 14 Oct 2020 19:32

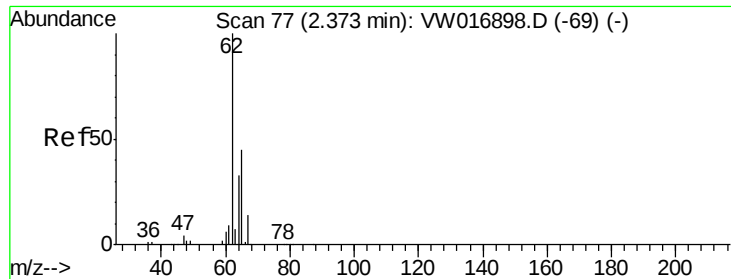
Tgt Ion: 50 Resp: 121583

Ion Ratio Lower Upper

50 100

52 33.4 22.7 42.3





#5

Vinyl chloride

Concen: 26.461 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW016904.D

Acq: 14 Oct 2020 19:32

Instrument :

MSVOA_W

ClientSampleId :

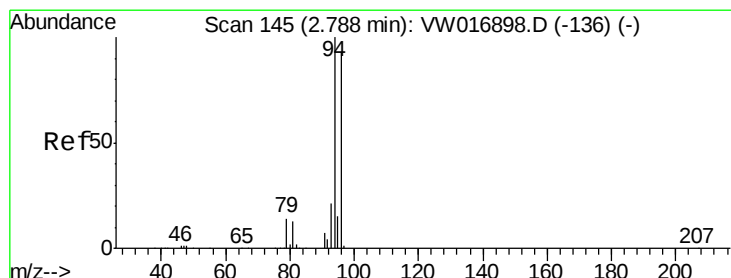
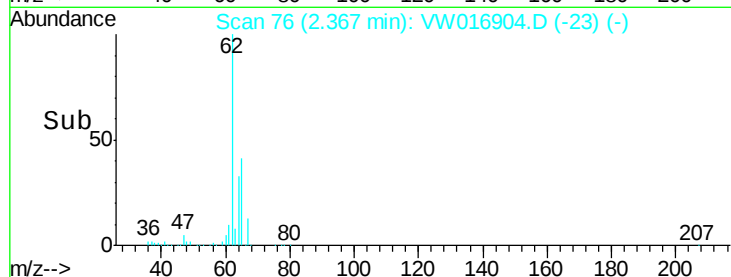
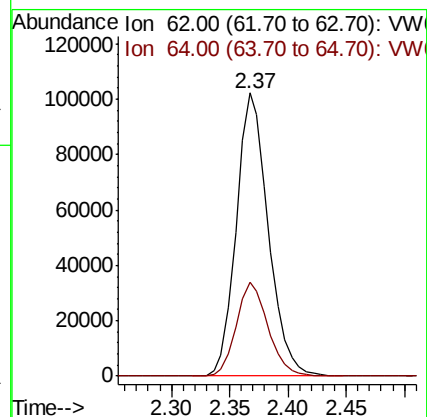
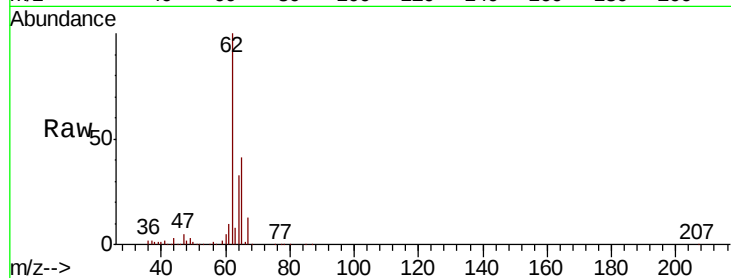
VSTD02510

Tot Ion: 62 Resp: 195451

Ion Ratio Lower Upper

62 100

64 33.0 23.5 43.7



#6

Bromomethane

Concen: 25.222 ug/L

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW016904.D

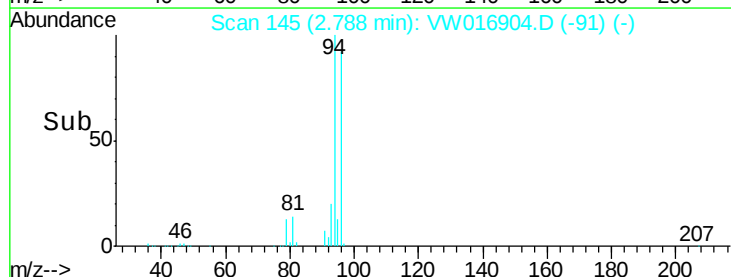
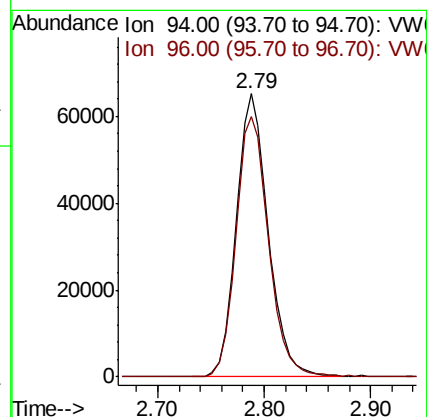
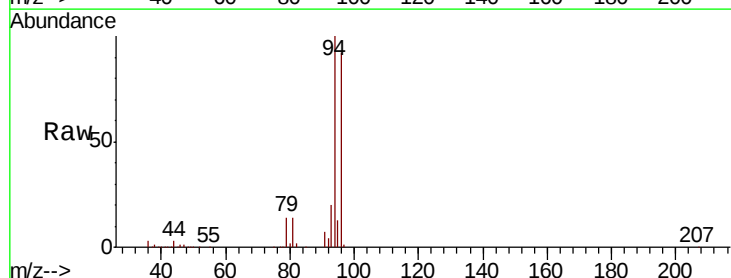
Acq: 14 Oct 2020 19:32

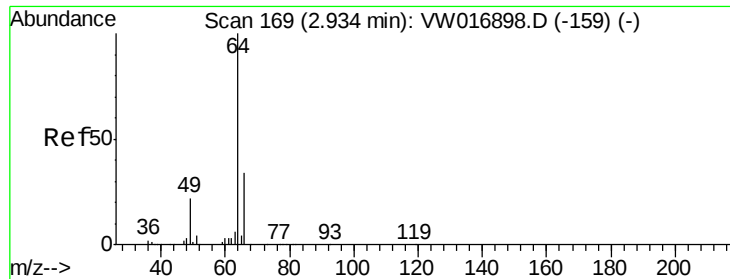
Tgt Ion: 94 Resp: 136963

Ion Ratio Lower Upper

94 100

96 94.1 9.5 180.7

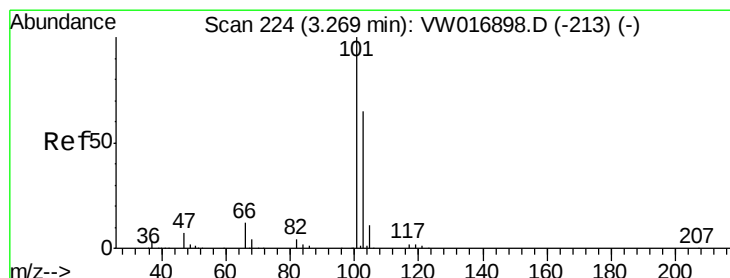
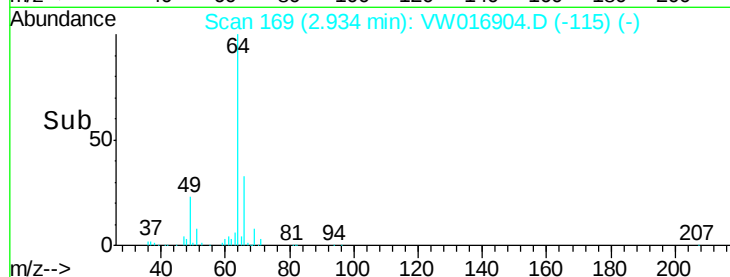
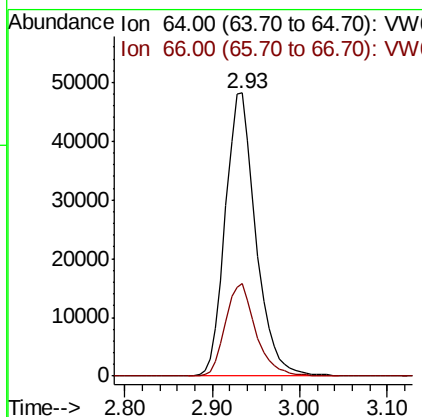
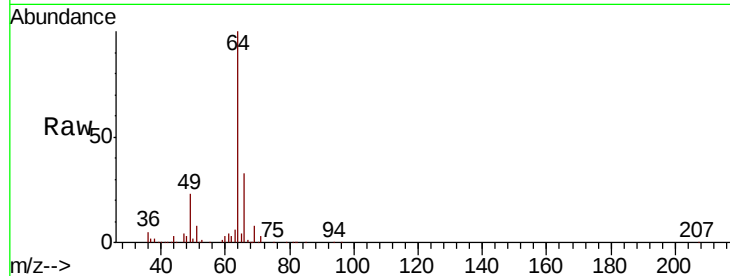




#8
 Chloroethane
 Concen: 25.725 ug/L
 RT: 2.93 min Scan# 169
 Delta R.T. -0.00 min
 Lab File: VW016904.D
 Acq: 14 Oct 2020 19:32

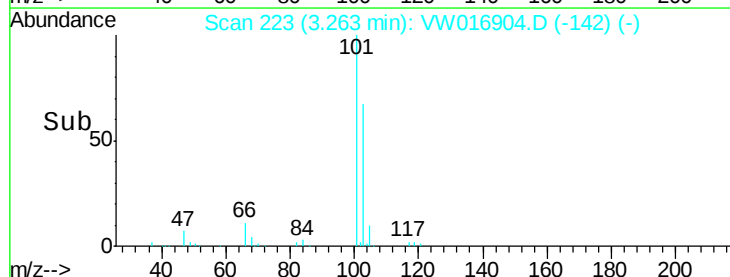
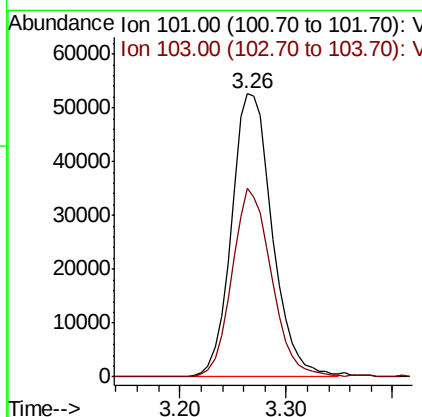
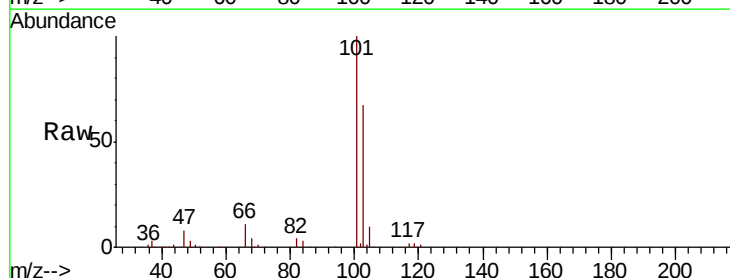
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02510

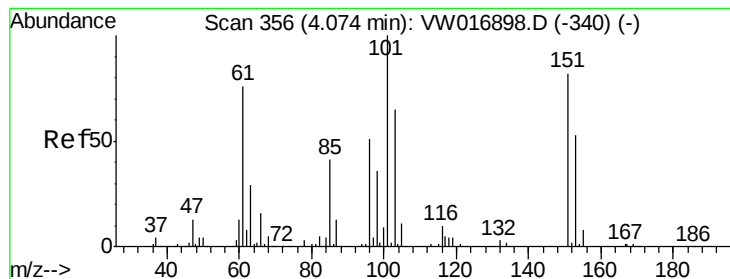
Tot Ion: 64 Resp: 117277
 Ion Ratio Lower Upper
 64 100
 66 32.9 22.5 41.7



#9
 Trichlorofluoromethane
 Concen: 24.683 ug/L
 RT: 3.26 min Scan# 223
 Delta R.T. -0.01 min
 Lab File: VW016904.D
 Acq: 14 Oct 2020 19:32

Tgt Ion: 101 Resp: 140868
 Ion Ratio Lower Upper
 101 100
 103 64.7 45.2 84.0





#11

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

Concen: 25.742 ug/L

RT: 4.07 min Scan# 356

Delta R.T. -0.00 min

Lab File: VW016904.D

Acq: 14 Oct 2020 19:32

Instrument :

MSVOA_W

ClientSampleId :

VSTD02510

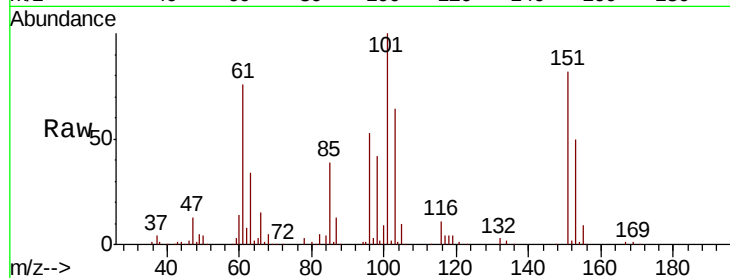
Tot Ion: 101 Resp: 187157

Ion Ratio Lower Upper

101 100

85 41.1 31.7 47.5

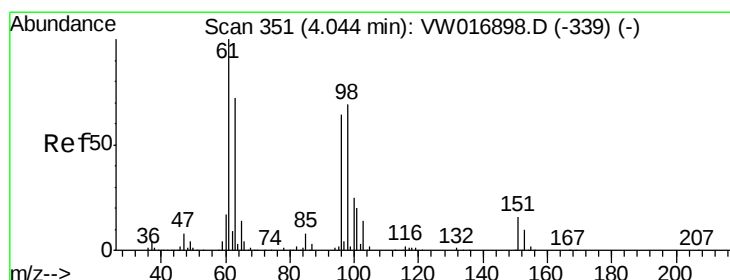
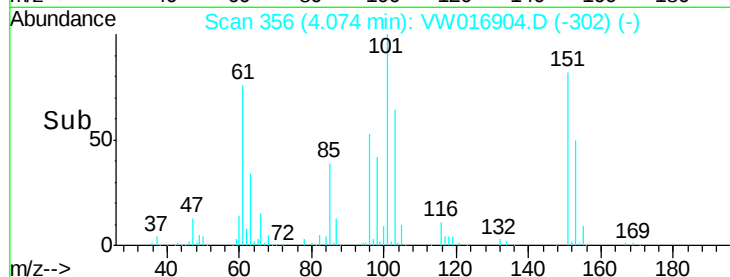
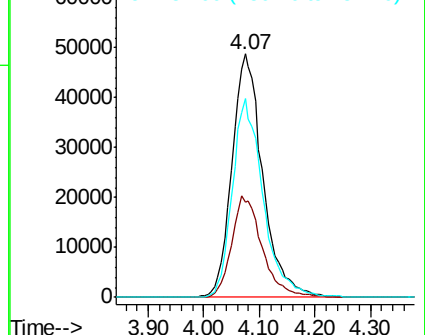
151 81.3 66.6 99.8



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: 25.218 ug/L

RT: 4.05 min Scan# 352

Delta R.T. 0.01 min

Lab File: VW016904.D

Acq: 14 Oct 2020 19:32

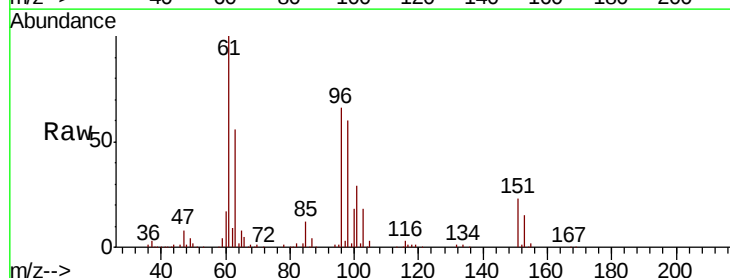
Tgt Ion: 96 Resp: 176075

Ion Ratio Lower Upper

96 100

61 151.3 105.1 195.1

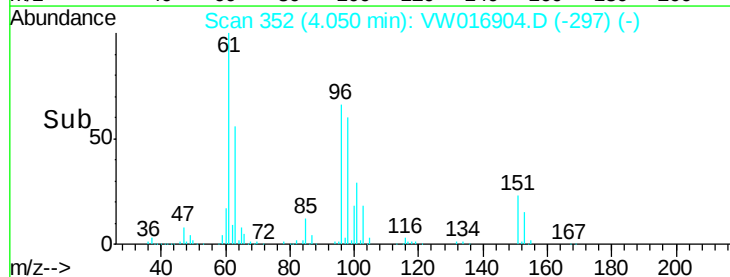
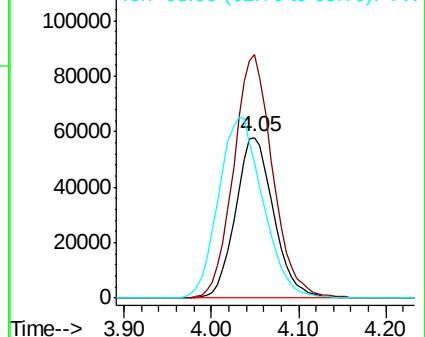
63 84.4 69.9 129.7

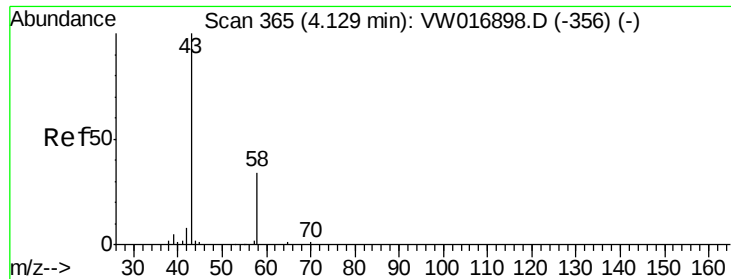


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 60.006 ug/L

RT: 4.15 min Scan# 368

Delta R.T. 0.02 min

Lab File: VW016904.D

Acq: 14 Oct 2020 19:32

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ClientSampleId :

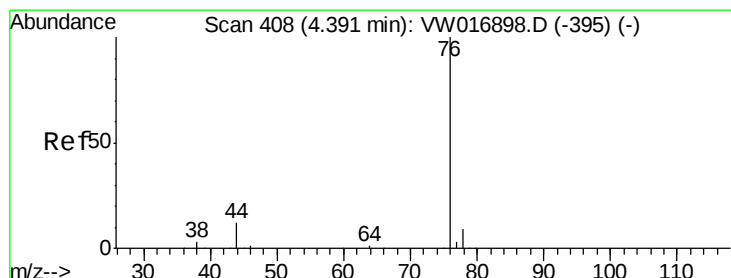
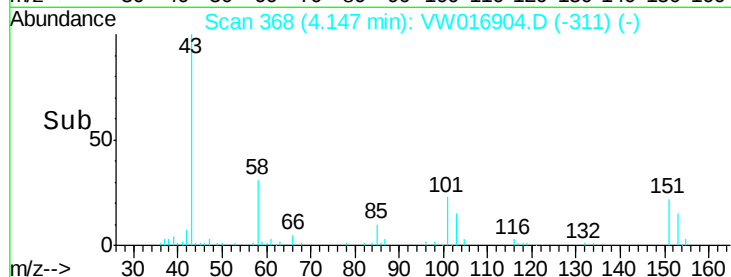
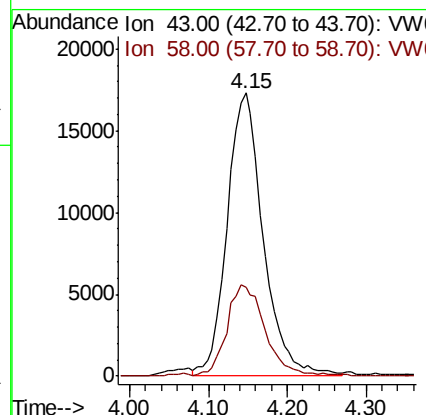
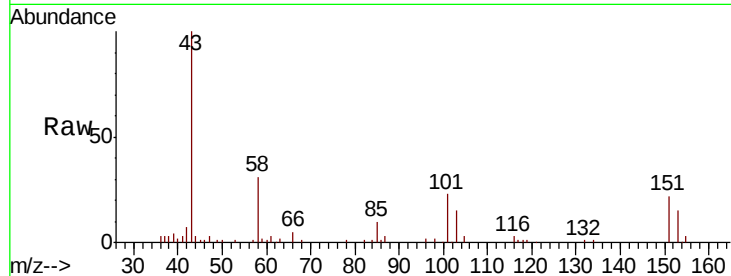
VSTD02510

Tot Ion: 43 Resp: 54794

Ion Ratio Lower Upper

43 100

58 34.3 0.0 67.6



#14

Carbon disulfide

Concen: 24.446 ug/L

RT: 4.39 min Scan# 408

Delta R.T. -0.00 min

Lab File: VW016904.D

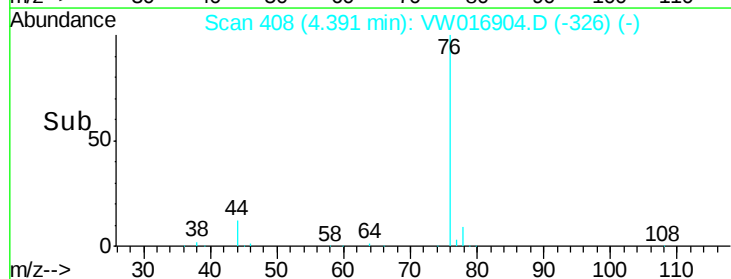
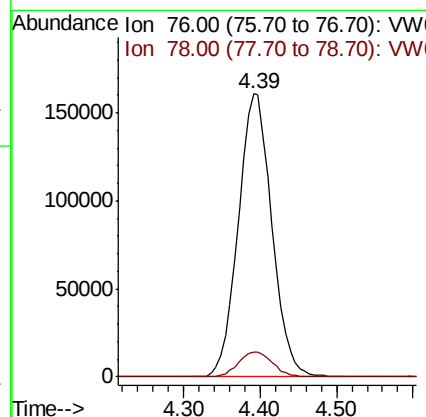
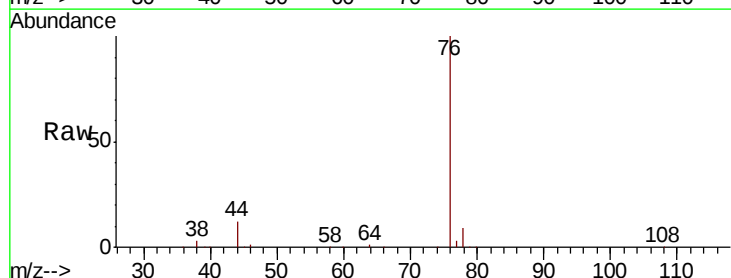
Acq: 14 Oct 2020 19:32

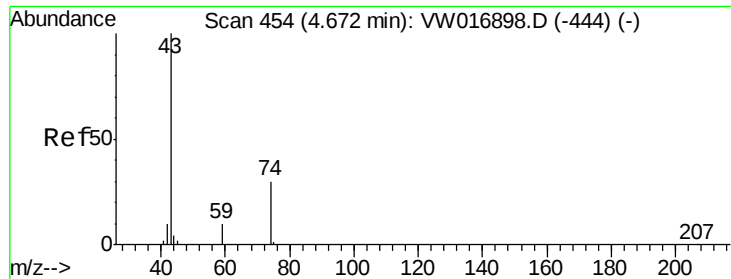
Tgt Ion: 76 Resp: 489426

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.0

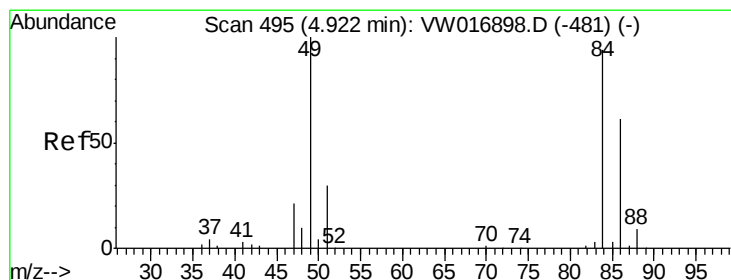
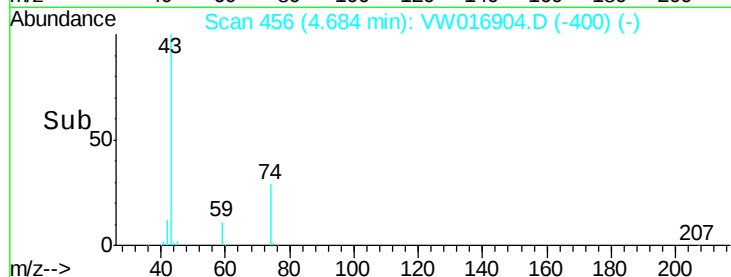
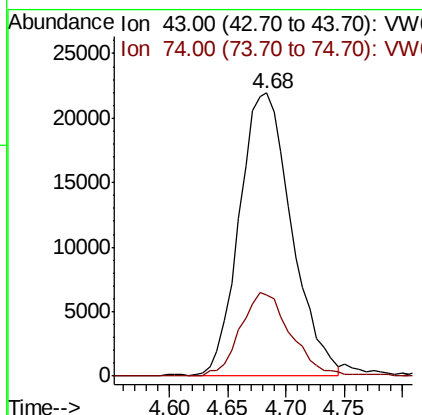
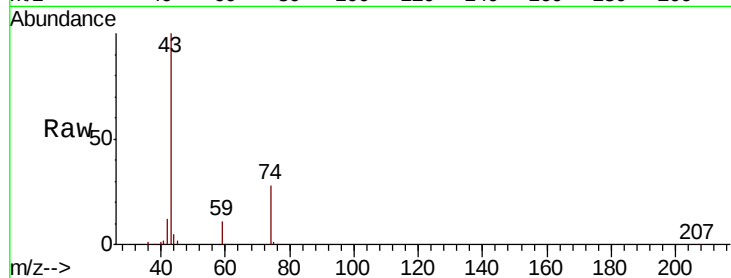




#15
Methyl Acetate
Concen: 31.356 ug/L
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW016904.D
Acq: 14 Oct 2020 19:32

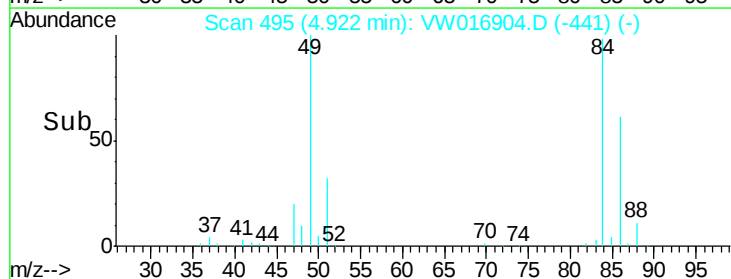
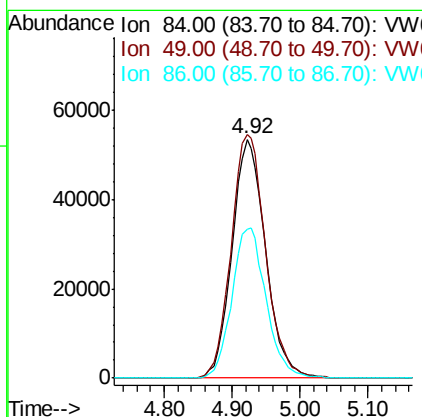
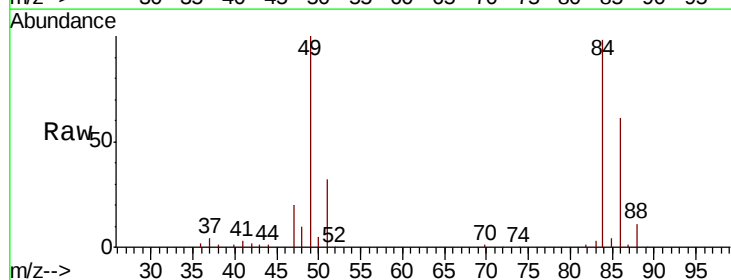
Instrument :
MSVOA_W
ClientSampleId :
VSTD02510

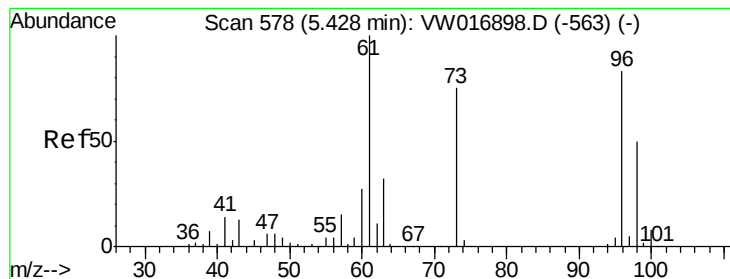
Tot Ion: 43 Resp: 68411
Ion Ratio Lower Upper
43 100
74 28.4 22.7 34.1



#16
Methylene chloride
Concen: 24.514 ug/L
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW016904.D
Acq: 14 Oct 2020 19:32

Tgt Ion: 84 Resp: 182694
Ion Ratio Lower Upper
84 100
49 102.0 73.1 135.8
86 62.5 46.0 85.4



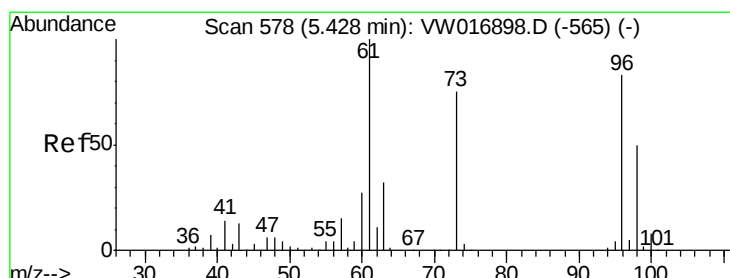
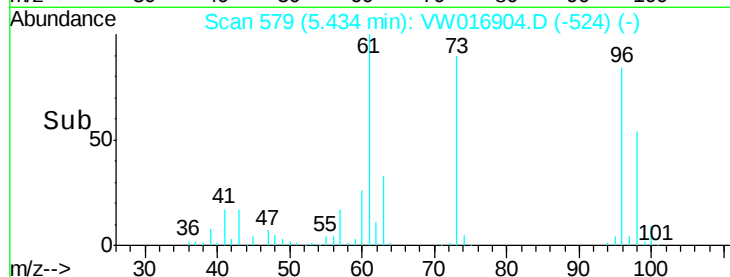
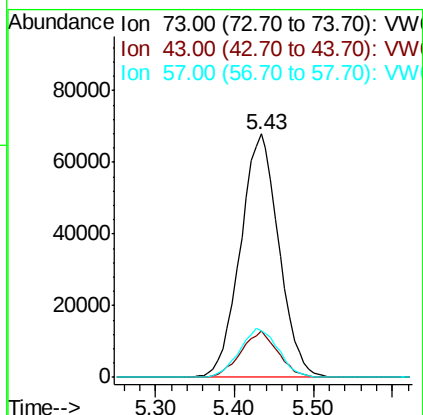
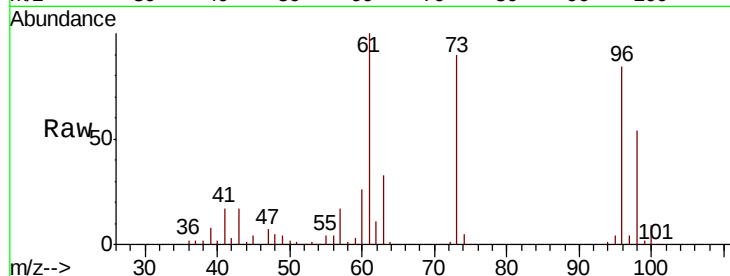


#17

Methyl tert-butyl Ether
 Concen: 29.445 ug/L
 RT: 5.43 min Scan# 579
 Delta R.T. 0.01 min
 Lab File: VW016904.D
 Acq: 14 Oct 2020 19:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

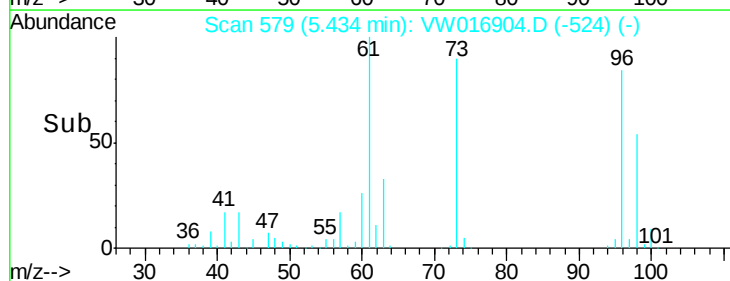
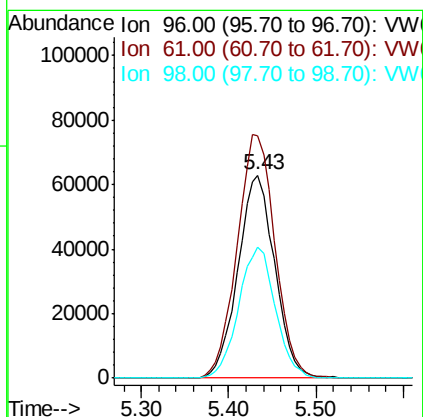
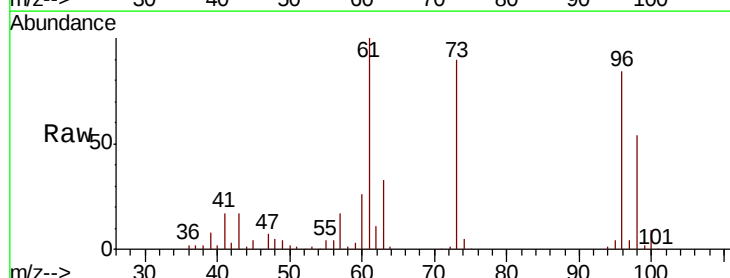
Tot Ion: 73 Resp: 230061
 Ion Ratio Lower Upper
 73 100
 43 18.6 15.0 22.4
 57 20.3 16.4 24.6

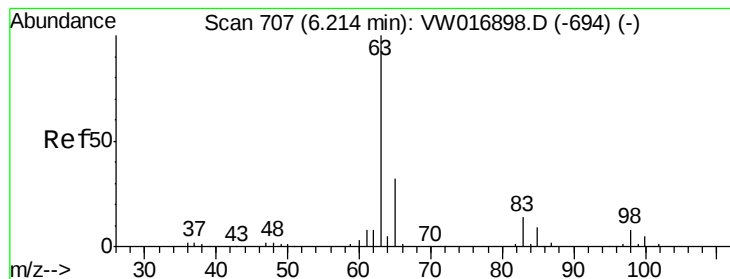


#18

trans-1,2-Dichloroethene
 Concen: 25.269 ug/L
 RT: 5.43 min Scan# 579
 Delta R.T. 0.01 min
 Lab File: VW016904.D
 Acq: 14 Oct 2020 19:32

Tgt Ion: 96 Resp: 184314
 Ion Ratio Lower Upper
 96 100
 61 119.6 82.5 153.3
 98 64.8 43.3 80.5





#19

1,1-Dichloroethane

Concen: 26.049 ug/L

RT: 6.23 min Scan# 709

Delta R.T. 0.01 min

Lab File: VW016904.D

Acq: 14 Oct 2020 19:32

Instrument :

MSVOA_W

ClientSampleId :

VSTD02510

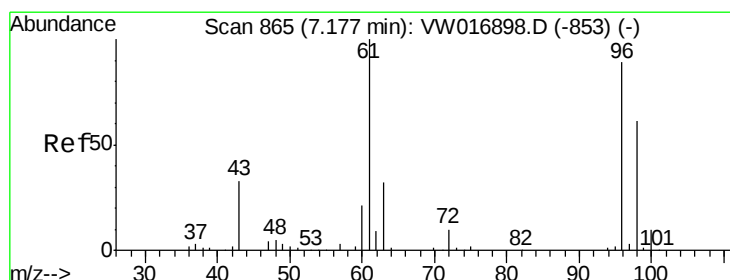
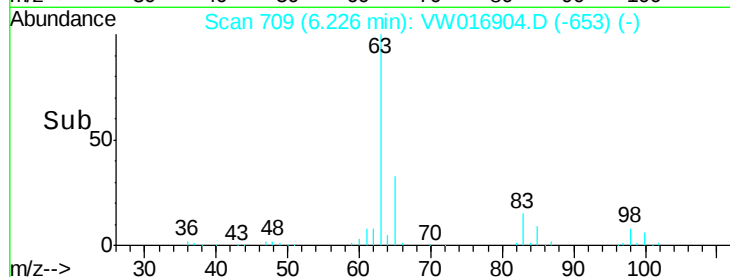
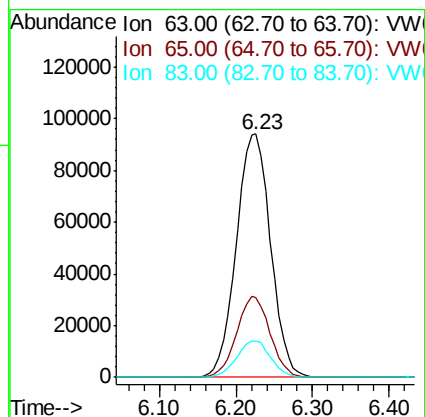
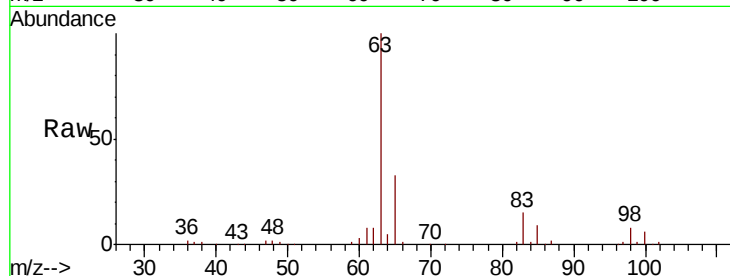
Tot Ion: 63 Resp: 292601

Ion Ratio Lower Upper

63 100

65 32.5 22.7 42.1

83 14.8 9.9 18.5



#21

2-Butanone

Concen: 57.368 ug/L

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW016904.D

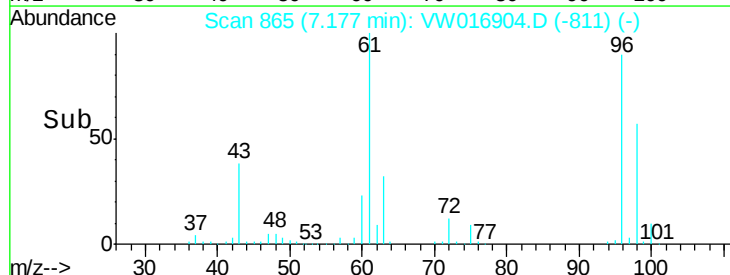
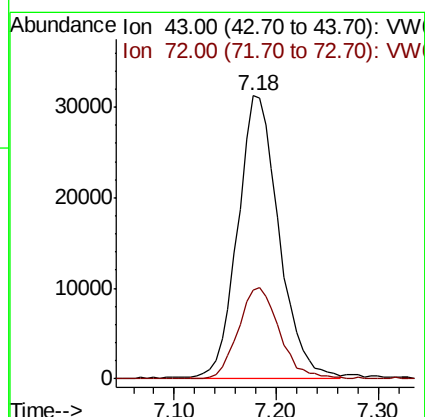
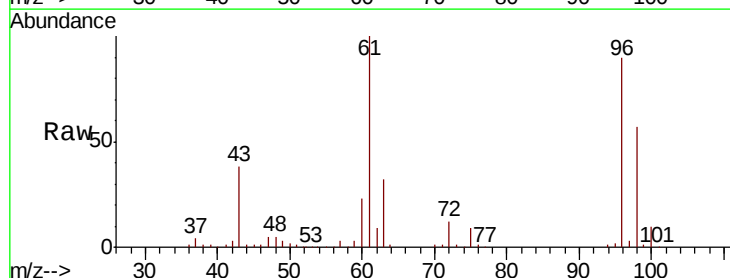
Acq: 14 Oct 2020 19:32

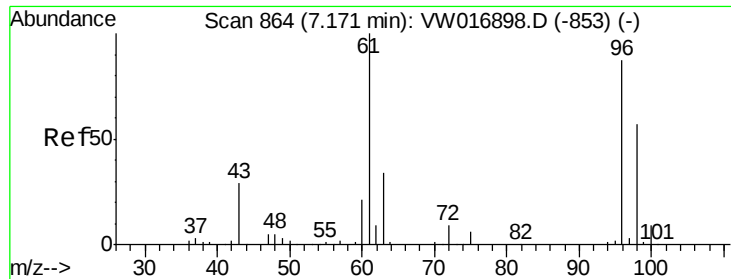
Tgt Ion: 43 Resp: 87941

Ion Ratio Lower Upper

43 100

72 32.2 16.2 48.5



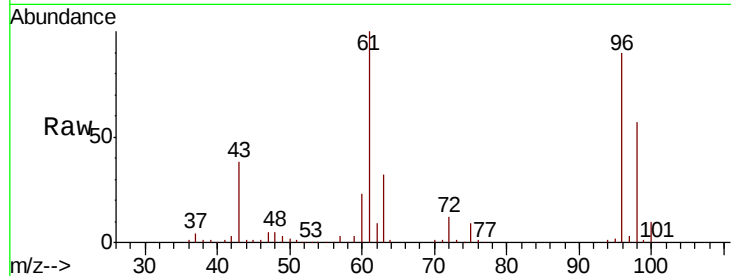


#22

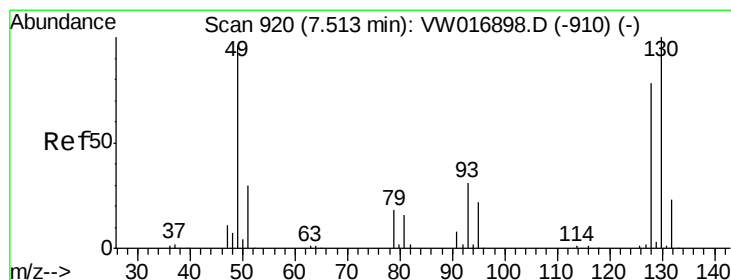
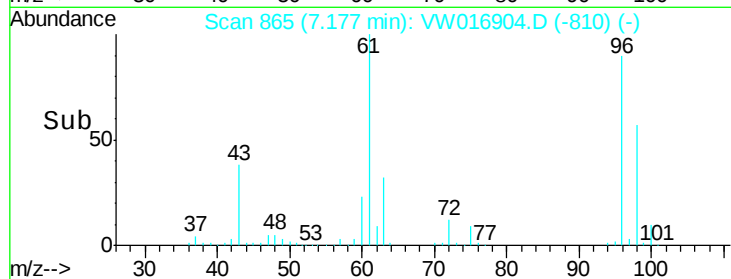
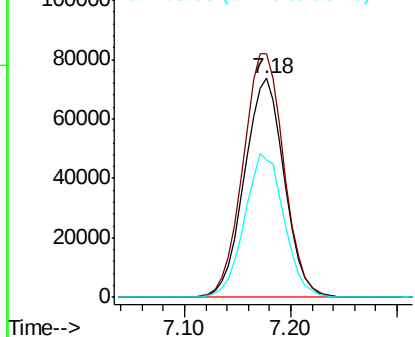
cis-1,2-Dichloroethene
 Concen: 25.991 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VW016904.D
 Acq: 14 Oct 2020 19:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

Tot Ion: 96 Resp: 193440
 Ion Ratio Lower Upper
 96 100
 61 111.2 76.0 141.2
 98 63.0 42.7 79.3



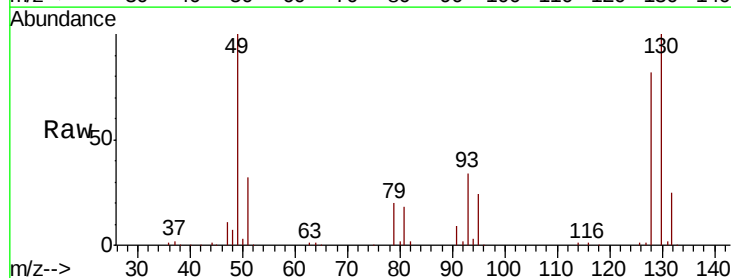
Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 98.00 (97.70 to 98.70): VW



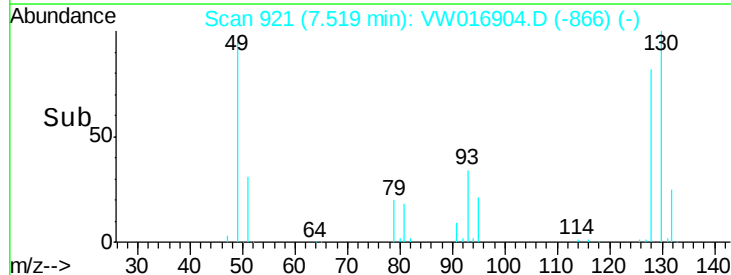
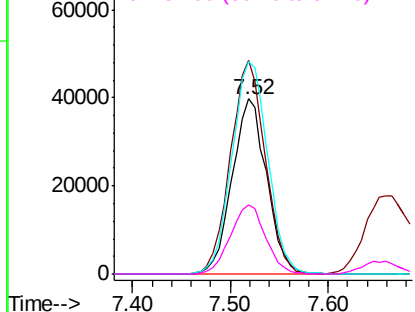
#23

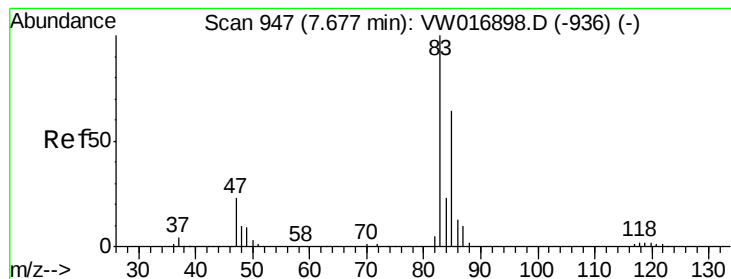
Bromochloromethane
 Concen: 27.752 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. 0.01 min
 Lab File: VW016904.D
 Acq: 14 Oct 2020 19:32

Tgt Ion: 128 Resp: 96996
 Ion Ratio Lower Upper
 128 100
 49 122.0 88.5 164.3
 130 121.4 92.9 172.5
 51 39.4 32.6 48.8



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VW
 Ion 130.00 (129.70 to 130.70): V
 Ion 51.00 (50.70 to 51.70): VW





#25

Chloroform

Concen: 26.554 ug/L

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW016904.D

Acq: 14 Oct 2020 19:32

Instrument :

MSVOA_W

ClientSampleId :

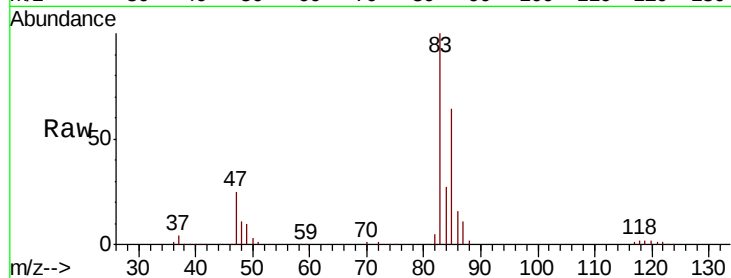
VSTD02510

Tot Ion: 83 Resp: 322098

Ion Ratio Lower Upper

83 100

85 65.3 46.9 87.1



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

7.68

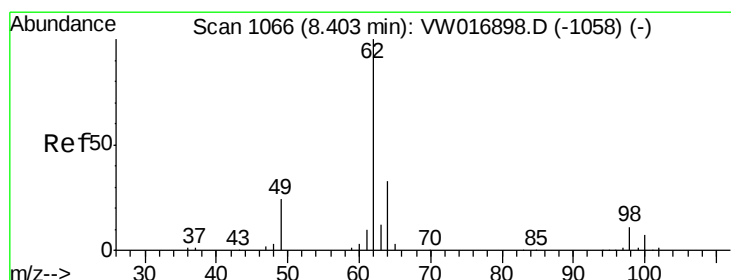
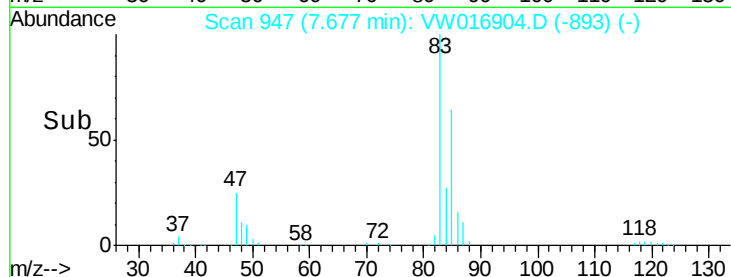
150000

100000

50000

0

Time-->



#27

1,2-Dichloroethane

Concen: 27.872 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW016904.D

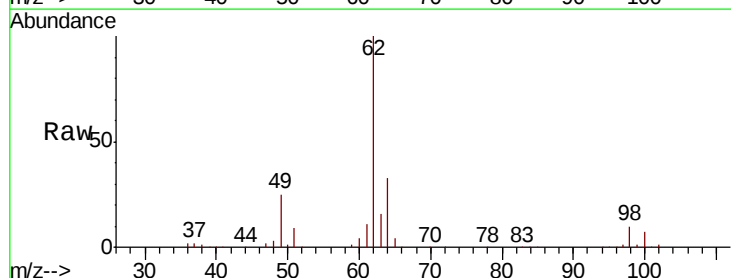
Acq: 14 Oct 2020 19:32

Tgt Ion: 62 Resp: 202246

Ion Ratio Lower Upper

62 100

98 10.3 8.6 12.8



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW

8.40

100000

80000

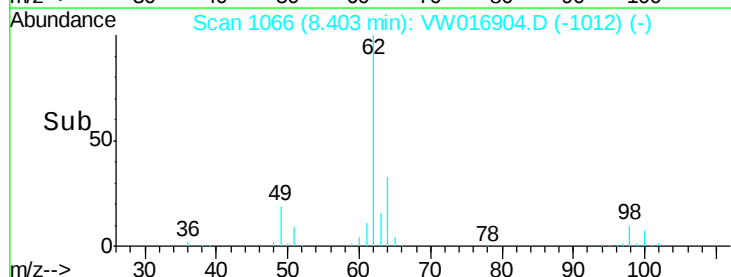
60000

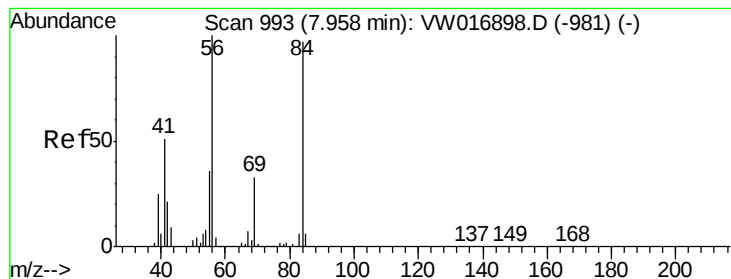
40000

20000

0

Time-->





#30

Cyclohexane

Concen: 25.098 ug/L

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW016904.D

Acq: 14 Oct 2020 19:32

Instrument :

MSVOA_W

ClientSampleId :

VSTD02510

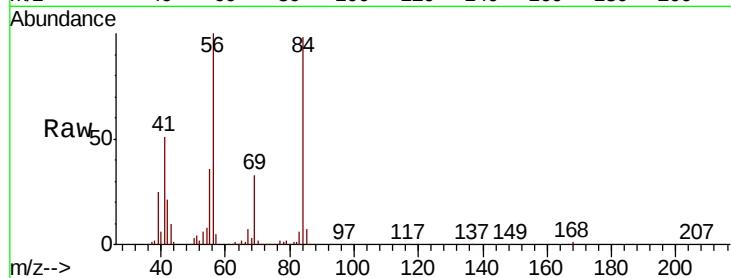
Tot Ion: 56 Resp: 253147

Ion Ratio Lower Upper

56 100

69 33.3 26.1 39.1

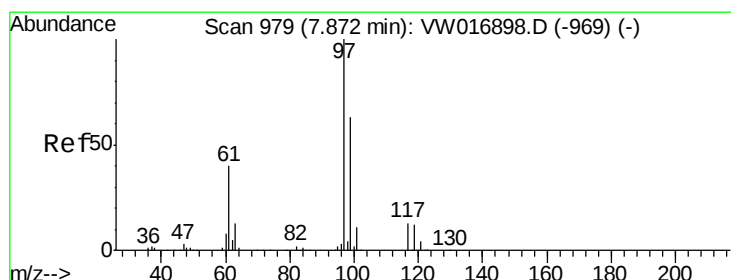
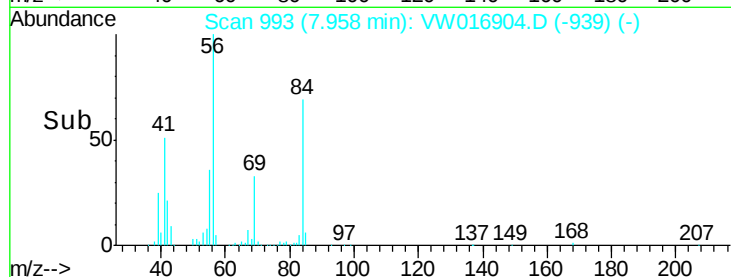
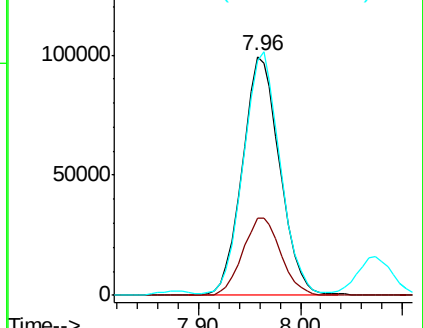
84 100.7 79.3 118.9



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: 25.977 ug/L

RT: 7.88 min Scan# 980

Delta R.T. 0.01 min

Lab File: VW016904.D

Acq: 14 Oct 2020 19:32

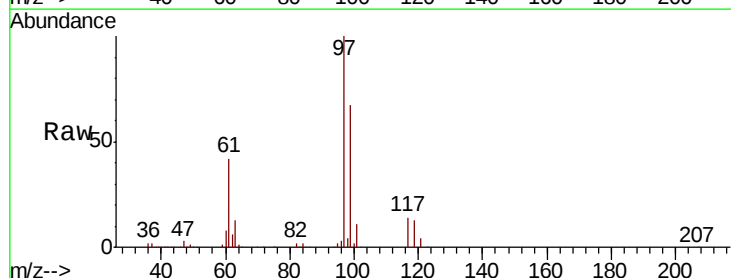
Tgt Ion: 97 Resp: 268684

Ion Ratio Lower Upper

97 100

99 65.0 51.5 77.3

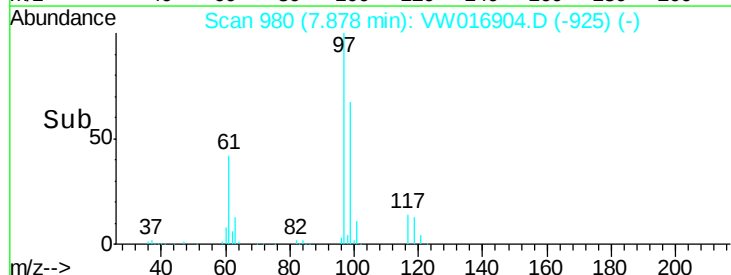
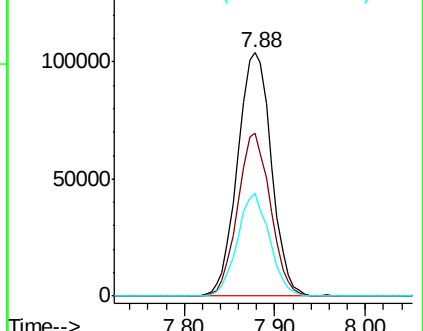
61 40.3 32.5 48.7

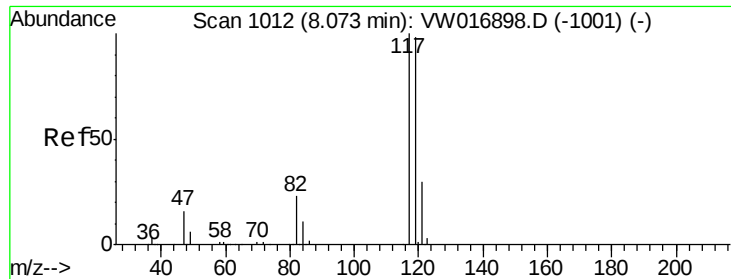


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 99.00 (98.70 to 99.70): VW

Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 25.594 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VW016904.D

Acq: 14 Oct 2020 19:32

Instrument :

MSVOA_W

ClientSampleId :

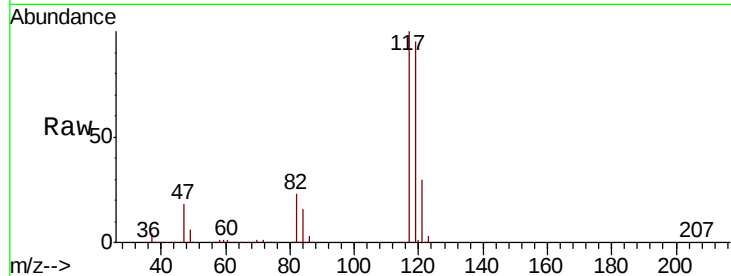
VSTD02510

Tot Ion:117 Resp: 258335

Ion Ratio Lower Upper

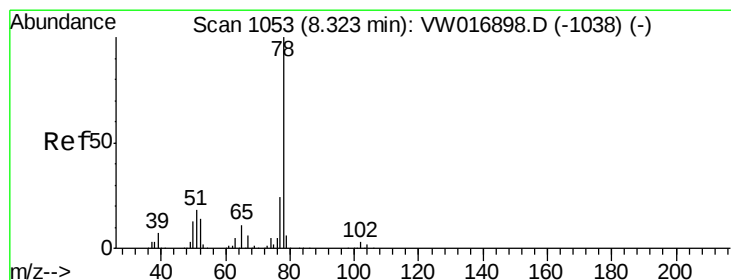
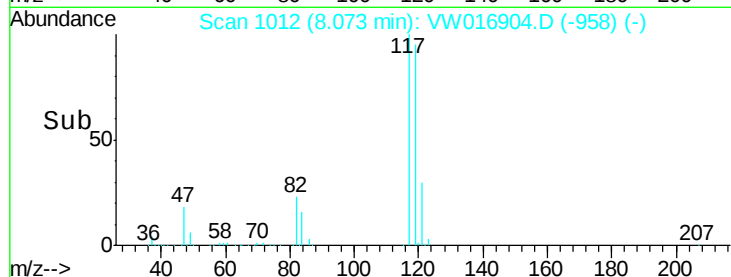
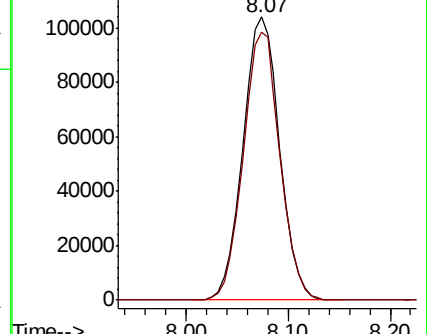
117 100

119 94.8 77.4 116.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 26.453 ug/L

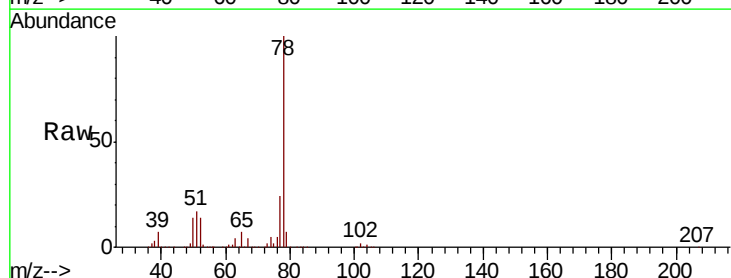
RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

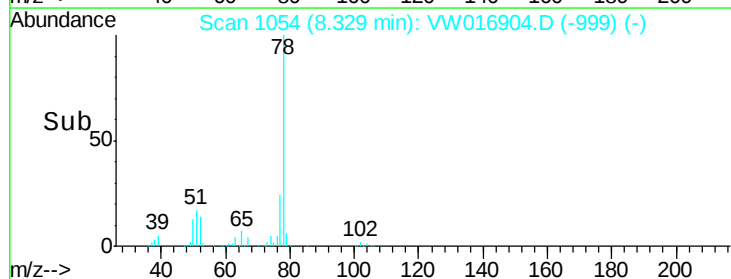
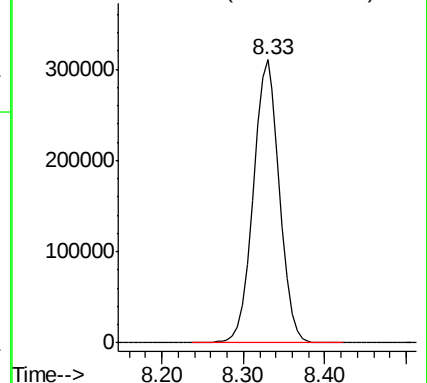
Lab File: VW016904.D

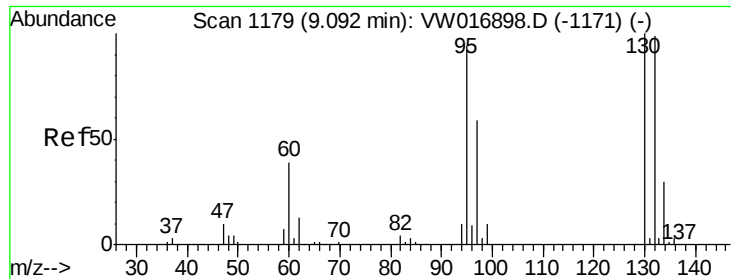
Acq: 14 Oct 2020 19:32

Tgt Ion: 78 Resp: 690931



Abundance Ion 78.00 (77.70 to 78.70): VW

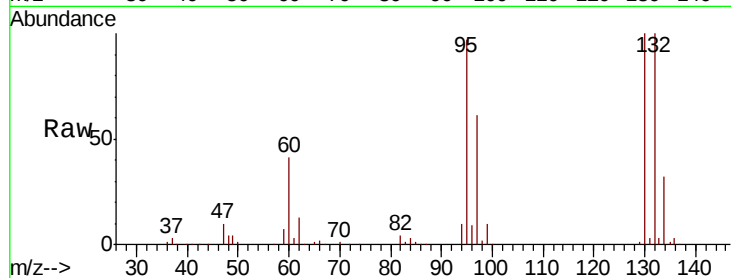




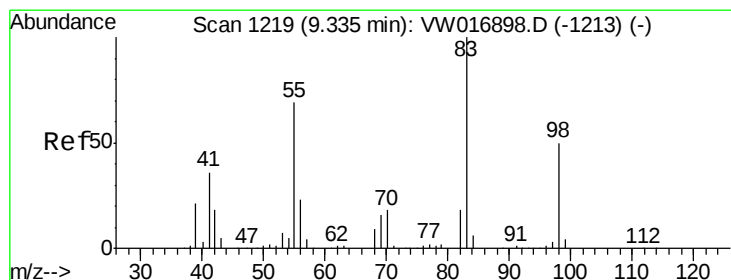
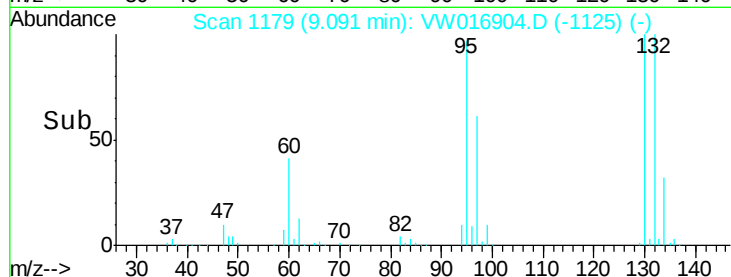
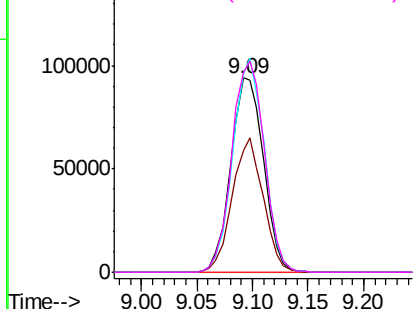
#35
 Trichloroethene
 Concen: 25.936 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW016904.D
 Acq: 14 Oct 2020 19:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

Tot Ion: 95 Resp: 191620
 Ion Ratio Lower Upper
 95 100
 97 65.3 44.7 83.1
 132 105.4 73.8 137.2
 130 108.2 77.1 143.3

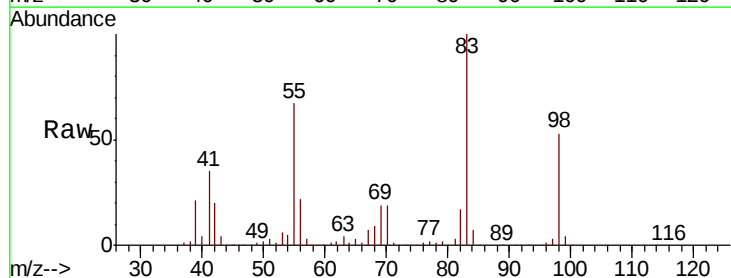


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

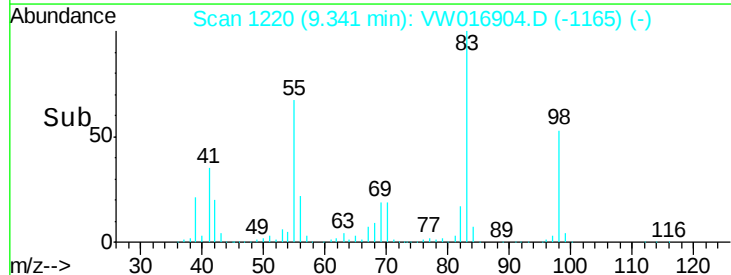
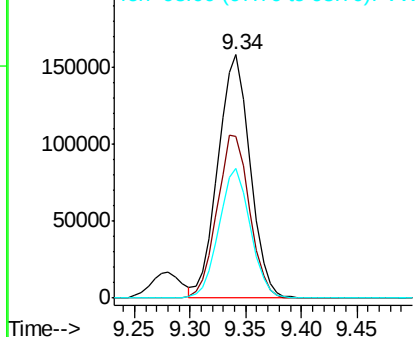


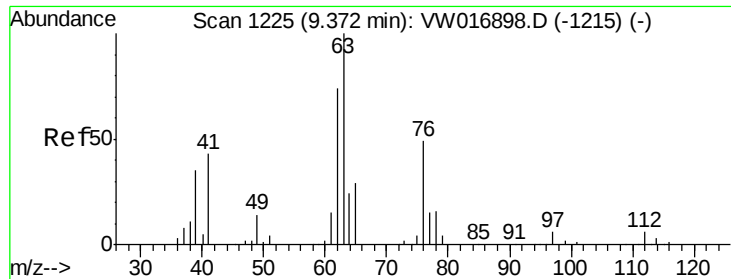
#36
 Methylcyclohexane
 Concen: 25.475 ug/L
 RT: 9.34 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: VW016904.D
 Acq: 14 Oct 2020 19:32

Tgt Ion: 83 Resp: 316464
 Ion Ratio Lower Upper
 83 100
 55 67.8 54.2 81.4
 98 52.0 41.4 62.2



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

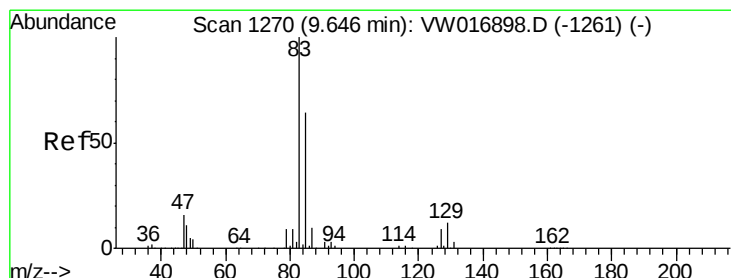
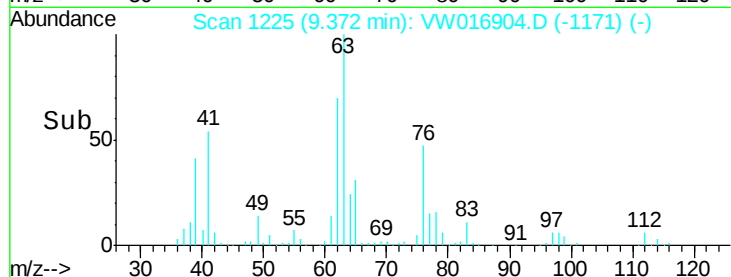
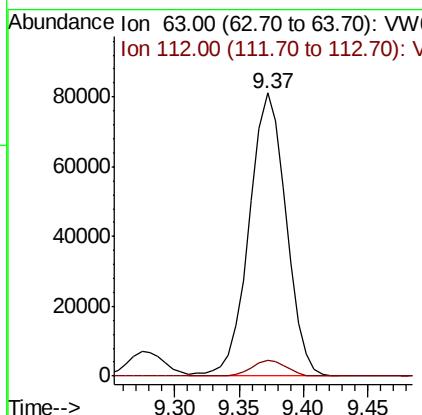
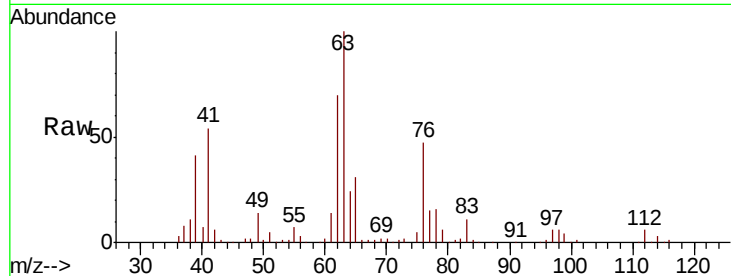




#40
 1,2-Dichloropropane
 Concen: 27.235 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW016904.D
 Acq: 14 Oct 2020 19:32

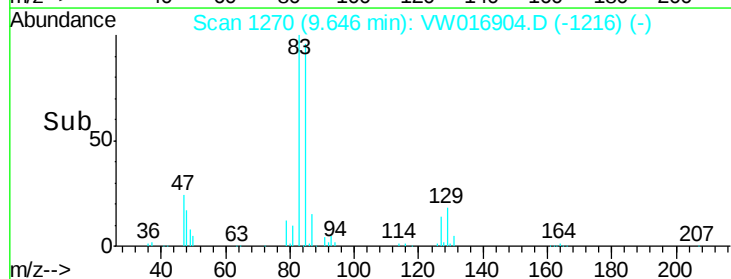
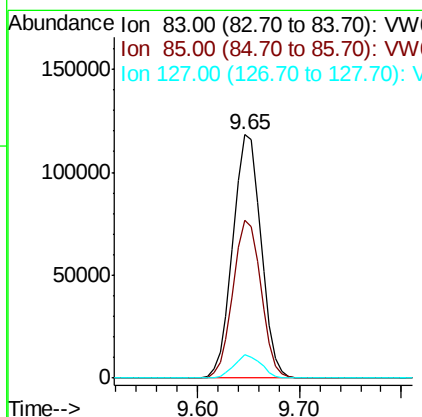
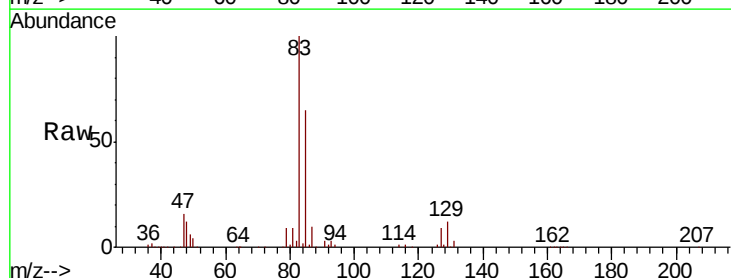
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

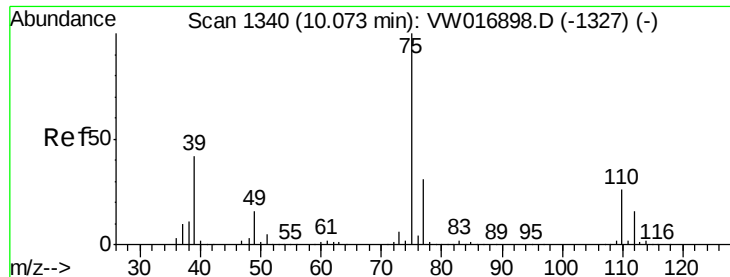
Tot Ion: 63 Resp: 160855
 Ion Ratio Lower Upper
 63 100
 112 5.4 4.5 6.7



#41
 Bromodichloromethane
 Concen: 27.264 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW016904.D
 Acq: 14 Oct 2020 19:32

Tgt Ion: 83 Resp: 226215
 Ion Ratio Lower Upper
 83 100
 85 64.9 46.2 85.8
 127 9.4 7.5 11.3

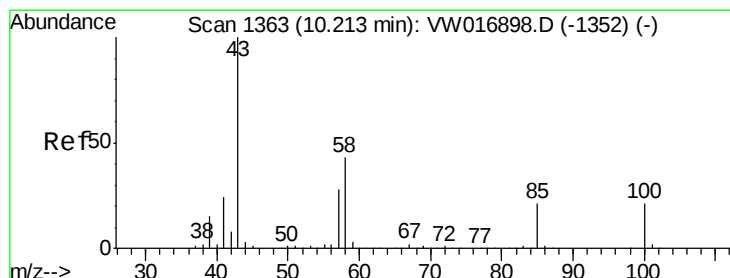
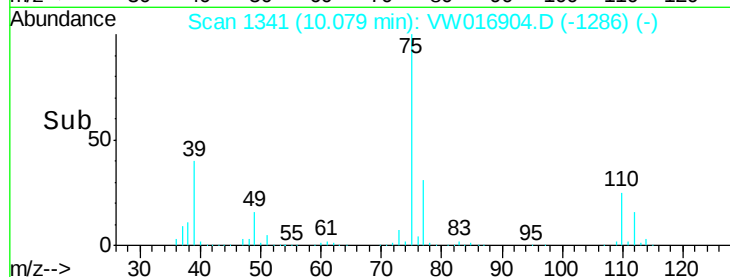
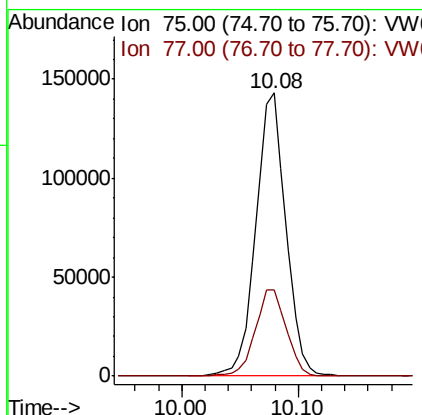
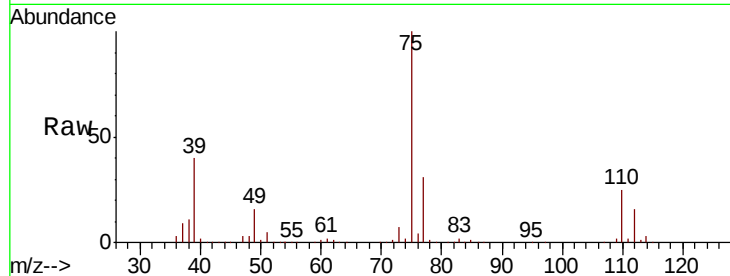




#42
 cis-1,3-Dichloropropene
 Concen: 27.187 ug/L
 RT: 10.08 min Scan# 1341
 Delta R.T. 0.01 min
 Lab File: VW016904.D
 Acq: 14 Oct 2020 19:32

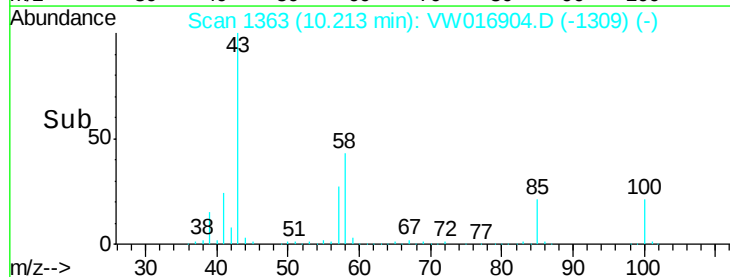
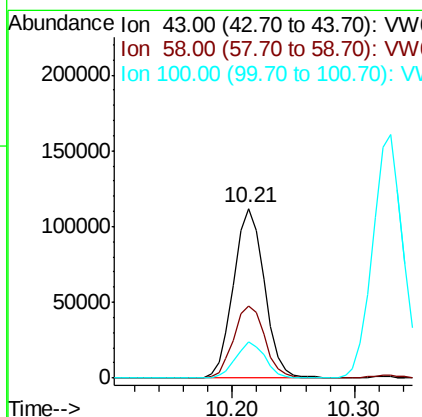
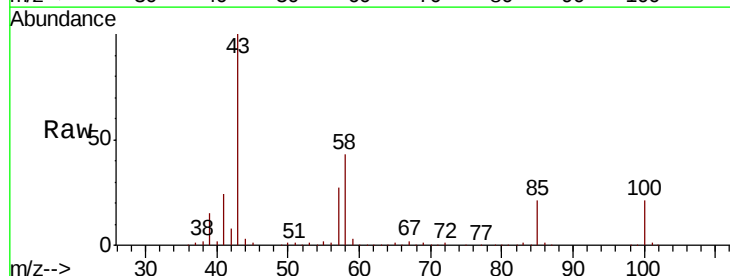
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

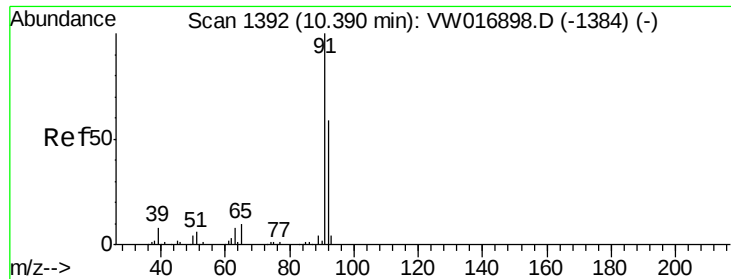
Tot Ion: 75 Resp: 256006
 Ion Ratio Lower Upper
 75 100
 77 30.7 22.1 41.1



#43
 4-Methyl-2-pentanone
 Concen: 65.974 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW016904.D
 Acq: 14 Oct 2020 19:32

Tgt Ion: 43 Resp: 196168
 Ion Ratio Lower Upper
 43 100
 58 42.9 34.7 52.1
 100 20.7 16.9 25.3





#44

Toluene

Concen: 26.556 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW016904.D

Acq: 14 Oct 2020 19:32

Instrument :

MSVOA_W

ClientSampleId :

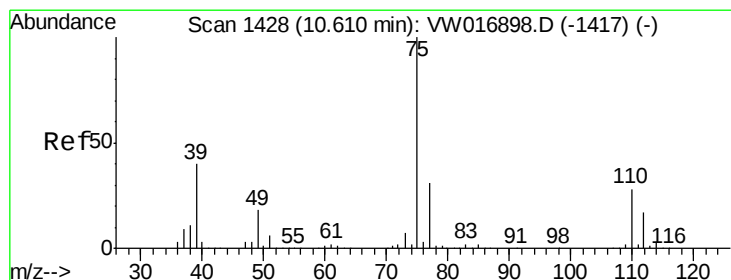
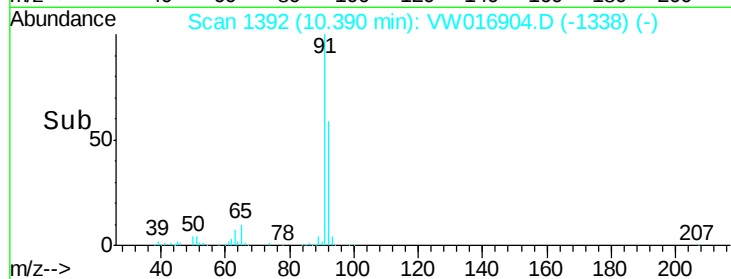
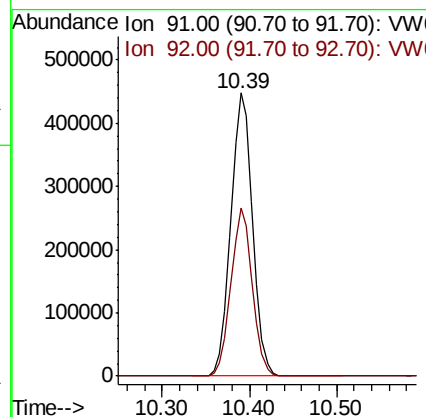
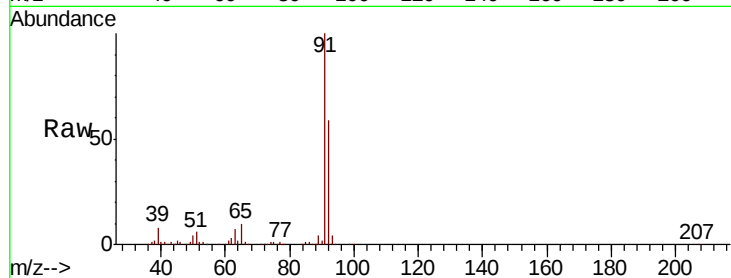
VSTD02510

Tot Ion: 91 Resp: 769454

Ion Ratio Lower Upper

91 100

92 59.4 39.4 73.2



#45

trans-1,3-Dichloropropene

Concen: 28.109 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW016904.D

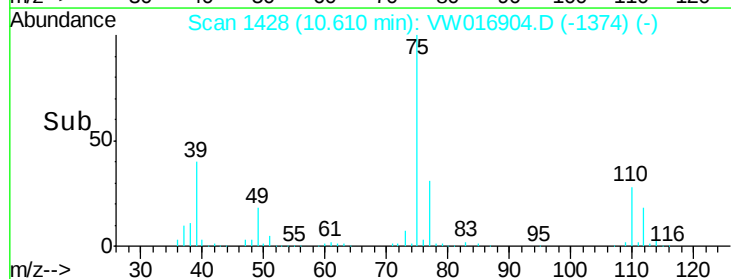
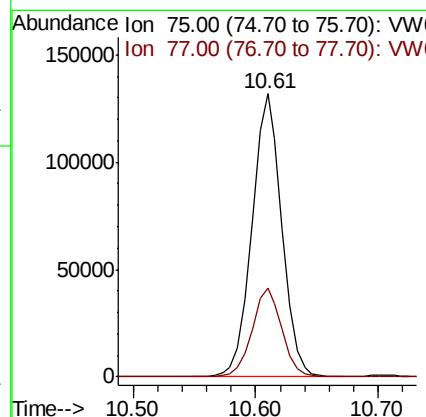
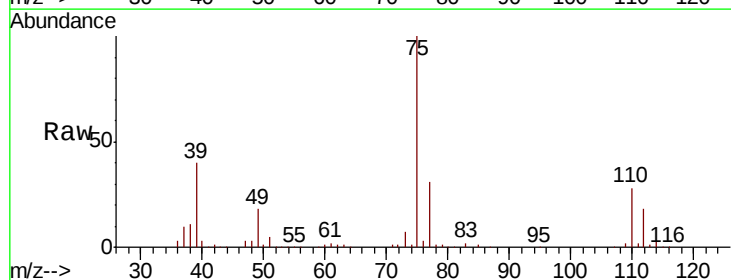
Acq: 14 Oct 2020 19:32

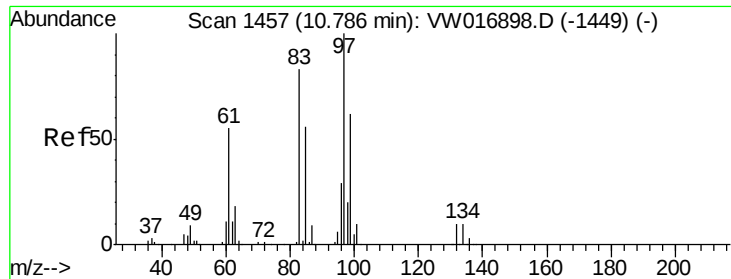
Tgt Ion: 75 Resp: 222736

Ion Ratio Lower Upper

75 100

77 31.2 22.2 41.2

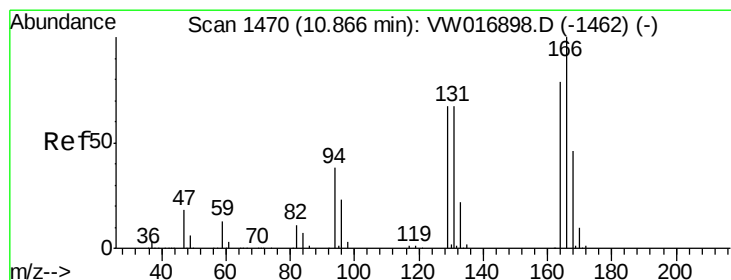
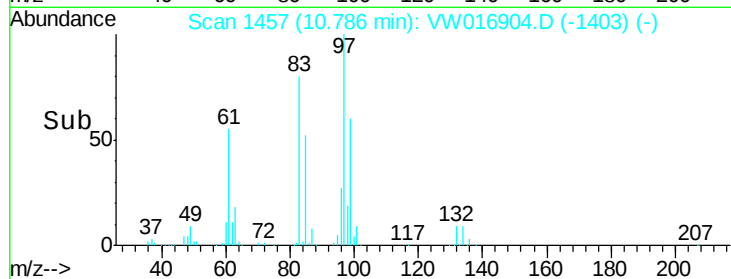
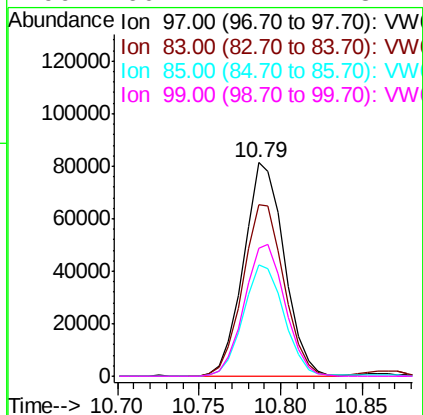
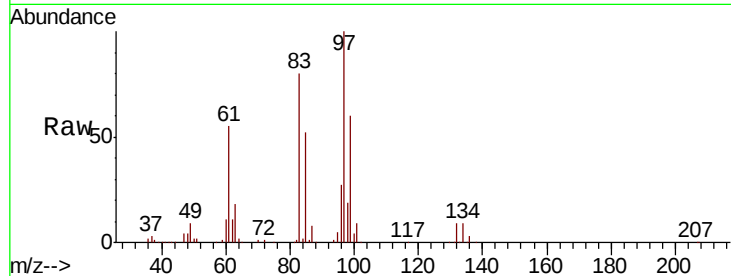




#46
 1,1,2-Trichloroethane
 Concen: 29.313 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW016904.D
 Acq: 14 Oct 2020 19:32

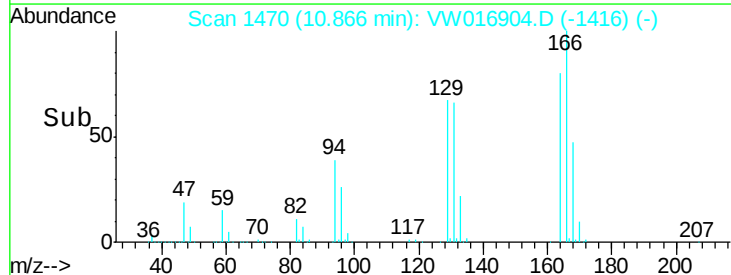
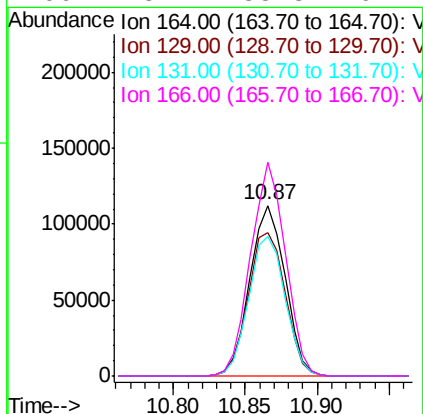
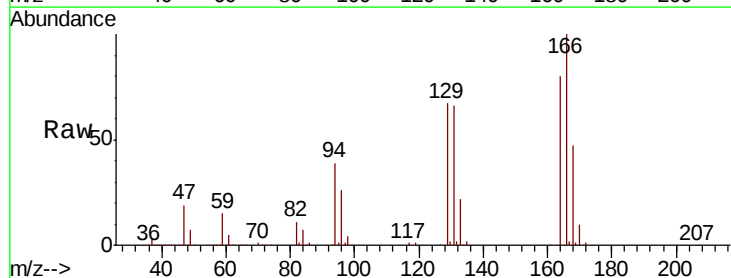
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

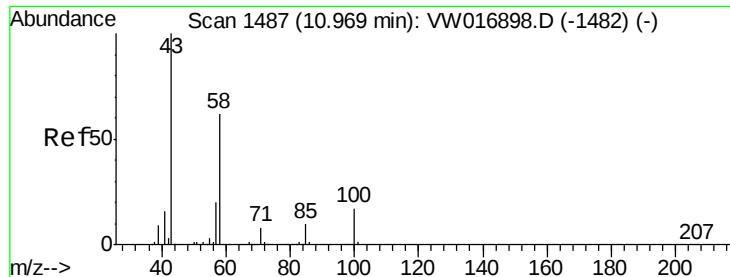
Tot Ion:	97	Resp:	140735
Ion	Ratio	Lower	Upper
97	100		
83	80.3	56.8	105.4
85	52.0	37.0	68.6
99	60.1	44.2	82.2



#47
 Tetrachloroethene
 Concen: 27.757 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. -0.00 min
 Lab File: VW016904.D
 Acq: 14 Oct 2020 19:32

Tgt Ion:	164	Resp:	190125
Ion	Ratio	Lower	Upper
164	100		
129	83.9	61.7	114.7
131	82.3	59.7	110.9
166	125.4	88.3	164.1





#49

2-Hexanone

Concen: 67.400 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW016904.D

Acq: 14 Oct 2020 19:32

Instrument :

MSVOA_W

ClientSampleId :

VSTD02510

Tot Ion: 43 Resp: 132280

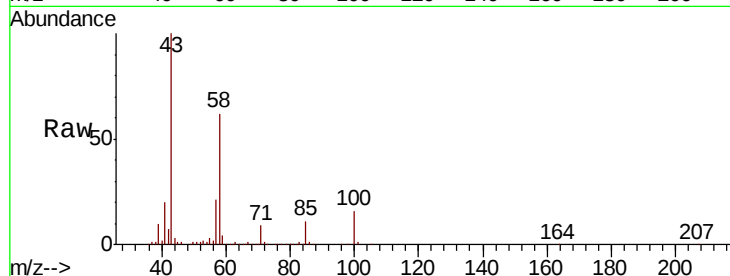
Ion Ratio Lower Upper

43 100

58 60.3 47.1 70.7

57 20.6 16.2 24.4

100 16.1 13.3 19.9

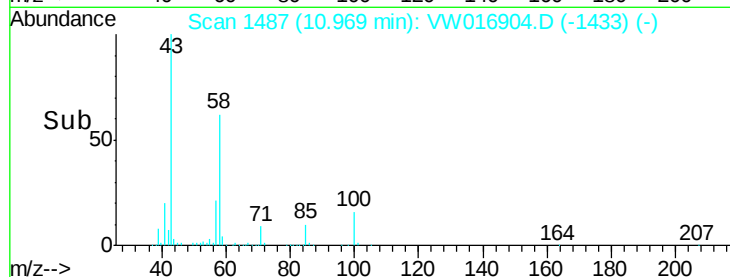


Abundance Ion 43.00 (42.70 to 43.70): VW

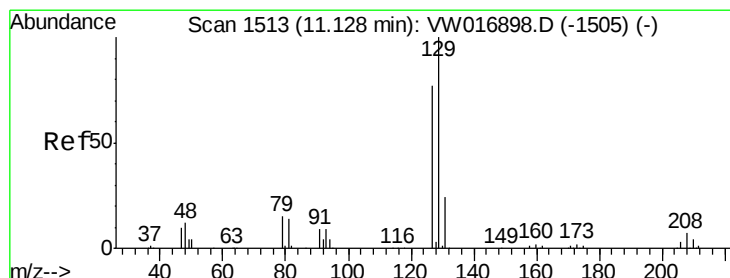
Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



Time--> 10.90 10.95 11.00 11.05



#50

Dibromochloromethane

Concen: 28.964 ug/L

RT: 11.13 min Scan# 1514

Delta R.T. 0.01 min

Lab File: VW016904.D

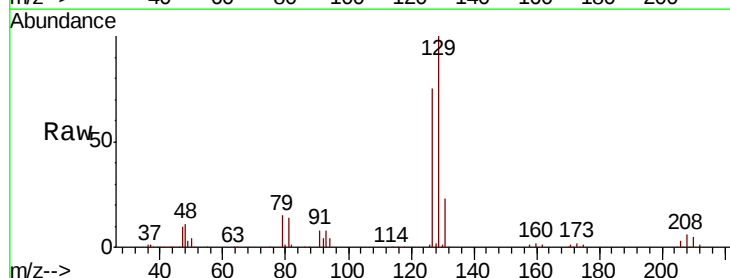
Acq: 14 Oct 2020 19:32

Tgt Ion: 129 Resp: 172879

Ion Ratio Lower Upper

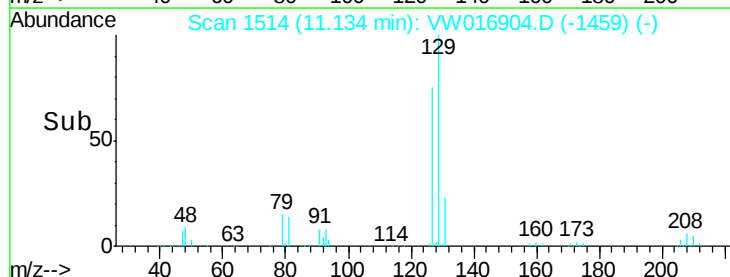
129 100

127 75.2 54.0 100.4

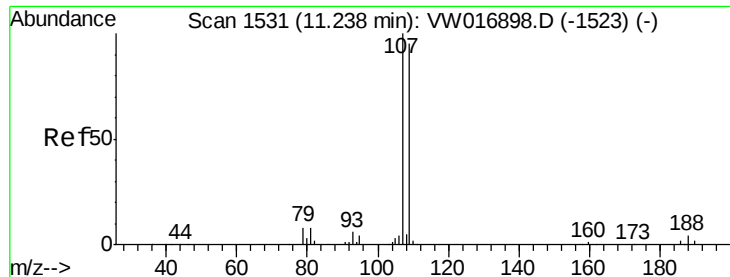


Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



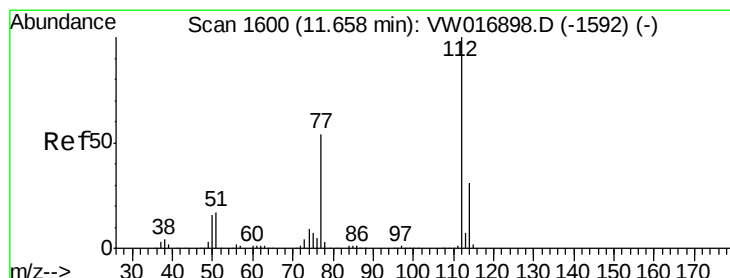
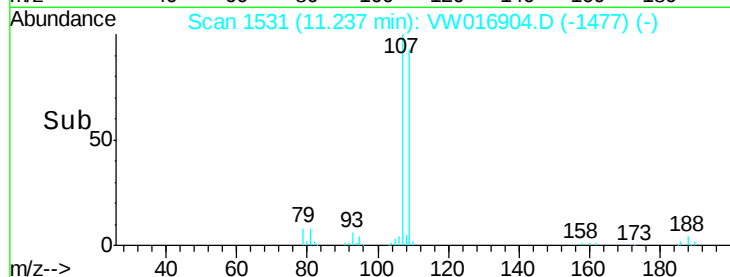
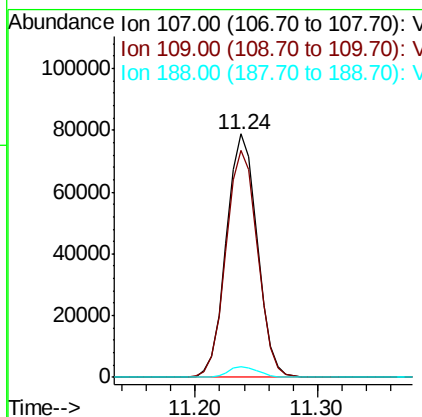
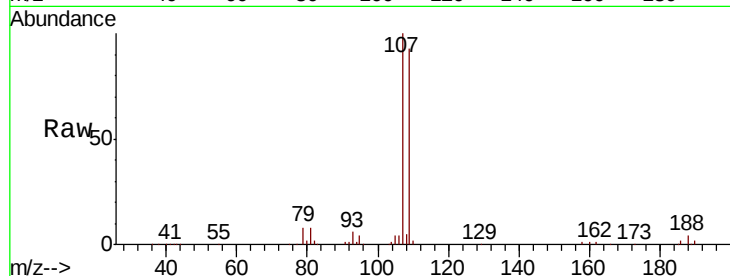
Time--> 11.05 11.10 11.15 11.20



#51
1,2-Dibromoethane
Concen: 29.141 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW016904.D
Acq: 14 Oct 2020 19:32

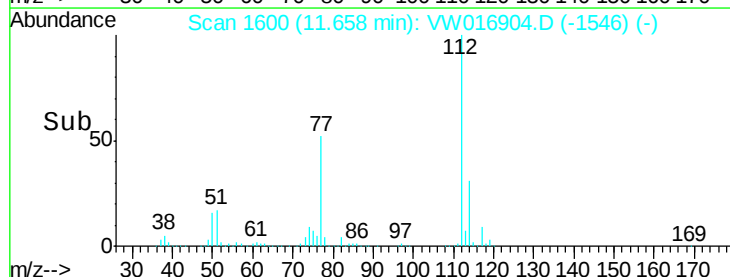
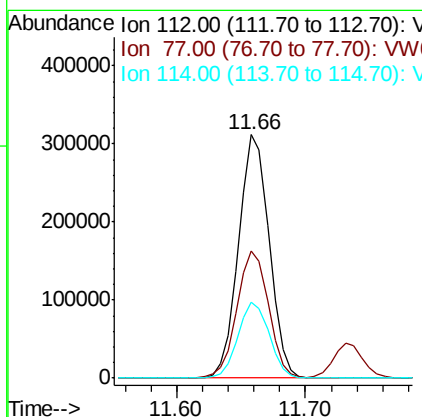
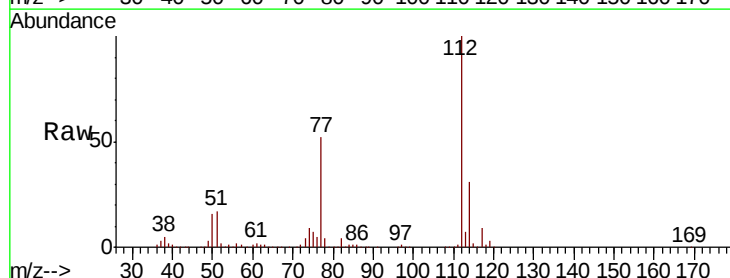
Instrument :
MSVOA_W
ClientSampleId :
VSTD02510

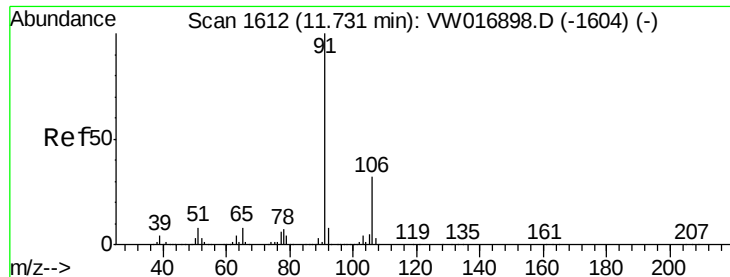
Tot Ion:107 Resp: 137490
Ion Ratio Lower Upper
107 100
109 93.5 68.4 127.0
188 4.3 3.4 5.0



#52
Chlorobenzene
Concen: 26.398 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW016904.D
Acq: 14 Oct 2020 19:32

Tgt Ion:112 Resp: 513325
Ion Ratio Lower Upper
112 100
77 52.0 44.0 66.0
114 31.3 22.3 41.3

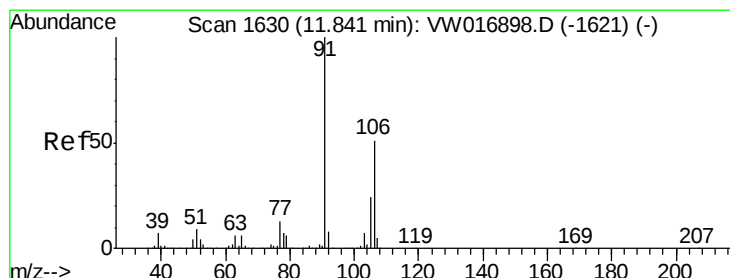
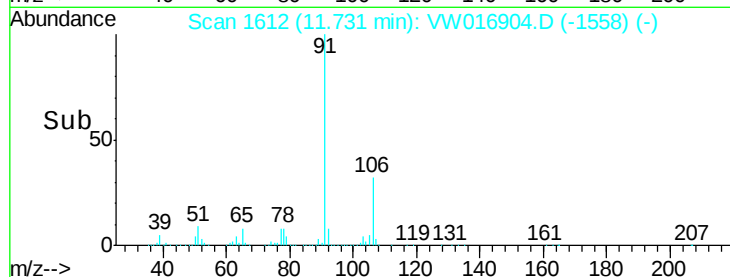
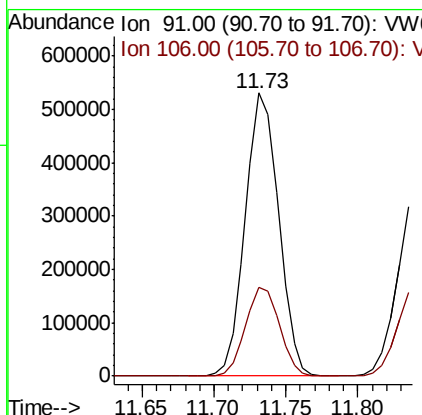
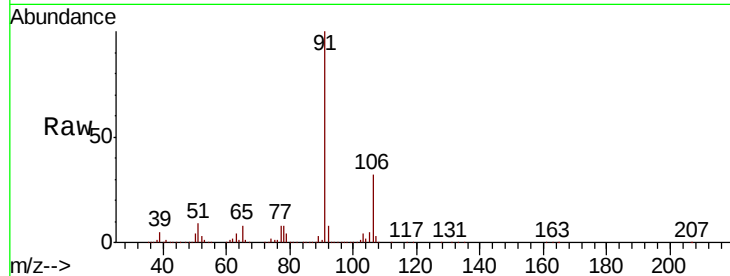




#53
Ethylbenzene
Concen: 26.193 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW016904.D
Acq: 14 Oct 2020 19:32

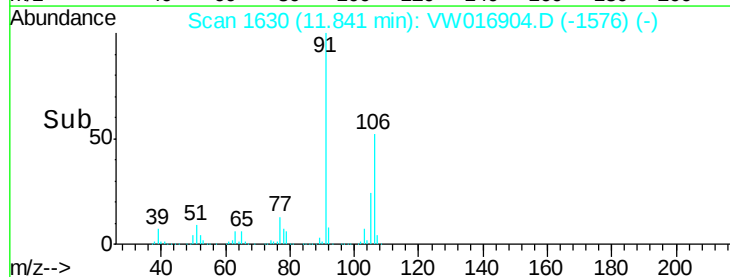
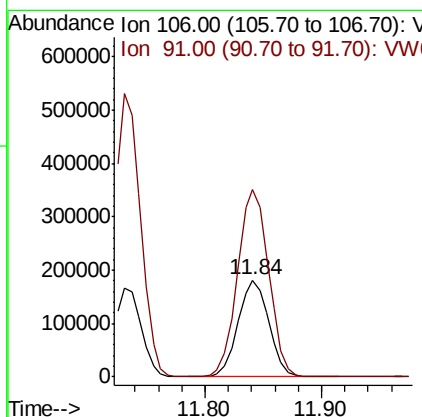
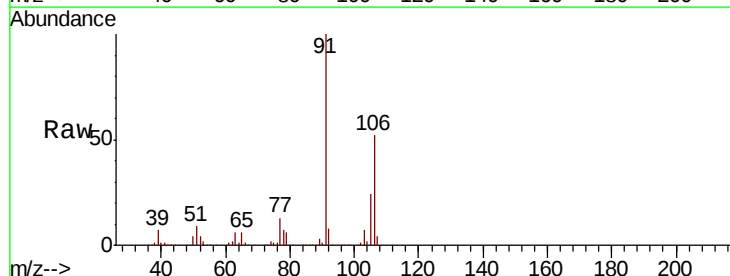
Instrument :
MSVOA_W
ClientSampleId :
VSTD02510

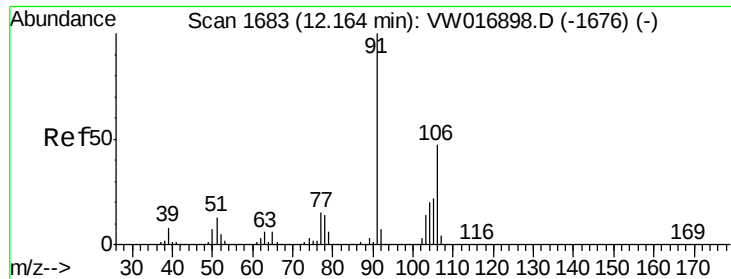
Tot Ion: 91 Resp: 851383
Ion Ratio Lower Upper
91 100
106 31.6 22.8 42.4



#54
m,p-Xylene
Concen: 26.372 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW016904.D
Acq: 14 Oct 2020 19:32

Tgt Ion: 106 Resp: 333379
Ion Ratio Lower Upper
106 100
91 194.0 135.6 251.8

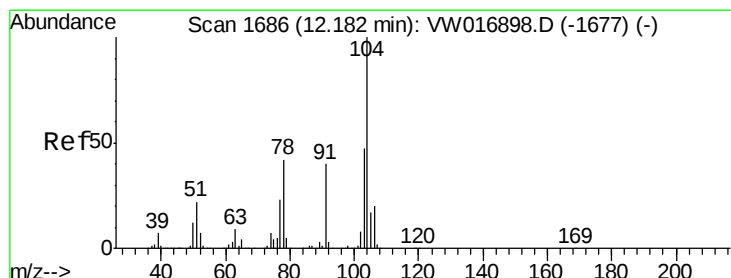
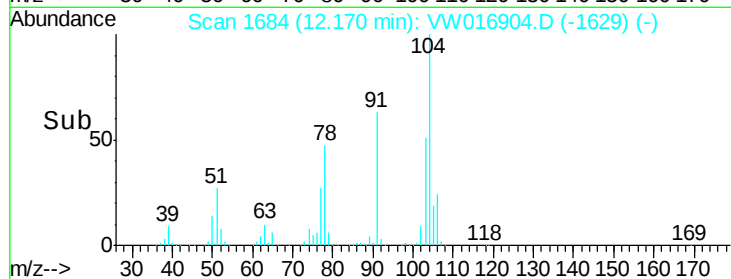
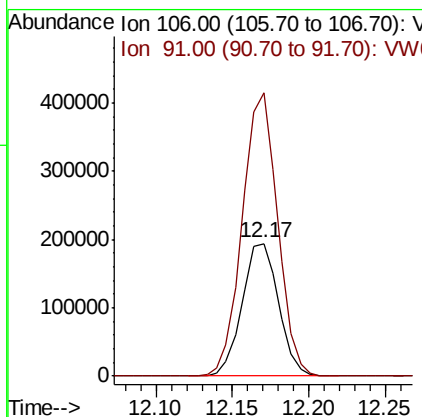
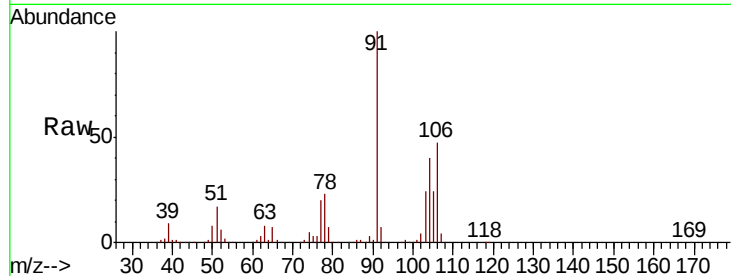




#55
o-xylene
Concen: 26.676 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW016904.D
Acq: 14 Oct 2020 19:32

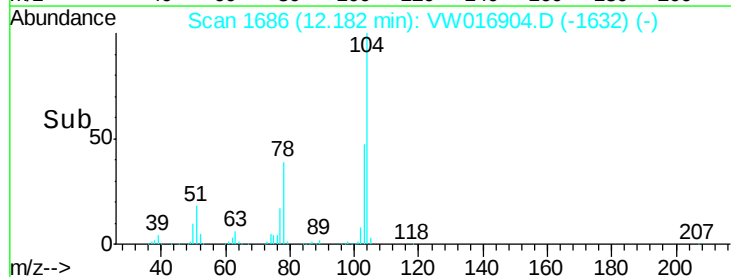
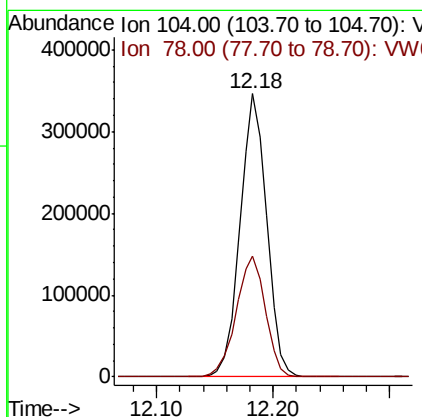
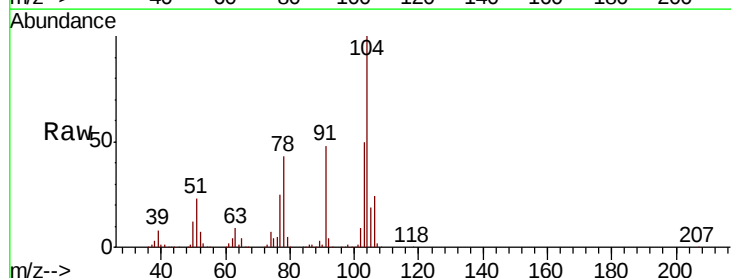
Instrument :
MSVOA_W
ClientSampleId :
VSTD02510

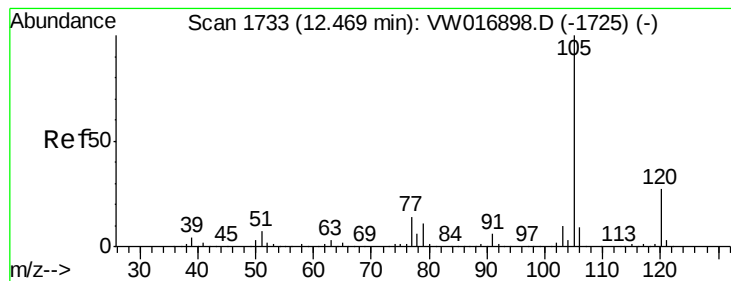
Tot Ion:106 Resp: 322205
Ion Ratio Lower Upper
106 100
91 213.8 142.6 264.8



#56
Styrene
Concen: 27.687 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW016904.D
Acq: 14 Oct 2020 19:32

Tgt Ion:104 Resp: 551833
Ion Ratio Lower Upper
104 100
78 42.6 30.7 57.1





#57

Isopropylbenzene

Concen: 26.633 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW016904.D

Acq: 14 Oct 2020 19:32

Instrument :

MSVOA_W

ClientSampleId :

VSTD02510

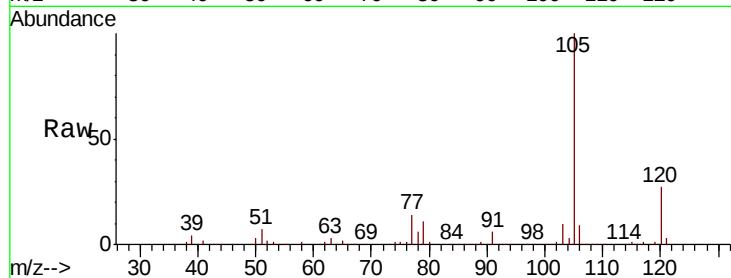
Tot Ion:105 Resp: 880868

Ion Ratio Lower Upper

105 100

120 27.1 21.5 32.3

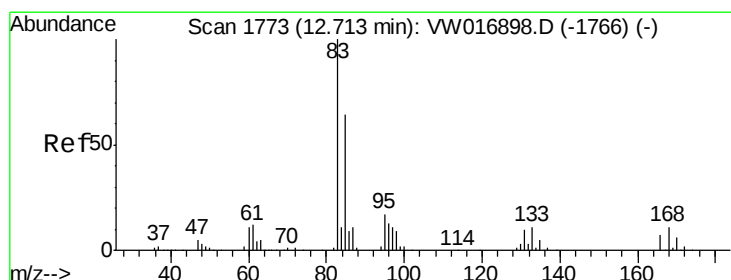
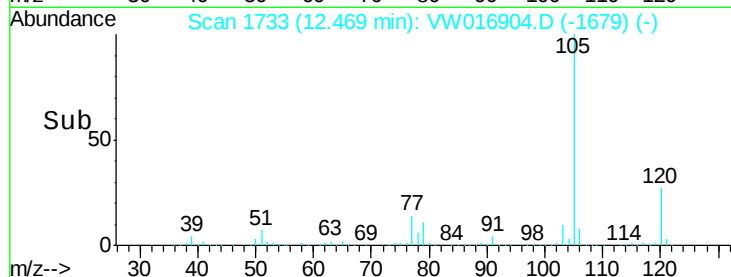
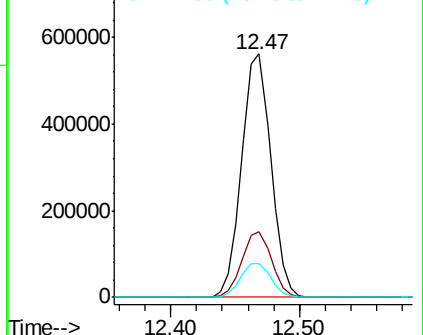
77 14.5 11.4 17.2



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: 31.393 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW016904.D

Acq: 14 Oct 2020 19:32

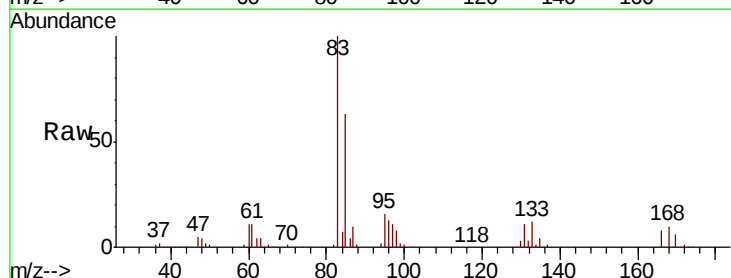
Tgt Ion: 83 Resp: 166571

Ion Ratio Lower Upper

83 100

85 63.5 43.3 80.5

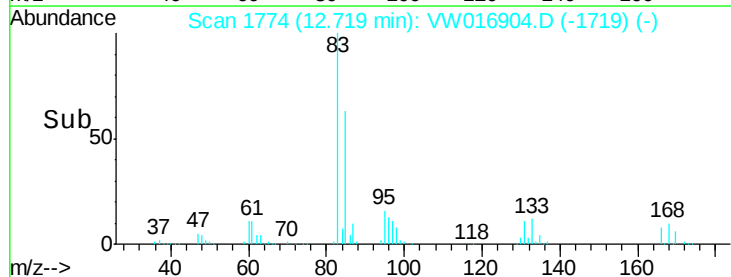
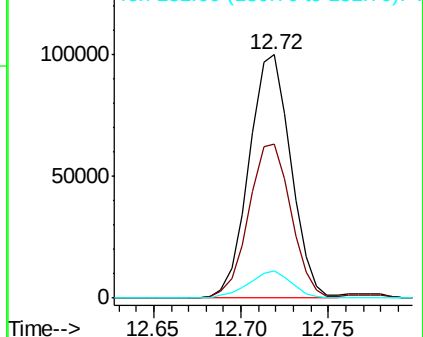
131 11.0 9.0 13.4

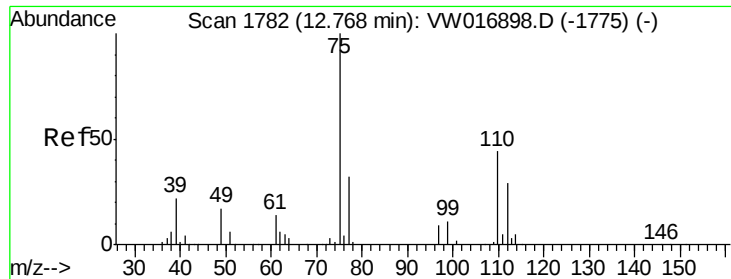


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 31.339 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.01 min

Lab File: VW016904.D

Acq: 14 Oct 2020 19:32

Instrument :

MSVOA_W

ClientSampleId :

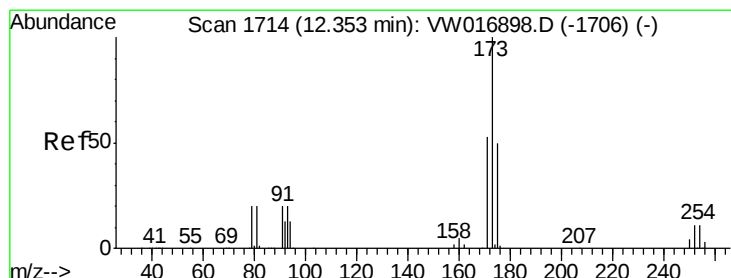
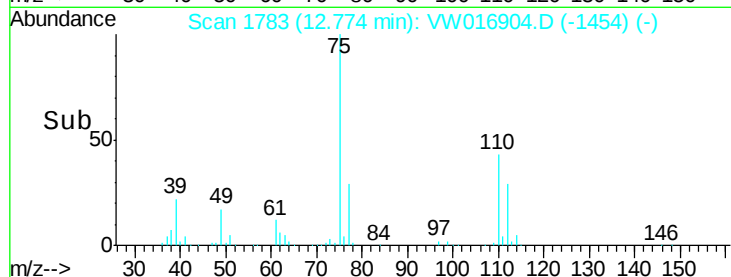
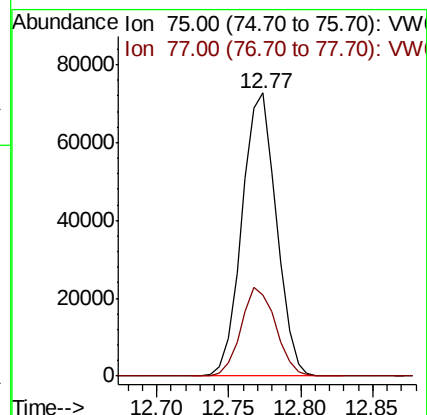
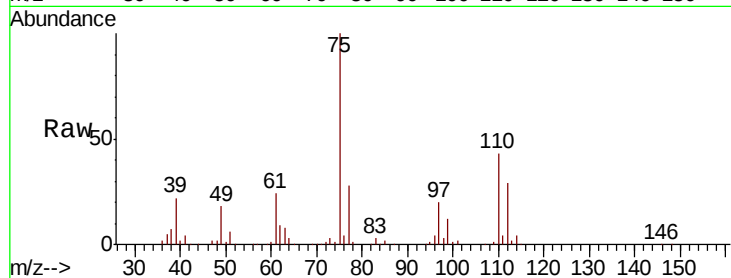
VSTD02510

Tot Ion: 75 Resp: 120461

Ion Ratio Lower Upper

75 100

77 31.4 26.2 39.2



#62

Bromoform

Concen: 28.908 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW016904.D

Acq: 14 Oct 2020 19:32

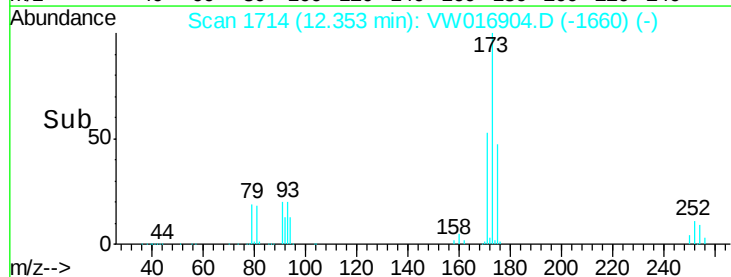
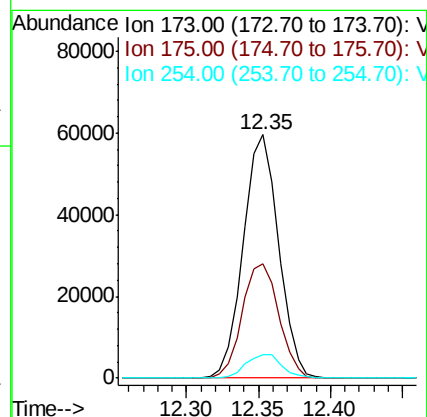
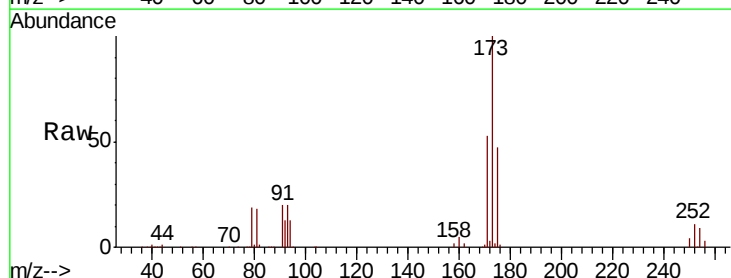
Tgt Ion: 173 Resp: 101406

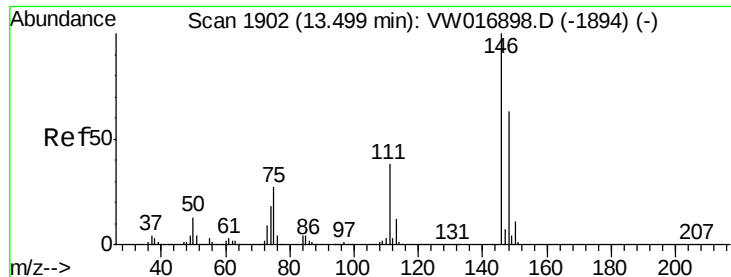
Ion Ratio Lower Upper

173 100

175 48.8 39.9 59.9

254 9.9 8.7 13.1

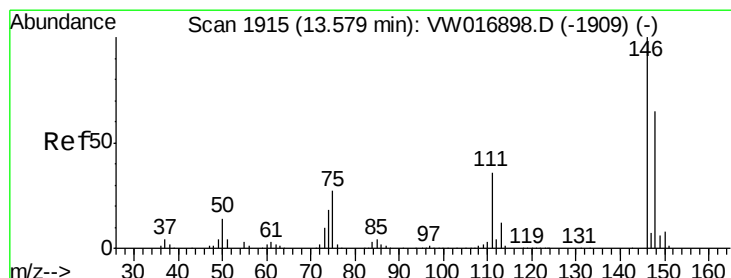
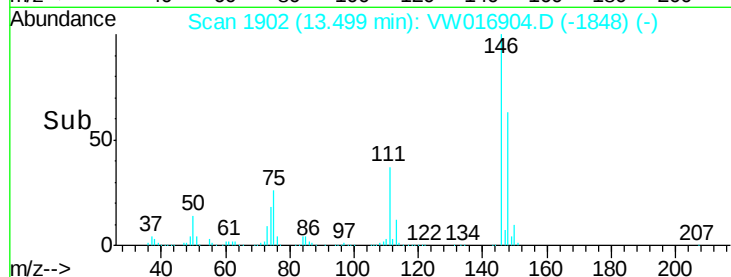
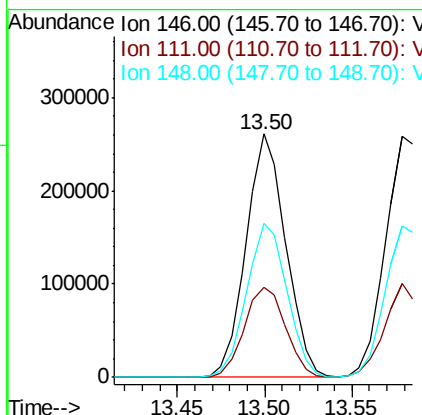
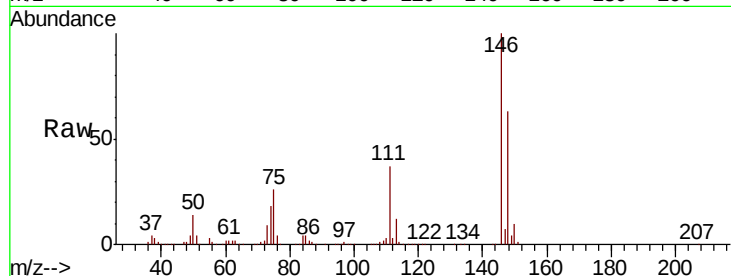




#63
 1,3-Dichlorobenzene
 Concen: 26.000 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW016904.D
 Acq: 14 Oct 2020 19:32

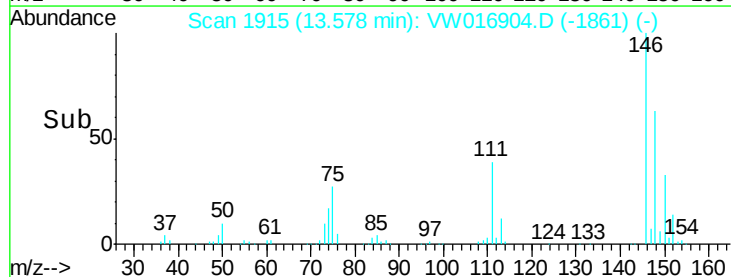
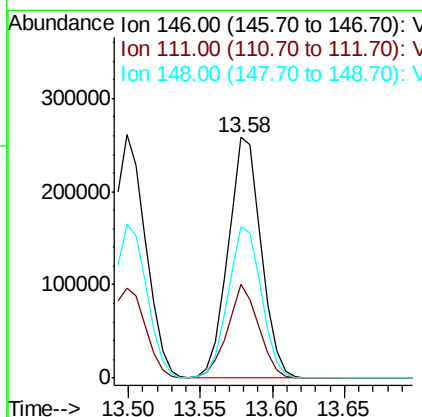
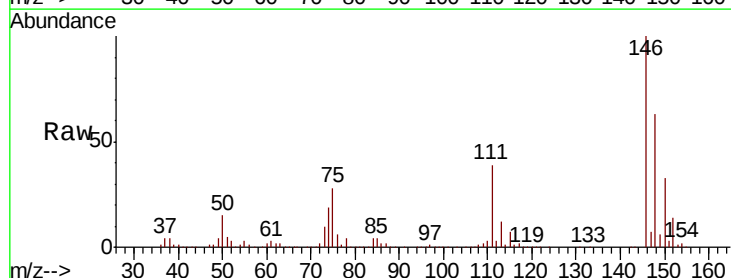
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

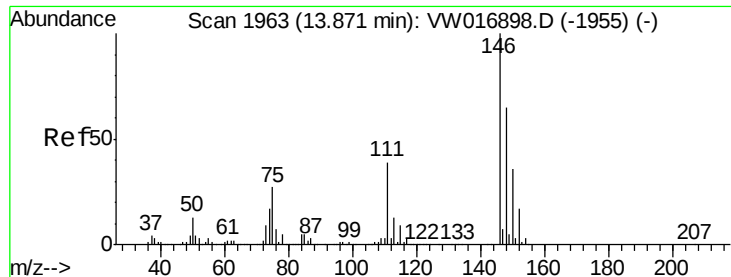
Tot Ion:146 Resp: 412627
 Ion Ratio Lower Upper
 146 100
 111 37.1 26.9 49.9
 148 63.2 45.7 84.9



#64
 1,4-Dichlorobenzene
 Concen: 26.116 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW016904.D
 Acq: 14 Oct 2020 19:32

Tgt Ion:146 Resp: 414500
 Ion Ratio Lower Upper
 146 100
 111 39.1 26.0 48.4
 148 62.9 43.9 81.5

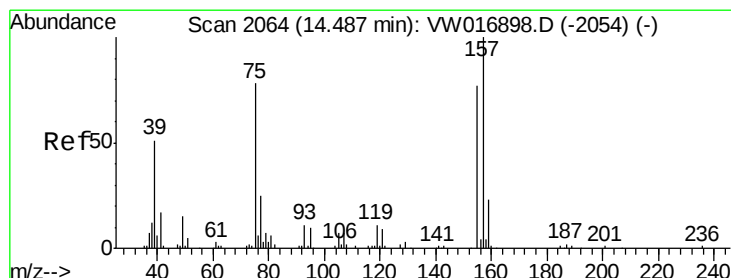
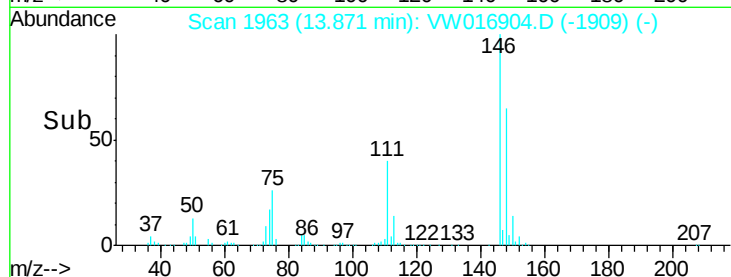
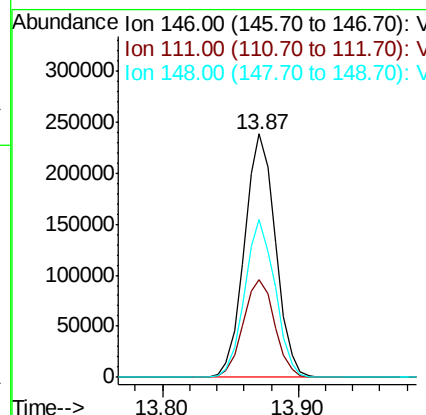
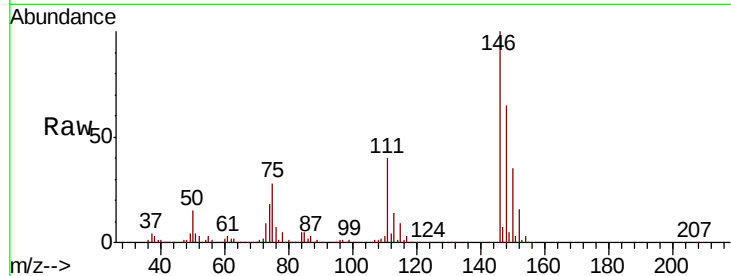




#65
 1,2-Dichlorobenzene
 Concen: 26.732 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW016904.D
 Acq: 14 Oct 2020 19:32

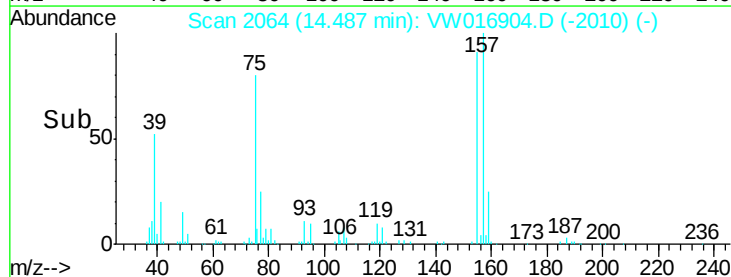
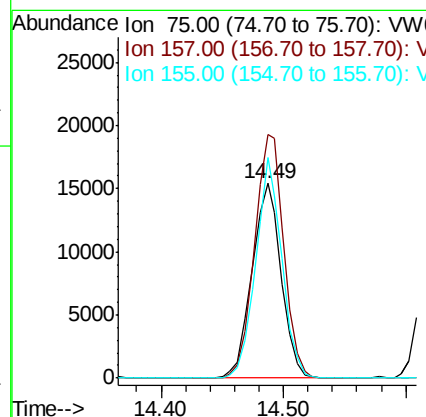
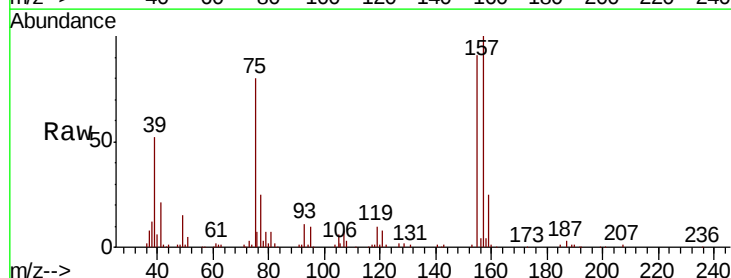
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

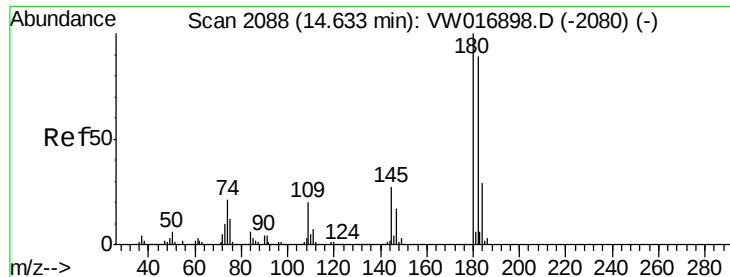
Tot Ion:146 Resp: 379854
 Ion Ratio Lower Upper
 146 100
 111 40.4 32.1 48.1
 148 64.7 51.8 77.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 29.482 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW016904.D
 Acq: 14 Oct 2020 19:32

Tgt Ion: 75 Resp: 25411
 Ion Ratio Lower Upper
 75 100
 157 125.1 100.5 150.7
 155 113.4 74.7 112.1#

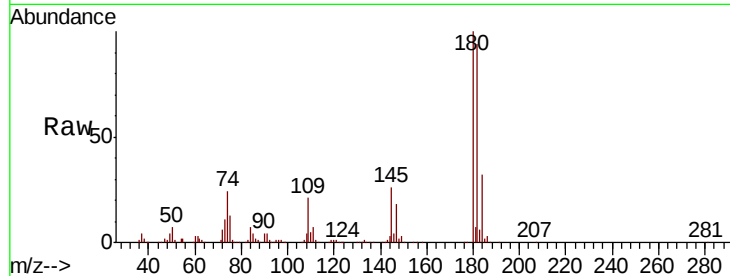




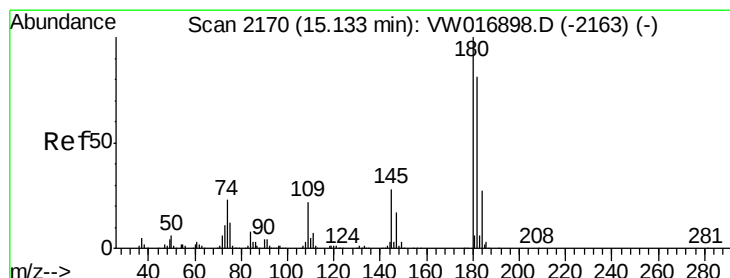
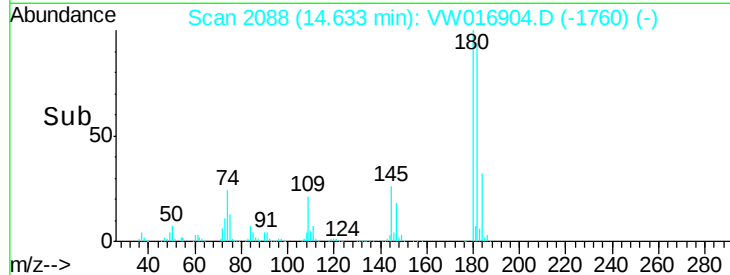
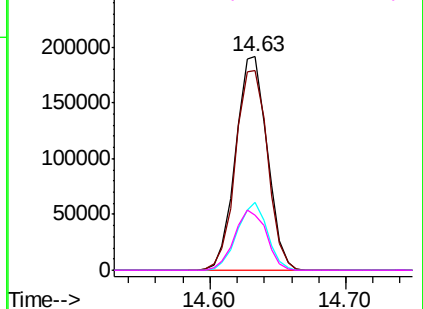
#67
 1,3,5-Trichlorobenzene
 Concen: 26.335 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW016904.D
 Acq: 14 Oct 2020 19:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

Tot Ion:180	Resp:	310659
Ion	Ratio	Lower Upper
180	100	
182	94.6	79.0 118.6
184	30.0	24.9 37.3
145	28.4	23.0 34.4

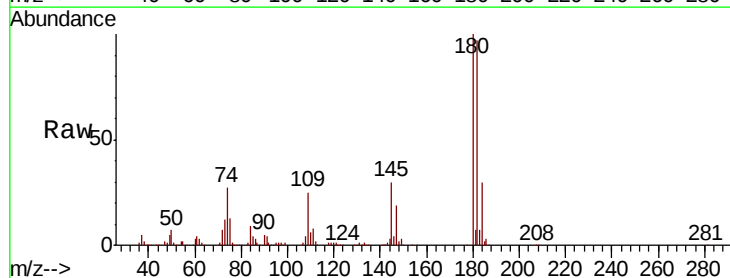


Abundance Ion 180.00 (179.70 to 180.70): V
 300000
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

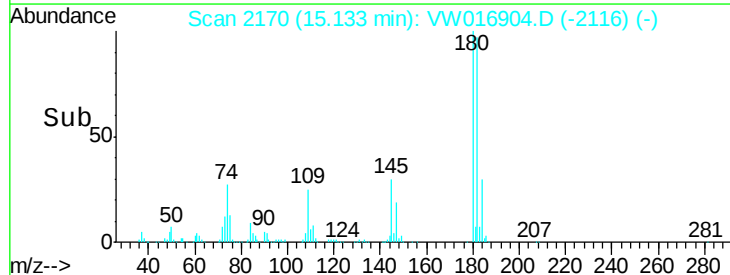
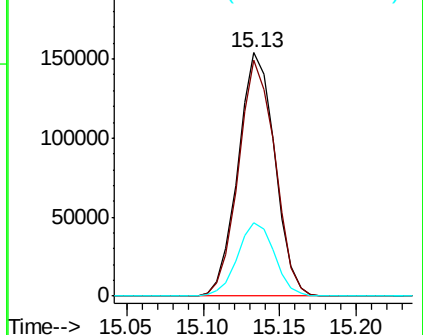


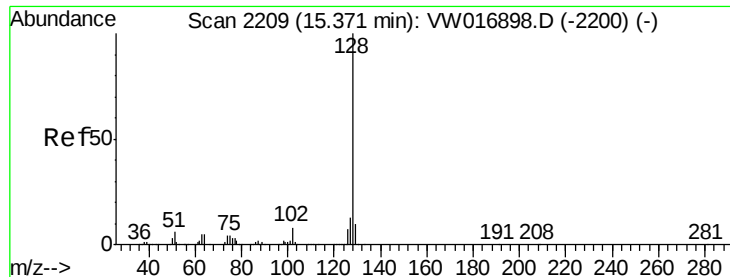
#68
 1,2,4-trichlorobenzene
 Concen: 26.575 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW016904.D
 Acq: 14 Oct 2020 19:32

Tgt Ion:180	Resp:	257492
Ion	Ratio	Lower Upper
180	100	
182	96.3	74.2 111.2
145	30.2	23.4 35.0



Abundance Ion 180.00 (179.70 to 180.70): V
 200000
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 31.480 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW016904.D

Acq: 14 Oct 2020 19:32

Instrument :

MSVOA_W

ClientSampleId :

VSTD02510

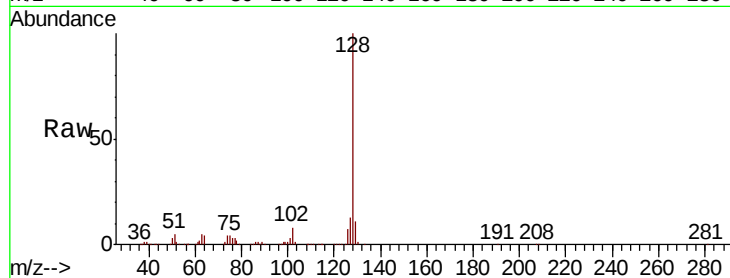
Tot Ion:128 Resp: 505087

Ion Ratio Lower Upper

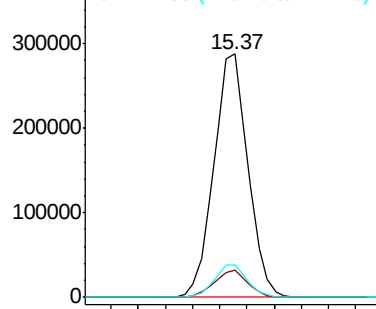
128 100

129 10.8 8.7 13.1

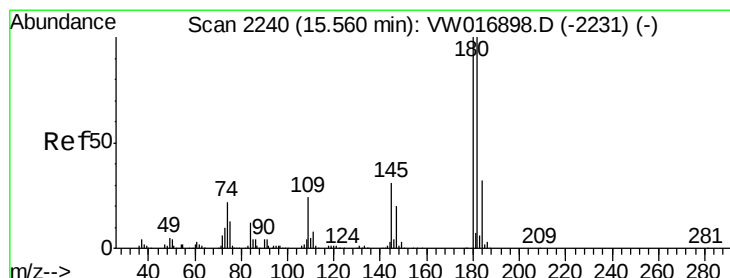
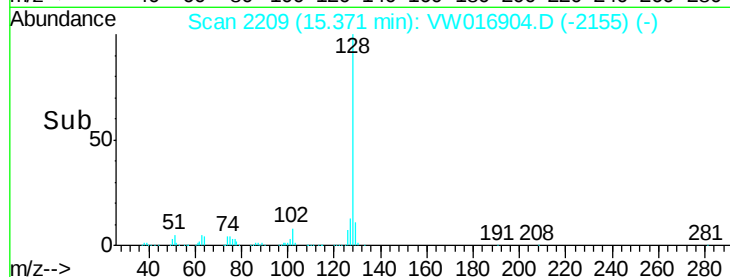
127 13.0 10.1 15.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



Time-->



#70

1,2,3-Trichlorobenzene

Concen: 26.887 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW016904.D

Acq: 14 Oct 2020 19:32

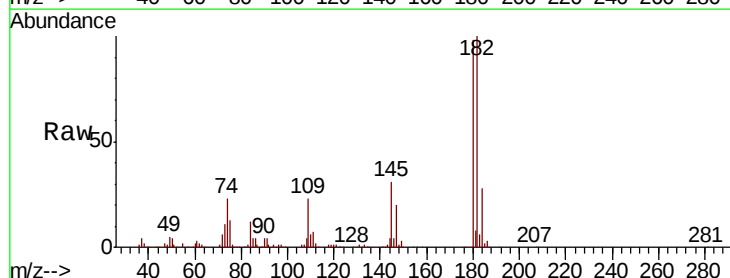
Tgt Ion:180 Resp: 223857

Ion Ratio Lower Upper

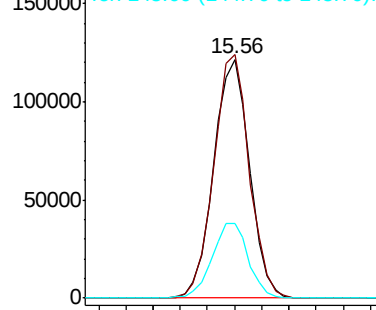
180 100

182 100.9 74.1 111.1

145 32.0 24.8 37.2



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



Time-->

