

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092920\
 Data File : VW016680.D
 Acq On : 29 Sep 2020 09:43
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

Quant Time: Sep 30 07:10:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 29 05:26:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	667852	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	585494	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	291988	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.37	65	115995	17.94	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	71.76%
7) Chloroethane-d5	2.91	69	107502	20.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.48%
10) 1,1-Dichloroethene-d2	4.04	63	308207	21.33	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	85.32%
20) 2-Butanone-d5	7.09	46	74608	42.33	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.66%
24) Chloroform-d	7.66	84	344031	24.62	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.48%
26) 1,2-Dichloroethane-d4	8.31	65	169061	23.57	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.28%
29) Benzene-d6	8.28	84	575858	21.93	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	87.72%
33) 1,2-Dichloropropane-d6	9.28	67	171433	24.09	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.36%
37) Toluene-d8	10.33	98	532025	20.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	82.36%
38) trans-1,3-Dichloropropene-	10.58	79	78852	21.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.92%
39) 2-Hexanone-d5	10.93	63	62569	48.34	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.68%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	148530	24.53	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.12%
61) 1,2-Dichlorobenzene-d4	13.86	152	228848	24.53	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.12%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.03	85	215390	26.107	ug/L 96
3) Chloromethane	2.23	50	157417	26.076	ug/L 98
5) Vinyl chloride	2.38	62	240775	27.028	ug/L 99
6) Bromomethane	2.80	94	167368	24.760	ug/L 100
8) Chloroethane	2.95	64	139544	26.479	ug/L 99
9) Trichlorofluoromethane	3.28	101	241081	26.841	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.08	101	244505	28.415	ug/L 99
12) 1,1-Dichloroethene	4.06	96	233510	27.604	ug/L 92
13) Acetone	4.15	43	52090	37.730	ug/L 100
14) Carbon disulfide	4.40	76	649275	25.441	ug/L 100
15) Methyl Acetate	4.69	43	66151	21.042	ug/L 98
16) Methylene chloride	4.93	84	213800	20.756	ug/L 99
17) Methyl tert-butyl Ether	5.43	73	279761	24.145	ug/L 98
18) trans-1,2-Dichloroethene	5.44	96	240152	27.413	ug/L 98
19) 1,1-Dichloroethane	6.23	63	373901	26.989	ug/L 99
21) 2-Butanone	7.18	43	82875	35.284	ug/L 92
22) cis-1,2-Dichloroethene	7.18	96	247867	27.269	ug/L 95

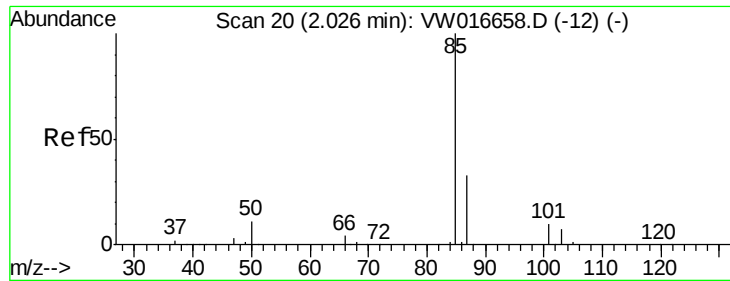
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092920\
 Data File : VW016680.D
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 Operator : SY/VA
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Quant Time: Sep 30 07:10:38 2020
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 Quant Title : VOC Analysis
 QLast Update : Tue Sep 29 05:26:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	114133	25.828	ug/L	98
25) Chloroform	7.68	83	413907	27.403	ug/L	99
27) 1,2-Dichloroethane	8.41	62	246808	25.467	ug/L	100
30) Cyclohexane	7.96	56	343684	26.861	ug/L	98
31) 1,1,1-Trichloroethane	7.88	97	387422	28.332	ug/L	99
32) Carbon tetrachloride	8.07	117	375165	28.240	ug/L	100
34) Benzene	8.33	78	857073	27.311	ug/L	100
35) Trichloroethene	9.10	95	253044	27.870	ug/L	99
36) Methylcyclohexane	9.34	83	421106	27.344	ug/L	99
40) 1,2-Dichloropropane	9.37	63	194661	26.670	ug/L	100
41) Bromodichloromethane	9.65	83	291150	26.918	ug/L	98
42) cis-1,3-Dichloropropene	10.08	75	331794	26.614	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	196810	42.441	ug/L	97
44) Toluene	10.39	91	983121	27.860	ug/L	96
45) trans-1,3-Dichloropropene	10.61	75	279694	25.785	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	157787	25.661	ug/L	98
47) Tetrachloroethene	10.87	164	231927	28.289	ug/L	91
49) 2-Hexanone	10.97	43	134099	45.565	ug/L	98
50) Dibromochloromethane	11.13	129	206068	25.669	ug/L	95
51) 1,2-Dibromoethane	11.24	107	154752	25.137	ug/L #	91
52) Chlorobenzene	11.66	112	650545	27.446	ug/L	99
53) Ethylbenzene	11.73	91	1131006	28.230	ug/L	95
54) m,p-Xylene	11.84	106	439789	28.034	ug/L	98
55) o-xylene	12.17	106	413133	27.489	ug/L	98
56) Styrene	12.18	104	682093	27.331	ug/L	100
57) Isopropylbenzene	12.47	105	1155725	28.142	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	165287	24.038	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	119928	23.417	ug/L	100
62) Bromoform	12.35	173	120498	24.467	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	531238	27.972	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	515463	27.714	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	453215	26.707	ug/L	92
66) 1,2-Dibromo-3-chloropropan	14.49	75	27378	22.507	ug/L	89
67) 1,3,5-Trichlorobenzene	14.63	180	403721	29.066	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	329907	29.361	ug/L	97
69) Naphthalene	15.37	128	530923	26.655	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	274378	28.393	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 26.107 ug/L

RT: 2.03 min Scan# 21

Delta R.T. 0.01 min

Lab File: VW016680.D

Acq: 29 Sep 2020 09:43

Instrument :

MSVOA_W

ClientSampleId :

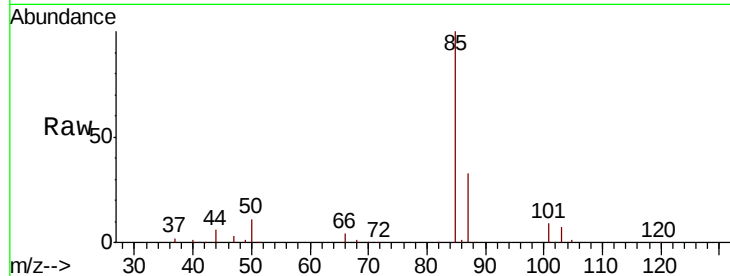
VSTD02511

Tot Ion: 85 Resp: 215390

Ion Ratio Lower Upper

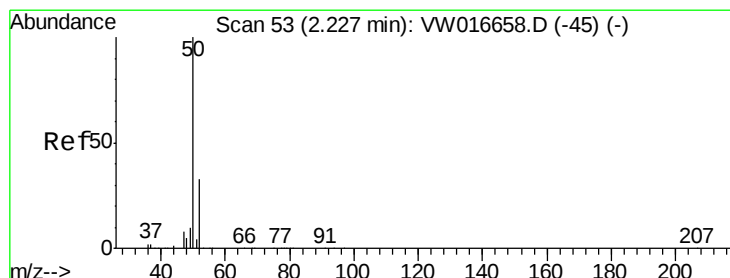
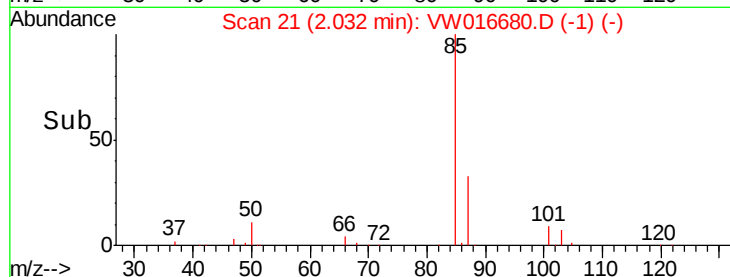
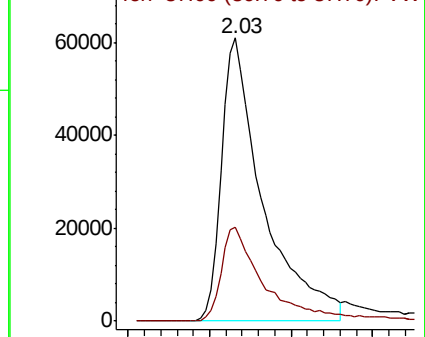
85 100

87 33.7 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: 26.076 ug/L

RT: 2.23 min Scan# 54

Delta R.T. 0.01 min

Lab File: VW016680.D

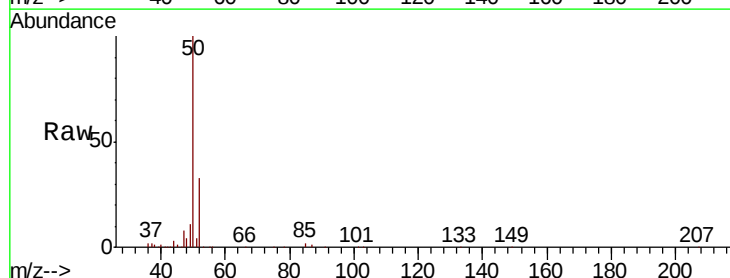
Acq: 29 Sep 2020 09:43

Tgt Ion: 50 Resp: 157417

Ion Ratio Lower Upper

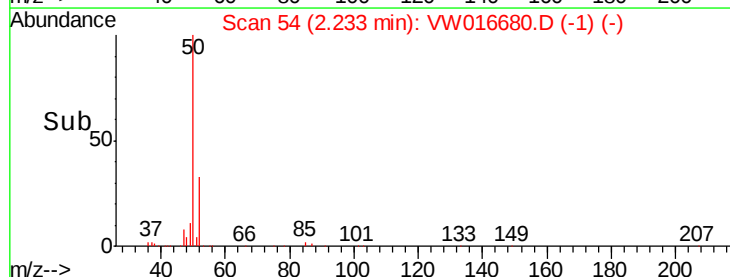
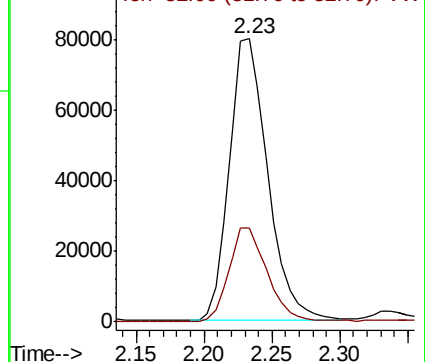
50 100

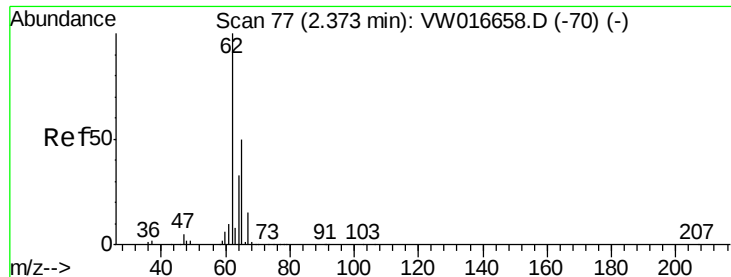
52 33.1 22.4 41.6



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 27.028 ug/L

RT: 2.38 min Scan# 78

Delta R.T. 0.01 min

Lab File: VW016680.D

Acq: 29 Sep 2020 09:43

Instrument :

MSVOA_W

ClientSampleId :

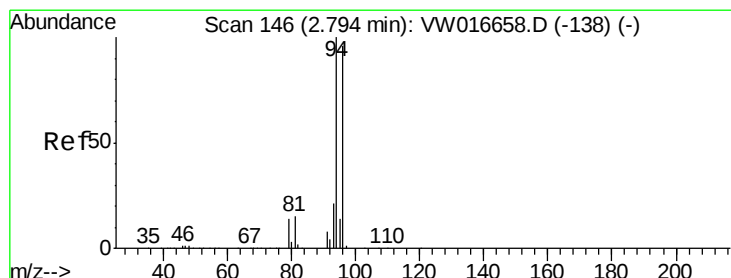
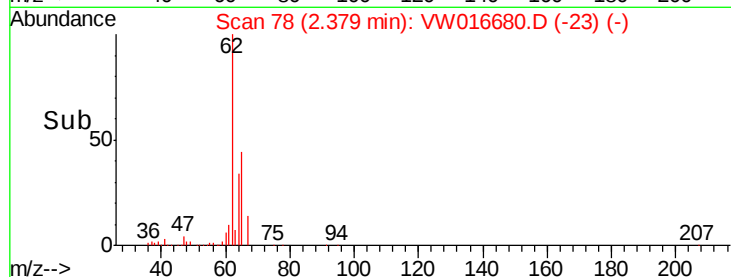
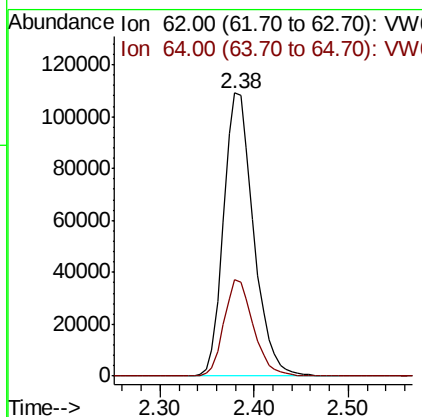
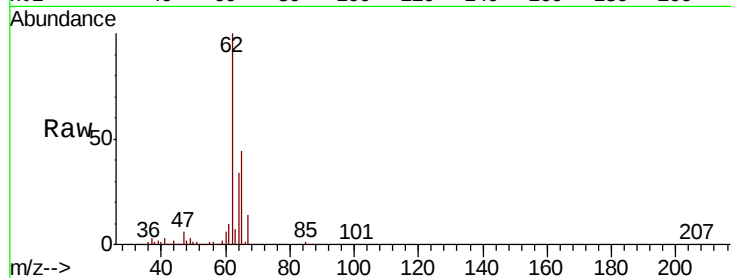
VSTD02511

Tot Ion: 62 Resp: 240775

Ion Ratio Lower Upper

62 100

64 33.9 23.4 43.4



#6

Bromomethane

Concen: 24.760 ug/L

RT: 2.80 min Scan# 147

Delta R.T. 0.01 min

Lab File: VW016680.D

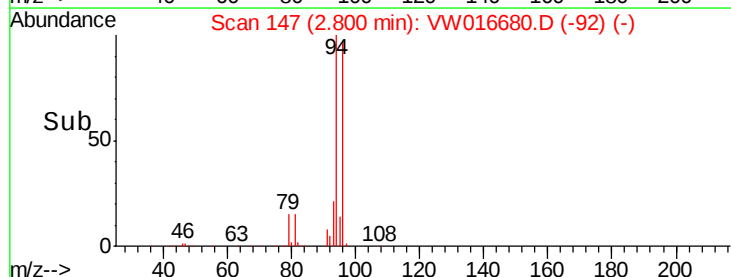
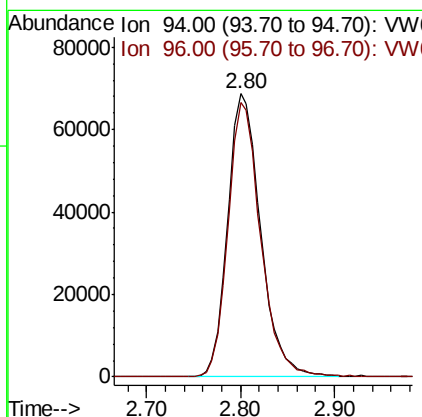
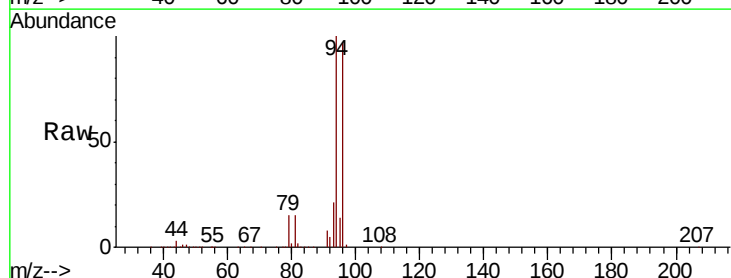
Acq: 29 Sep 2020 09:43

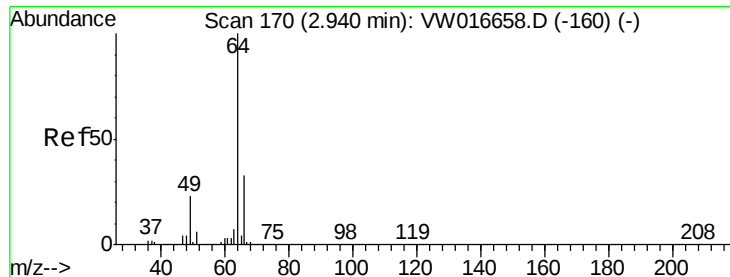
Tgt Ion: 94 Resp: 167368

Ion Ratio Lower Upper

94 100

96 95.7 9.6 181.6

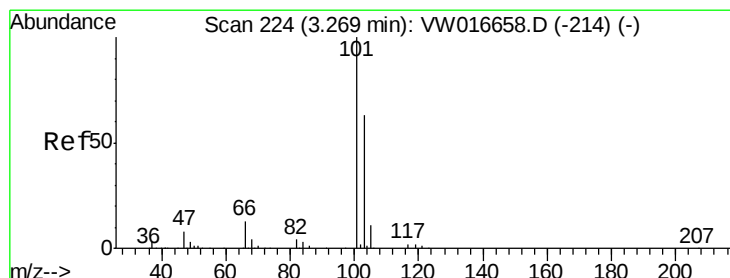
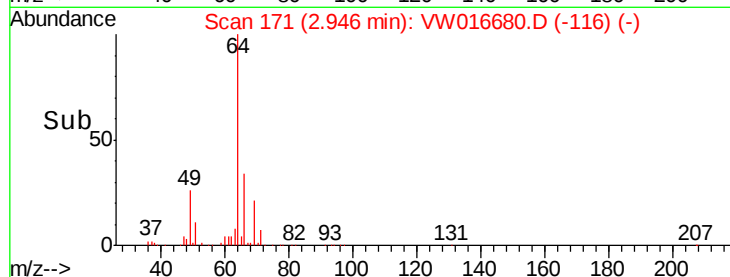
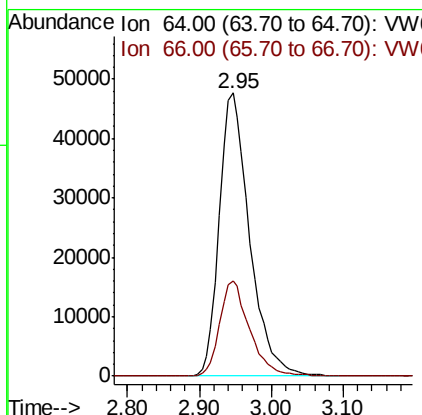
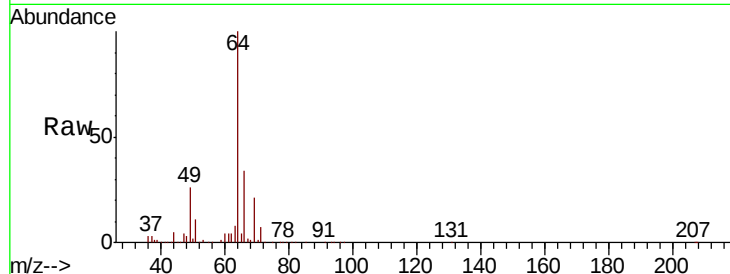




#8
Chloroethane
Concen: 26.479 ug/L
RT: 2.95 min Scan# 171
Delta R.T. 0.01 min
Lab File: VW016680.D
Acq: 29 Sep 2020 09:43

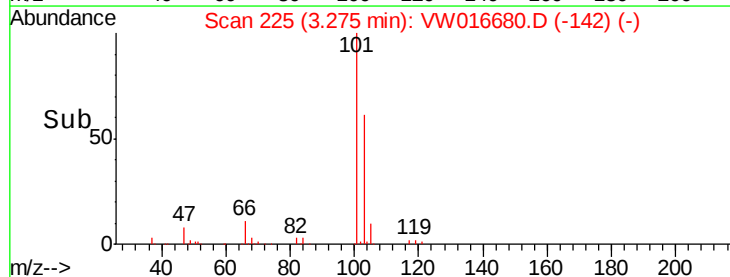
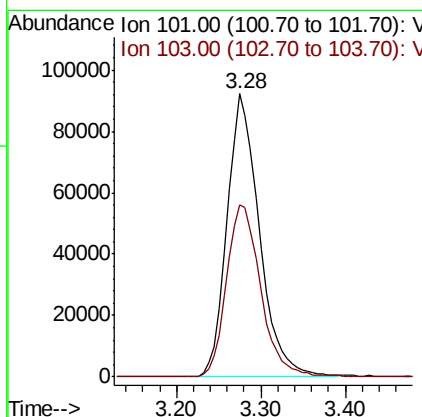
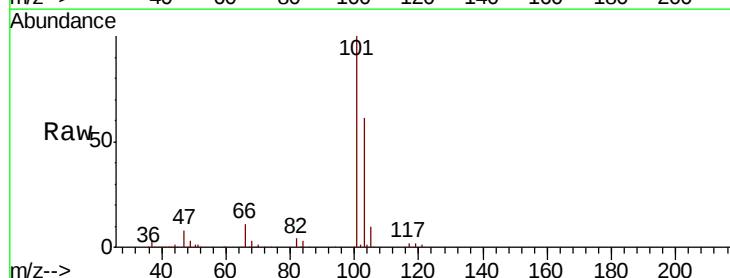
Instrument :
MSVOA_W
ClientSampleId :
VSTD02511

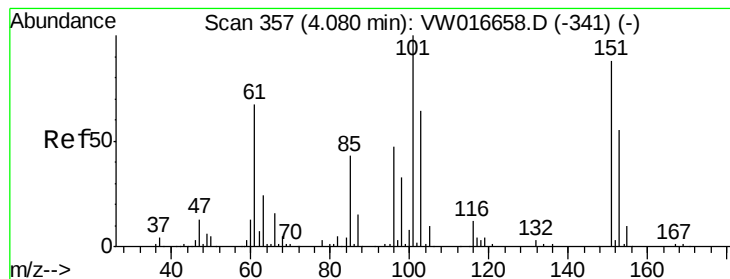
Tot Ion: 64 Resp: 139544
Ion Ratio Lower Upper
64 100
66 33.7 23.2 43.2



#9
Trichlorofluoromethane
Concen: 26.841 ug/L
RT: 3.28 min Scan# 225
Delta R.T. 0.01 min
Lab File: VW016680.D
Acq: 29 Sep 2020 09:43

Tgt Ion: 101 Resp: 241081
Ion Ratio Lower Upper
101 100
103 64.1 45.2 84.0





#11

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

Concen: 28.415 ug/L

RT: 4.08 min Scan# 357

Delta R.T. -0.00 min

Lab File: VW016680.D

Acq: 29 Sep 2020 09:43

Instrument :

MSVOA_W

ClientSampled :

VSTD02511

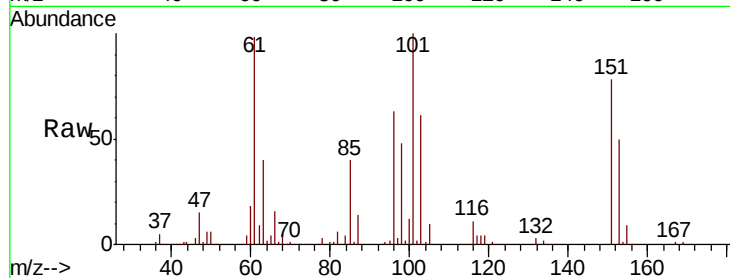
Tot Ion:101 Resp: 244505

Ion Ratio Lower Upper

101 100

85 41.8 32.6 49.0

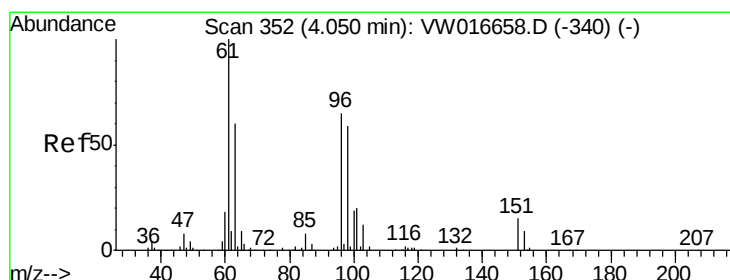
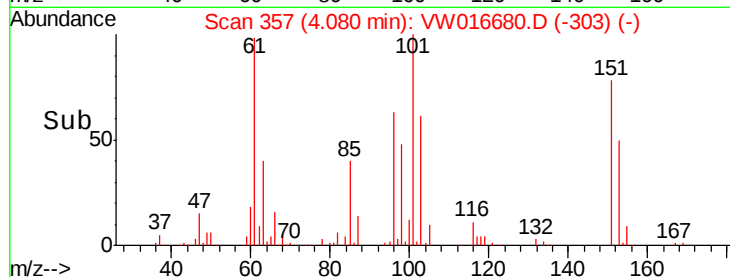
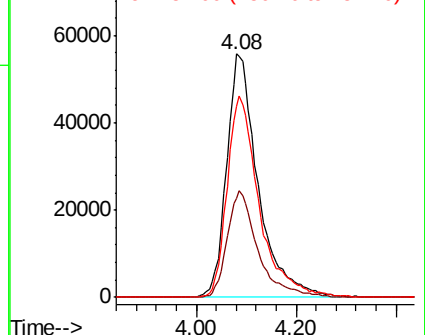
151 83.2 66.0 99.0



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: 27.604 ug/L

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW016680.D

Acq: 29 Sep 2020 09:43

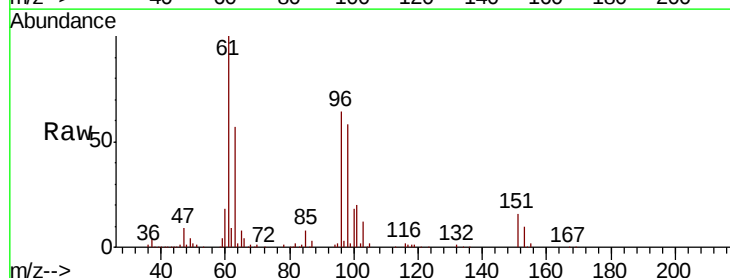
Tgt Ion: 96 Resp: 233510

Ion Ratio Lower Upper

96 100

61 155.8 111.4 206.8

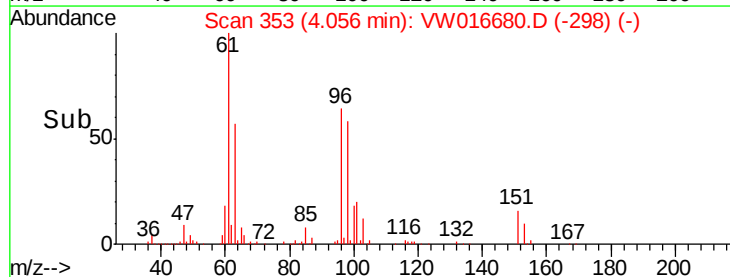
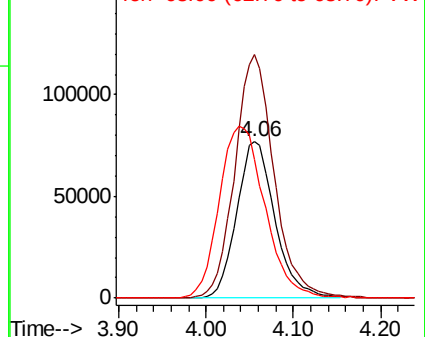
63 88.6 73.0 135.6

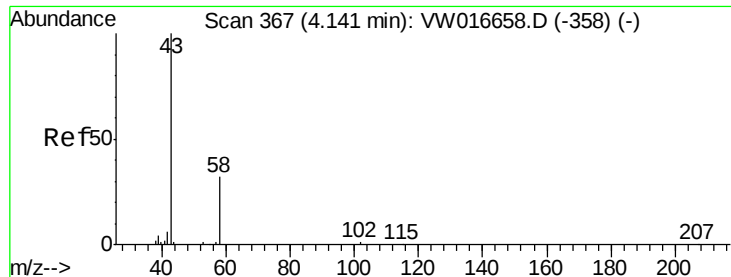


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 37.730 ug/L

RT: 4.15 min Scan# 369

Delta R.T. 0.01 min

Lab File: VW016680.D

Acq: 29 Sep 2020 09:43

Instrument :

MSVOA_W

ClientSampleId :

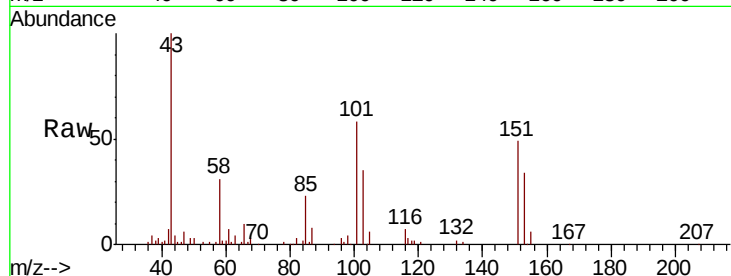
VSTD02511

Tot Ion: 43 Resp: 52090

Ion Ratio Lower Upper

43 100

58 29.9 0.0 60.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

20000

15000

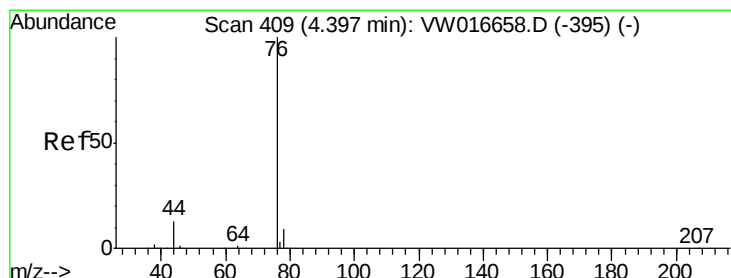
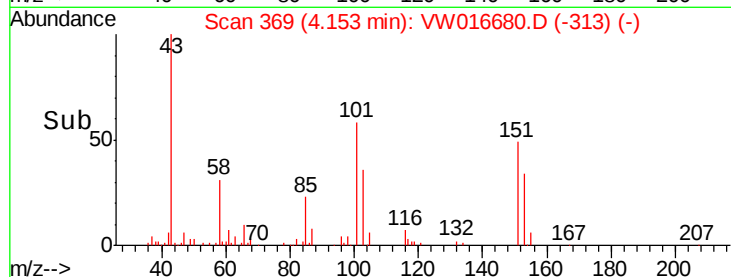
10000

5000

0

4.10 4.20

Time-->



#14

Carbon disulfide

Concen: 25.441 ug/L

RT: 4.40 min Scan# 409

Delta R.T. -0.00 min

Lab File: VW016680.D

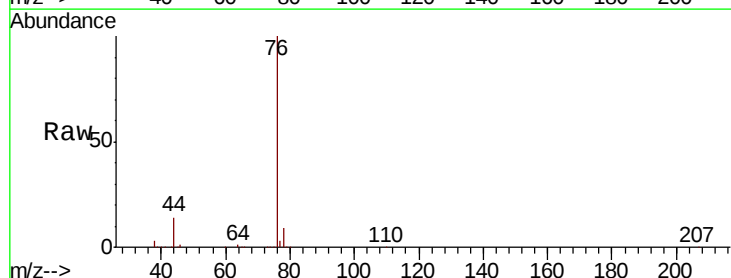
Acq: 29 Sep 2020 09:43

Tgt Ion: 76 Resp: 649275

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

250000

200000

150000

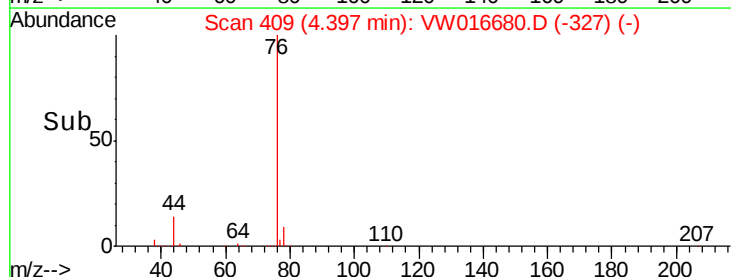
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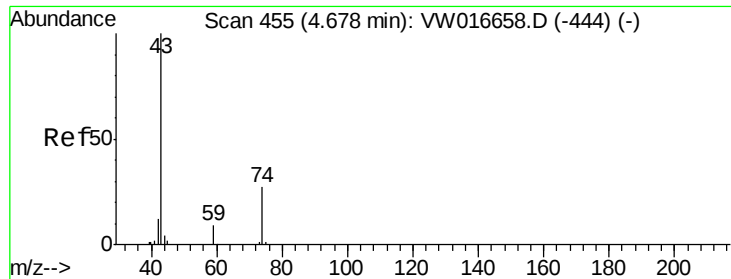
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4.20 4.30 4.40 4.50 4.60

Time-->

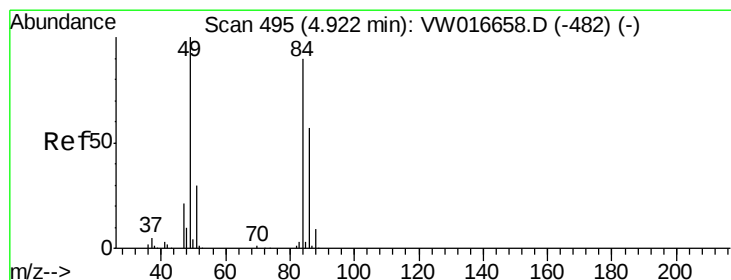
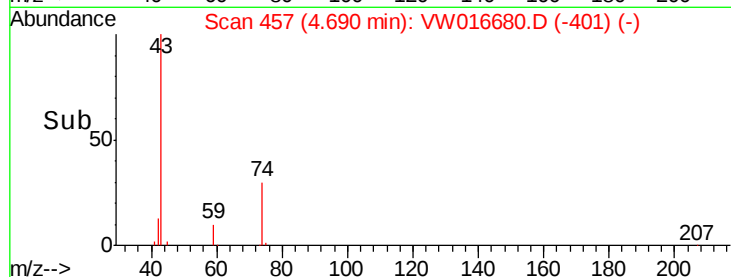
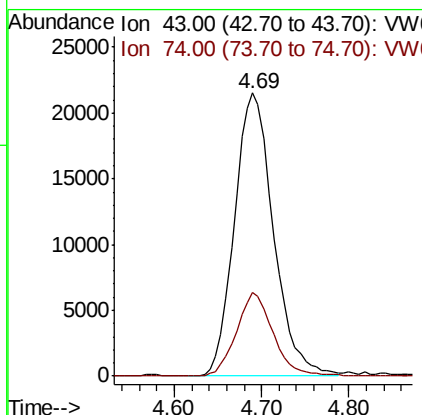
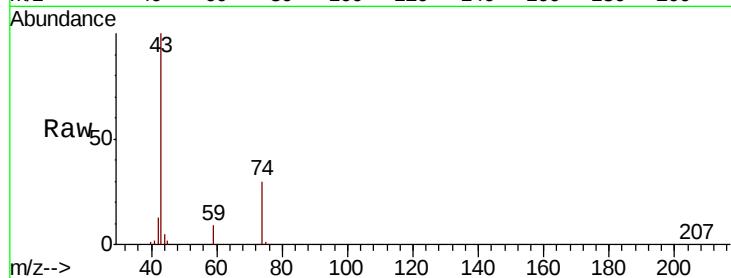




#15
Methyl Acetate
Concen: 21.042 ug/L
RT: 4.69 min Scan# 457
Delta R.T. 0.01 min
Lab File: VW016680.D
Acq: 29 Sep 2020 09:43

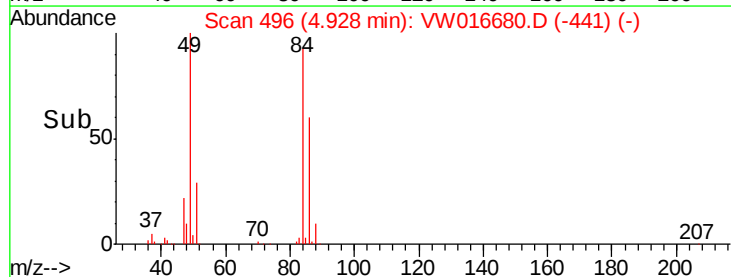
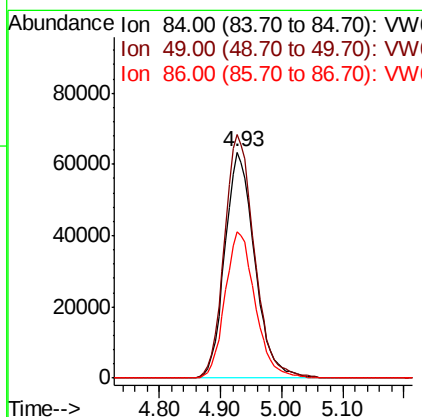
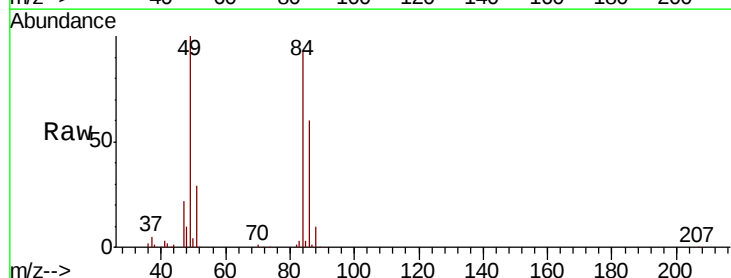
Instrument :
MSVOA_W
ClientSampled :
VSTD02511

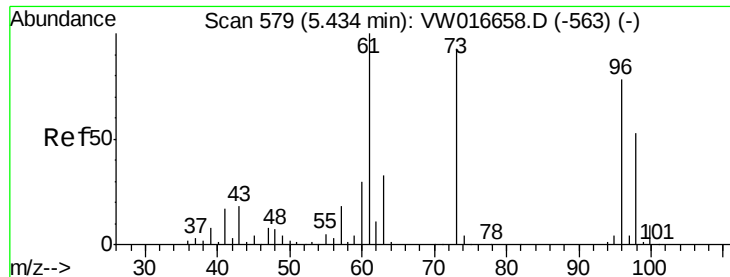
Tot Ion: 43 Resp: 66151
Ion Ratio Lower Upper
43 100
74 27.8 21.5 32.3



#16
Methylene chloride
Concen: 20.756 ug/L
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW016680.D
Acq: 29 Sep 2020 09:43

Tgt Ion: 84 Resp: 213800
Ion Ratio Lower Upper
84 100
49 107.6 76.0 141.2
86 64.6 45.6 84.6

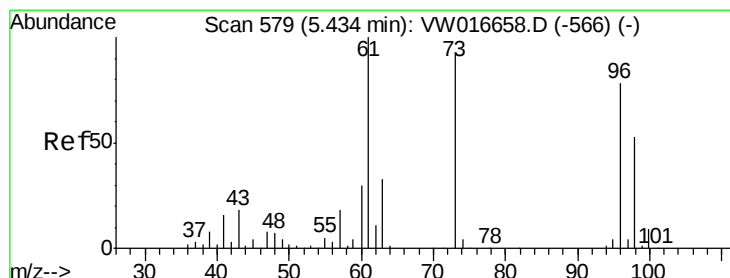
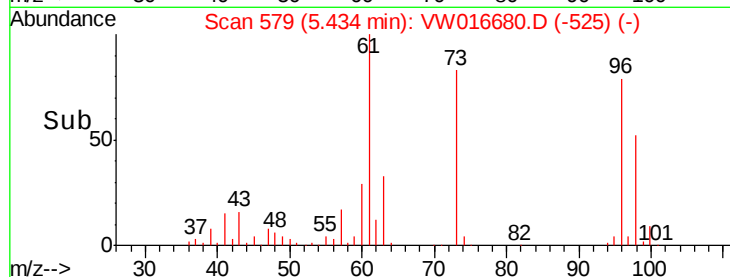
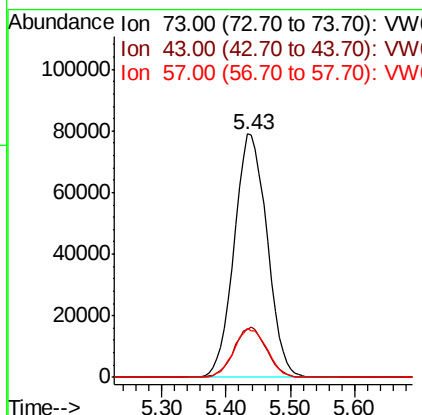
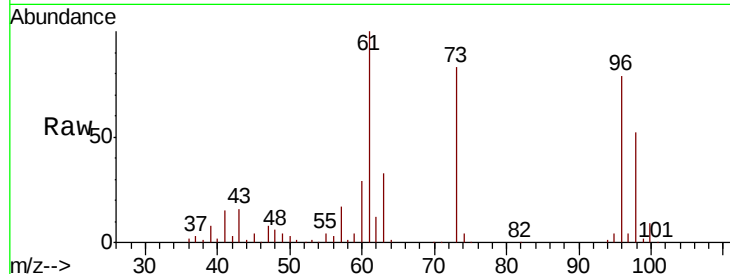




#17
Methvl tert-butvl Ether
Concen: 24.145 ug/L
RT: 5.43 min Scan# 579
Delta R.T. -0.00 min
Lab File: VW016680.D
Acq: 29 Sep 2020 09:43

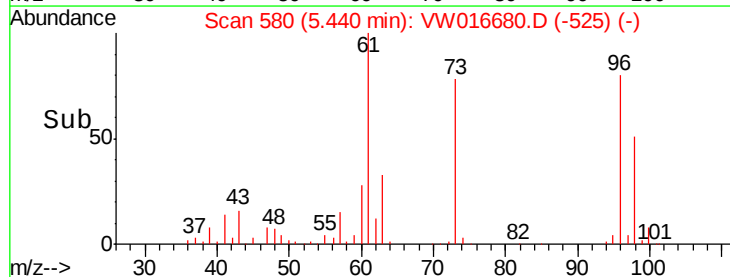
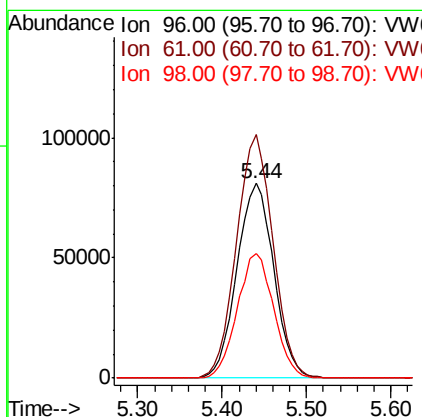
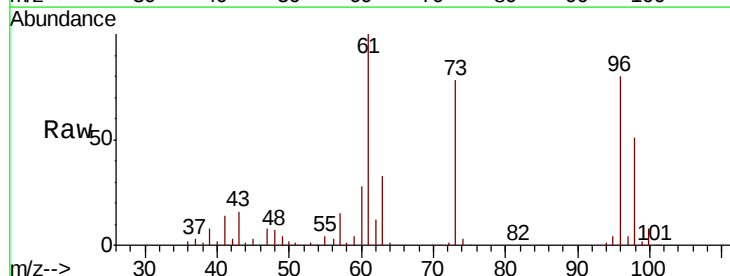
Instrument :
MSVOA_W
ClientSampleId :
VSTD02511

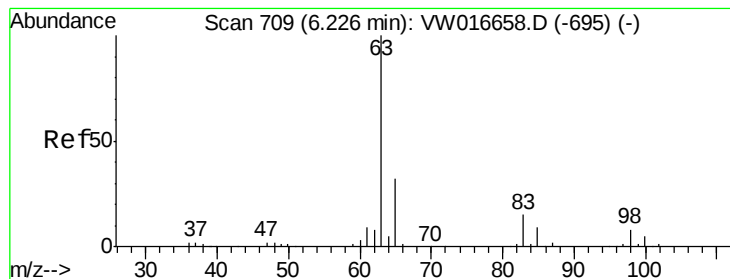
Tot Ion: 73 Resp: 279761
Ion Ratio Lower Upper
73 100
43 20.4 17.2 25.8
57 20.1 16.3 24.5



#18
trans-1,2-Dichloroethene
Concen: 27.413 ug/L
RT: 5.44 min Scan# 580
Delta R.T. 0.01 min
Lab File: VW016680.D
Acq: 29 Sep 2020 09:43

Tgt Ion: 96 Resp: 240152
Ion Ratio Lower Upper
96 100
61 125.2 88.4 164.2
98 64.3 43.0 80.0





#19

1,1-Dichloroethane

Concen: 26.989 ug/L

RT: 6.23 min Scan# 709

Delta R.T. -0.00 min

Lab File: VW016680.D

Acq: 29 Sep 2020 09:43

Instrument :

MSVOA_W

ClientSampleId :

VSTD02511

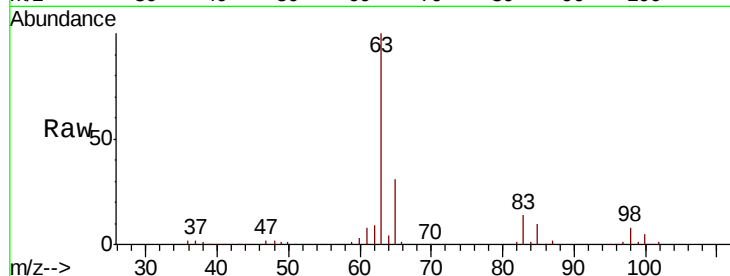
Tot Ion: 63 Resp: 373901

Ion Ratio Lower Upper

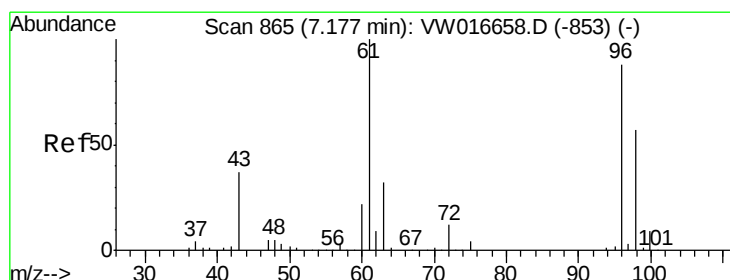
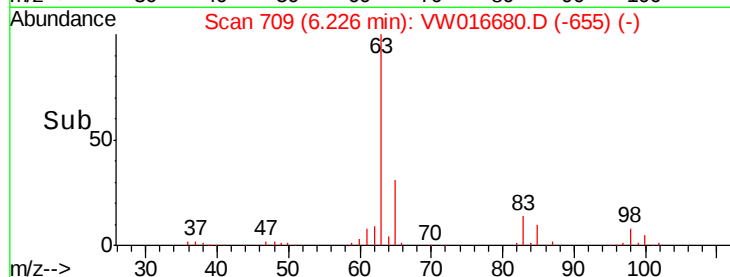
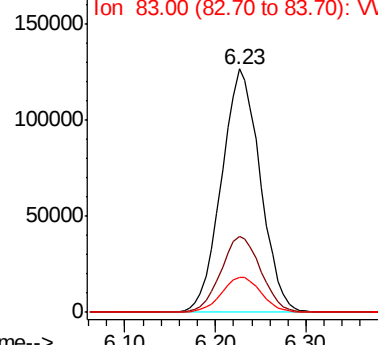
63 100

65 31.0 21.6 40.0

83 14.1 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: 35.284 ug/L

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW016680.D

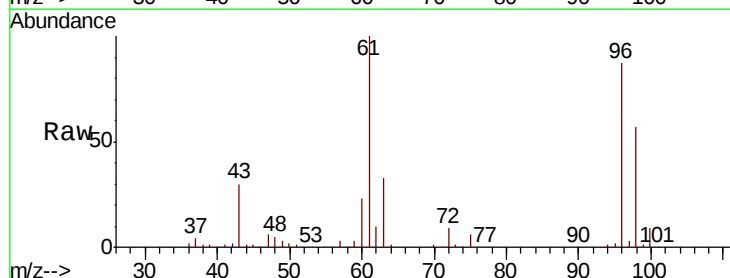
Acq: 29 Sep 2020 09:43

Tgt Ion: 43 Resp: 82875

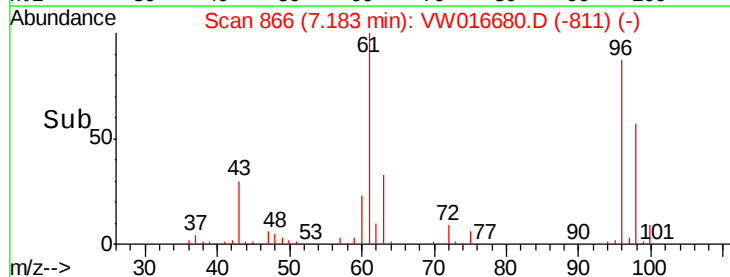
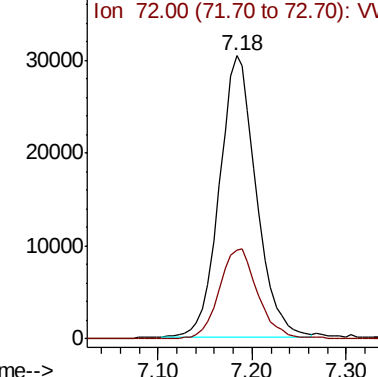
Ion Ratio Lower Upper

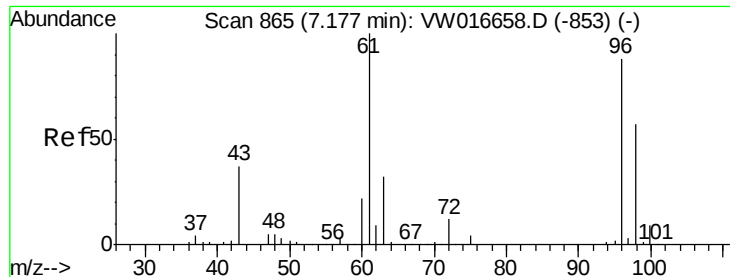
43 100

72 33.6 14.6 43.8



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



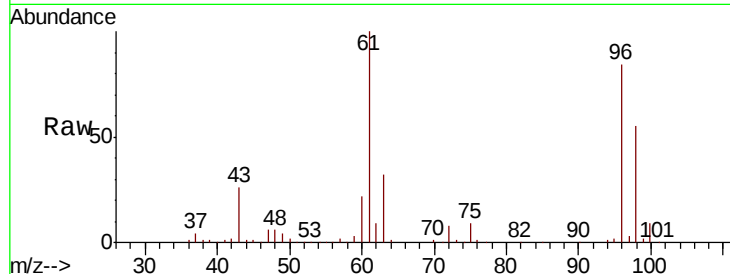


#22

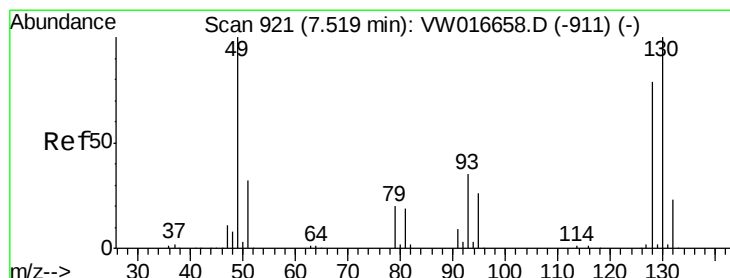
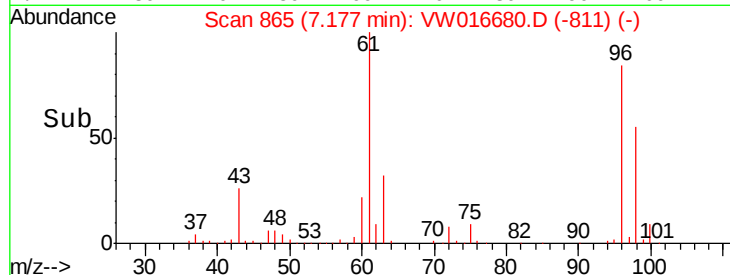
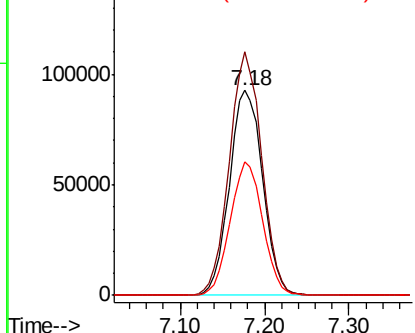
cis-1,2-Dichloroethene
 Concen: 27.269 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. -0.00 min
 Lab File: VW016680.D
 Acq: 29 Sep 2020 09:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

Tot Ion: 96 Resp: 247867
 Ion Ratio Lower Upper
 96 100
 61 119.0 78.4 145.6
 98 65.5 44.8 83.2



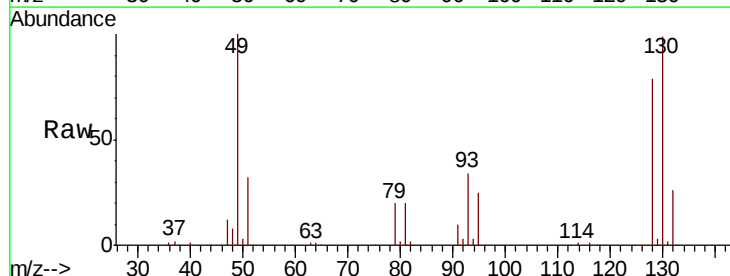
Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 98.00 (97.70 to 98.70): VW



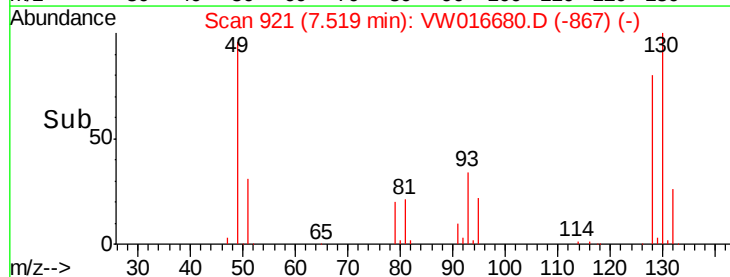
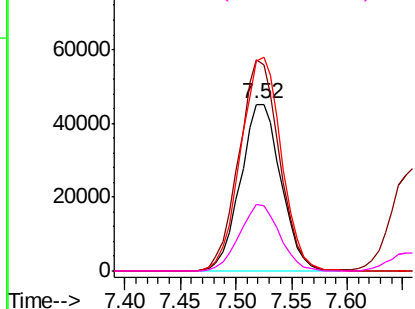
#23

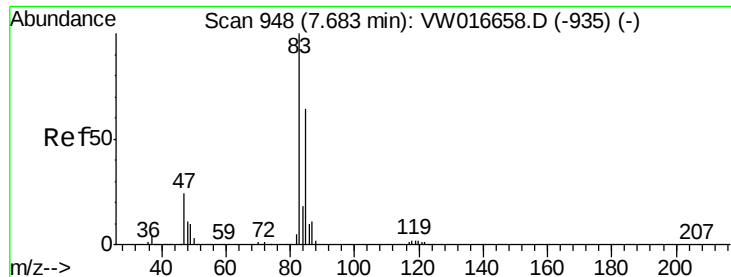
Bromochloromethane
 Concen: 25.828 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VW016680.D
 Acq: 29 Sep 2020 09:43

Tgt Ion: 128 Resp: 114133
 Ion Ratio Lower Upper
 128 100
 49 126.8 92.1 171.1
 130 125.7 87.8 163.0
 51 40.2 33.6 50.4



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: 27.403 ug/L

RT: 7.68 min Scan# 948

Delta R.T. -0.00 min

Lab File: VW016680.D

Acq: 29 Sep 2020 09:43

Instrument :

MSVOA_W

ClientSampleId :

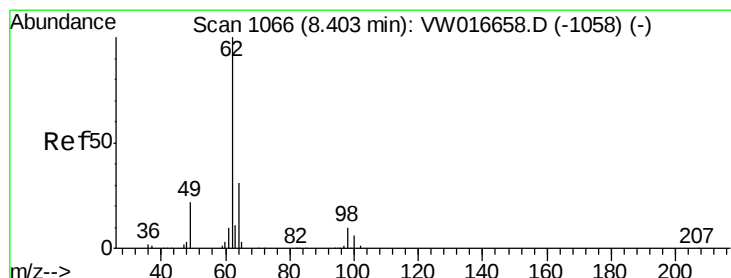
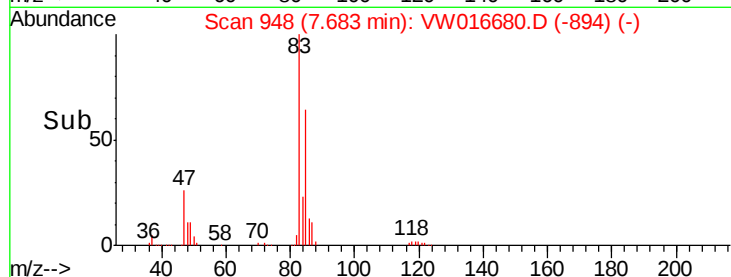
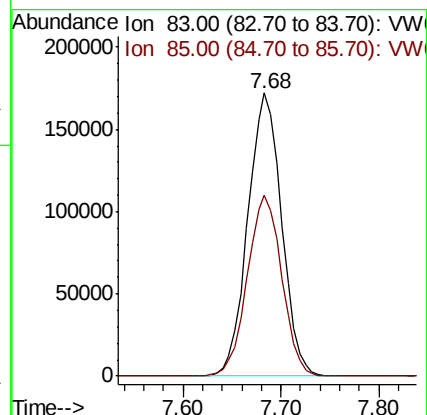
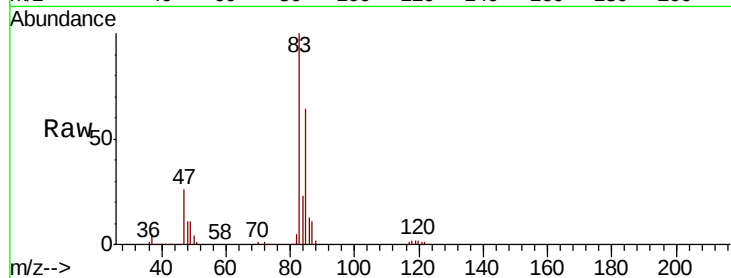
VSTD02511

Tot Ion: 83 Resp: 413907

Ion Ratio Lower Upper

83 100

85 65.2 46.1 85.5



#27

1,2-Dichloroethane

Concen: 25.467 ug/L

RT: 8.41 min Scan# 1067

Delta R.T. 0.01 min

Lab File: VW016680.D

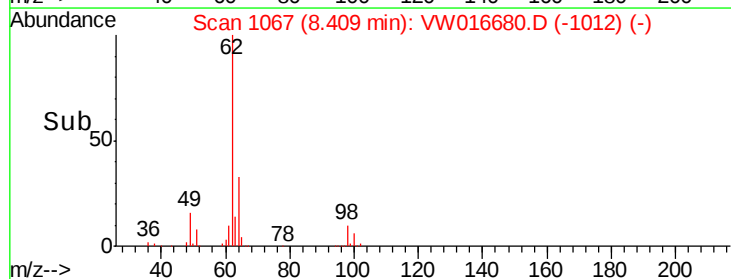
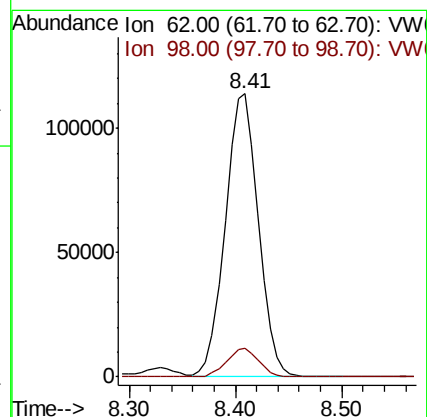
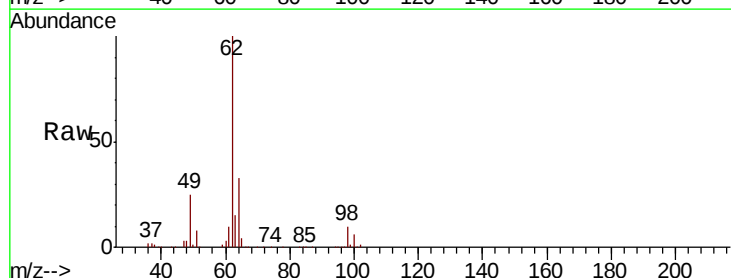
Acq: 29 Sep 2020 09:43

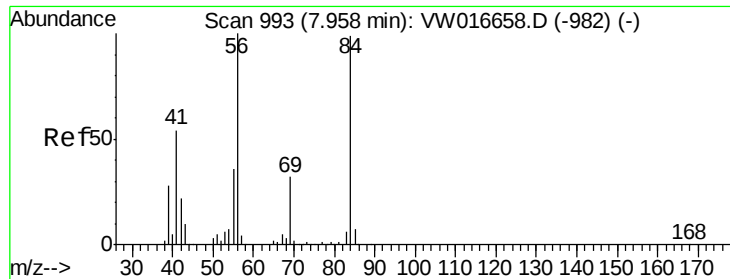
Tgt Ion: 62 Resp: 246808

Ion Ratio Lower Upper

62 100

98 9.9 7.9 11.9

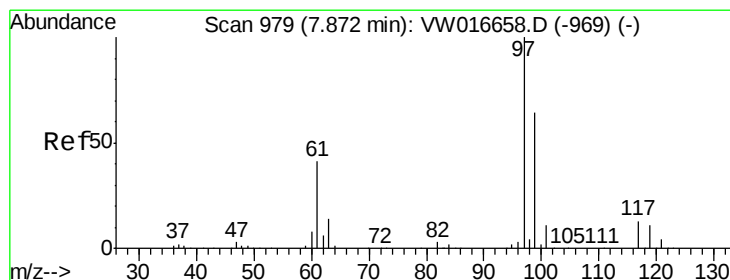
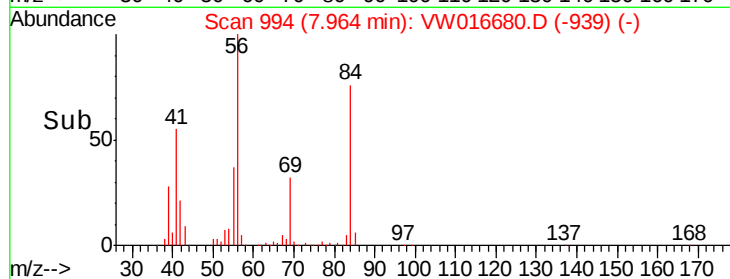
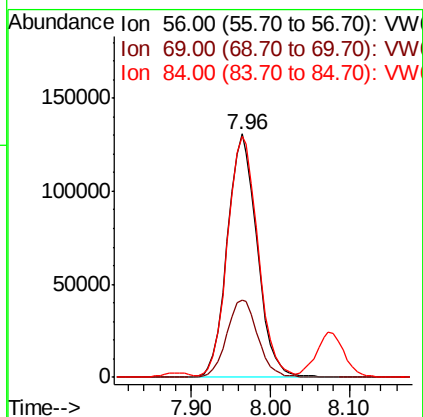
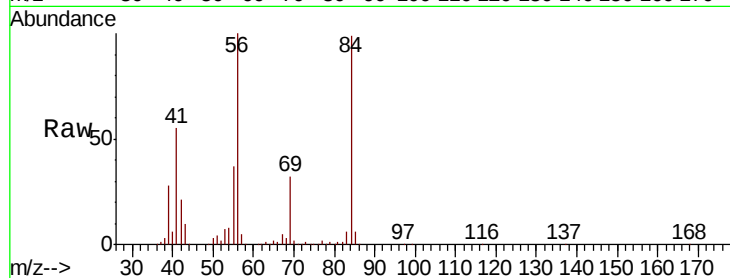




#30
Cyclohexane
Concen: 26.861 ug/L
RT: 7.96 min Scan# 994
Delta R.T. 0.01 min
Lab File: VW016680.D
Acq: 29 Sep 2020 09:43

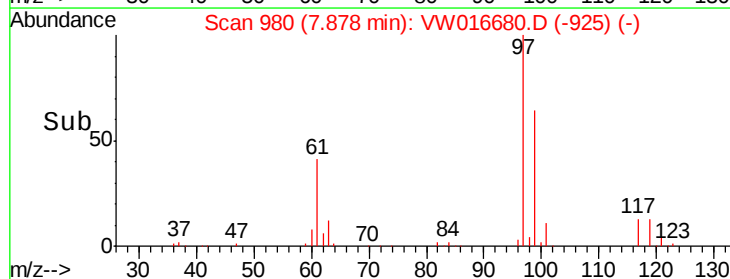
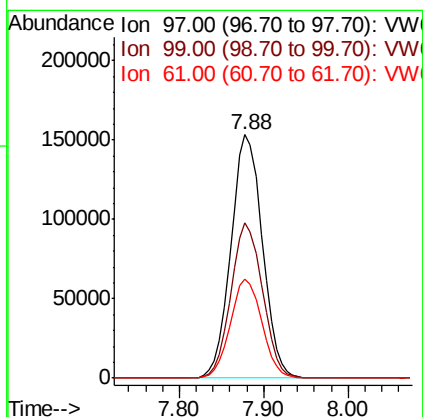
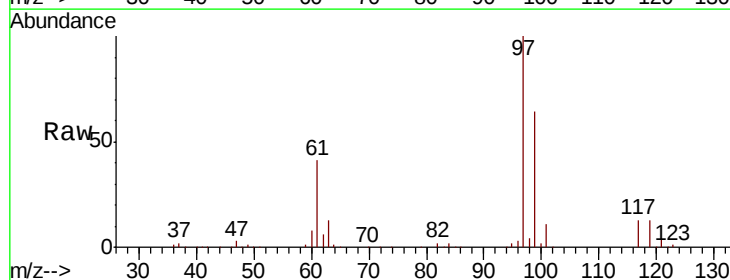
Instrument :
MSVOA_W
ClientSampleId :
VSTD02511

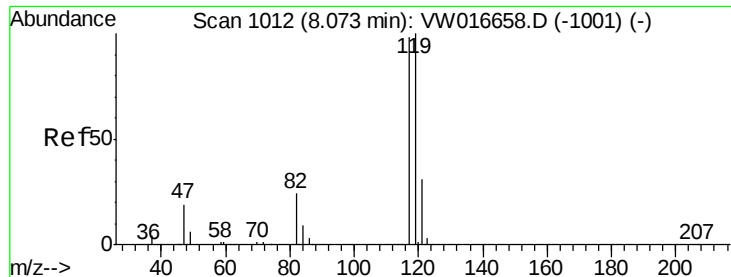
Tot Ion: 56 Resp: 343684
Ion Ratio Lower Upper
56 100
69 33.1 26.5 39.7
84 100.8 79.0 118.6



#31
1,1,1-Trichloroethane
Concen: 28.332 ug/L
RT: 7.88 min Scan# 980
Delta R.T. 0.01 min
Lab File: VW016680.D
Acq: 29 Sep 2020 09:43

Tgt Ion: 97 Resp: 387422
Ion Ratio Lower Upper
97 100
99 64.2 51.8 77.6
61 40.8 33.6 50.4





#32

Carbon tetrachloride

Concen: 28.240 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VW016680.D

Acq: 29 Sep 2020 09:43

Instrument :

MSVOA_W

ClientSampleId :

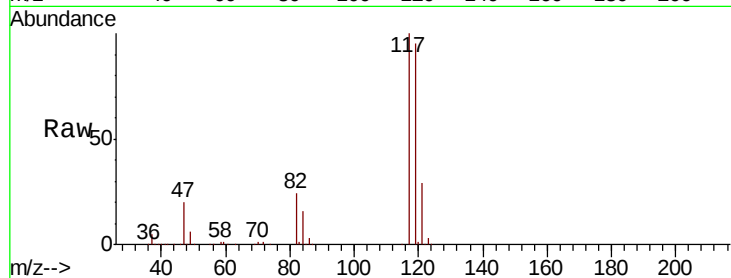
VSTD02511

Tot Ion:117 Resp: 375165

Ion Ratio Lower Upper

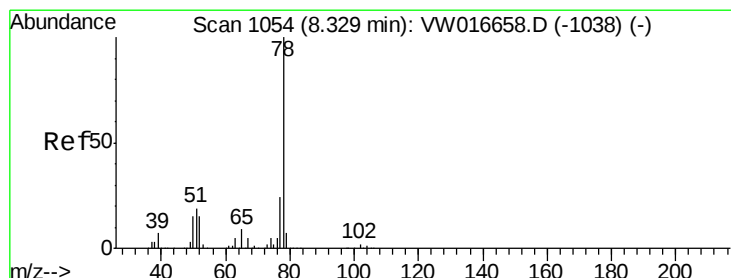
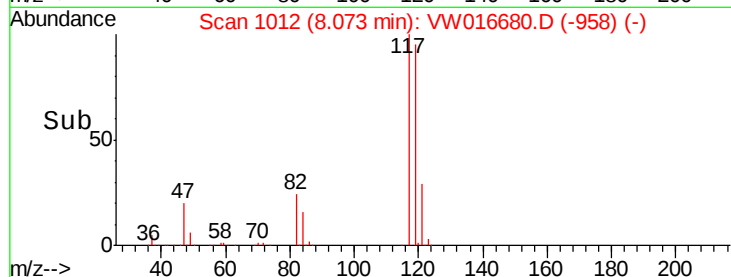
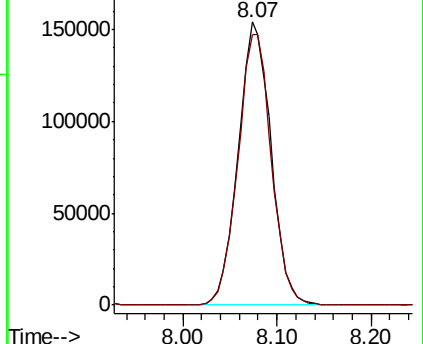
117 100

119 97.3 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: 27.311 ug/L

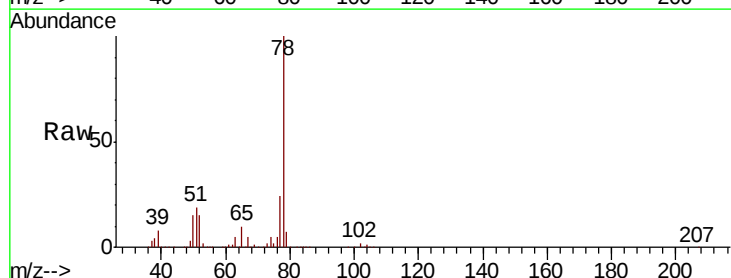
RT: 8.33 min Scan# 1054

Delta R.T. -0.00 min

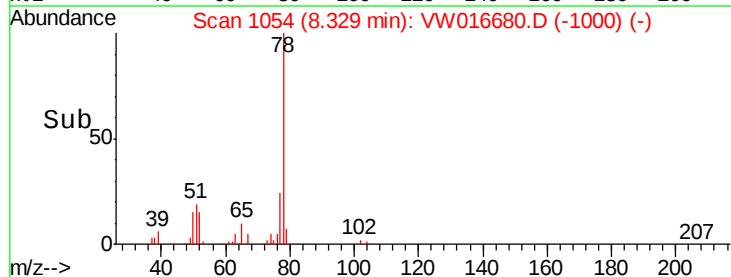
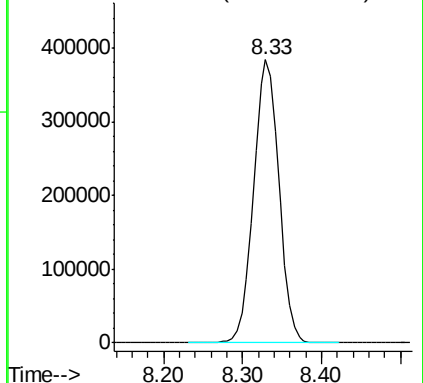
Lab File: VW016680.D

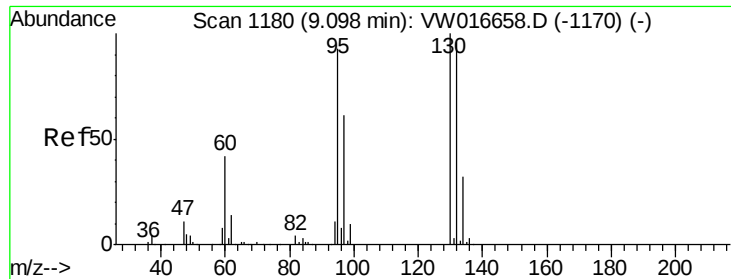
Acq: 29 Sep 2020 09:43

Tgt Ion: 78 Resp: 857073



Abundance Ion 78.00 (77.70 to 78.70): VW

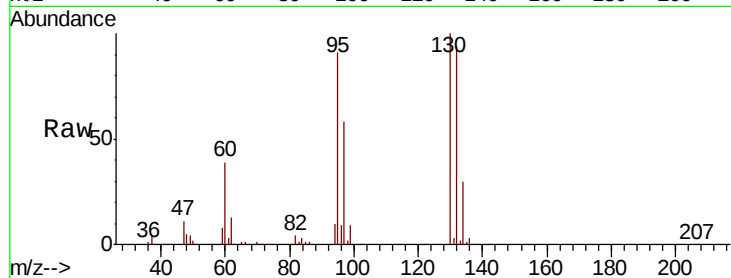




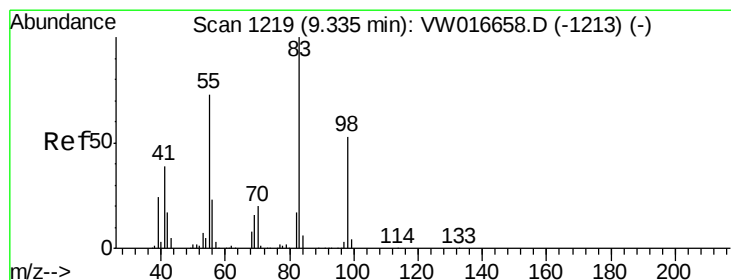
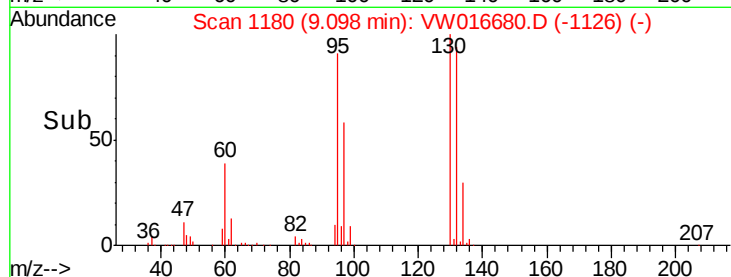
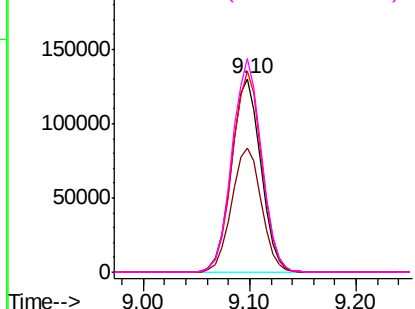
#35
 Trichloroethene
 Concen: 27.870 ug/L
 RT: 9.10 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VW016680.D
 Acq: 29 Sep 2020 09:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

Tot Ion: 95 Resp: 253044
 Ion Ratio Lower Upper
 95 100
 97 65.2 45.2 84.0
 132 104.1 73.3 136.1
 130 110.2 77.5 143.9

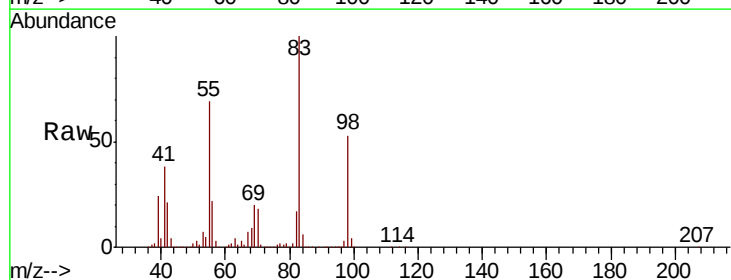


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

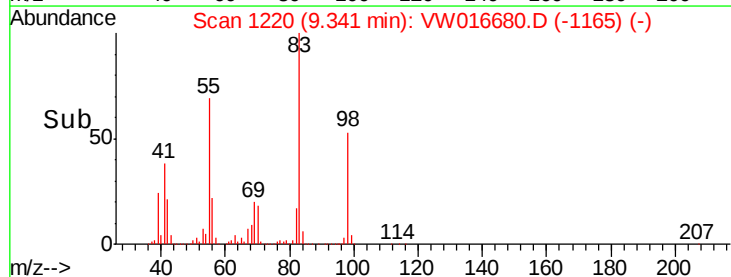
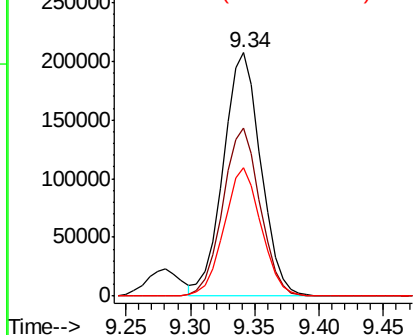


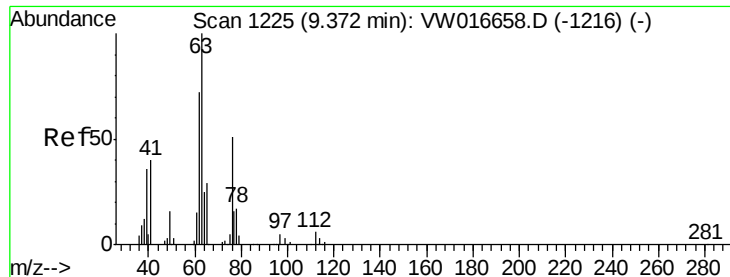
#36
 Methylcyclohexane
 Concen: 27.344 ug/L
 RT: 9.34 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: VW016680.D
 Acq: 29 Sep 2020 09:43

Tgt Ion: 83 Resp: 421106
 Ion Ratio Lower Upper
 83 100
 55 68.7 55.9 83.9
 98 51.9 42.1 63.1



Abundance Ion 83.00 (82.70 to 83.70): VW
 Ion 55.00 (54.70 to 55.70): VW
 Ion 98.00 (97.70 to 98.70): VW

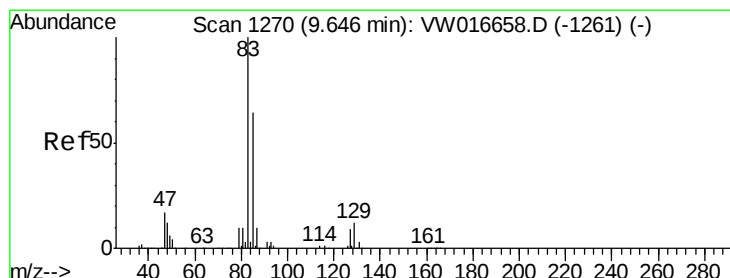
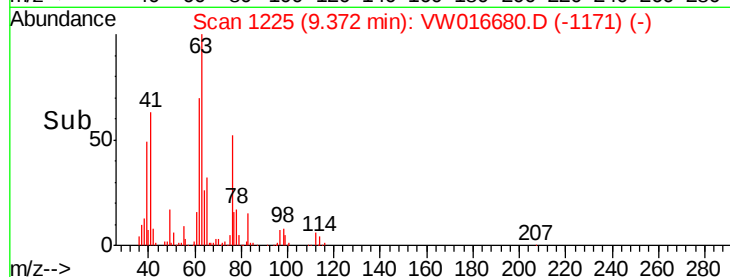
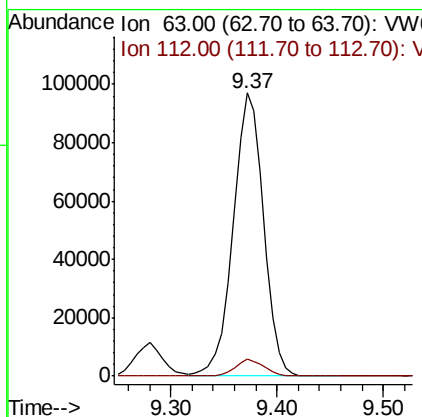
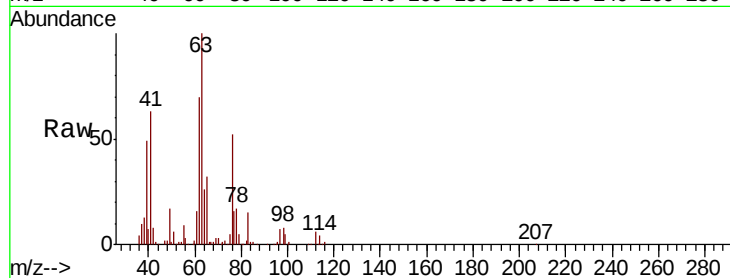




#40
 1,2-Dichloropropane
 Concen: 26.670 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW016680.D
 Acq: 29 Sep 2020 09:43

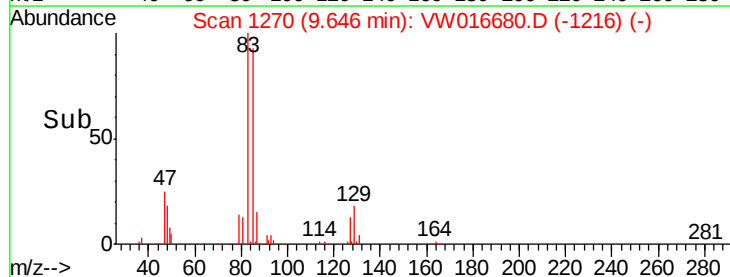
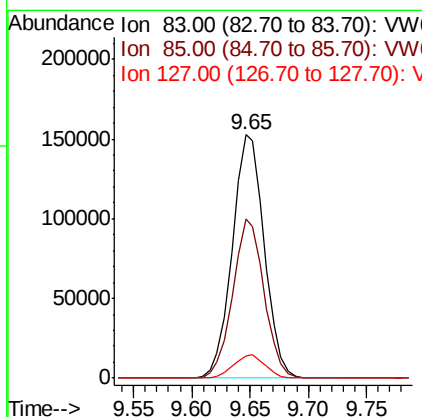
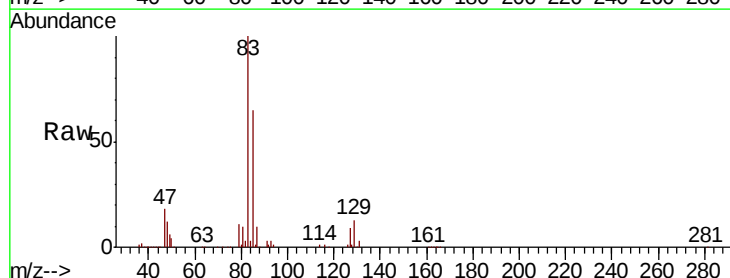
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02511

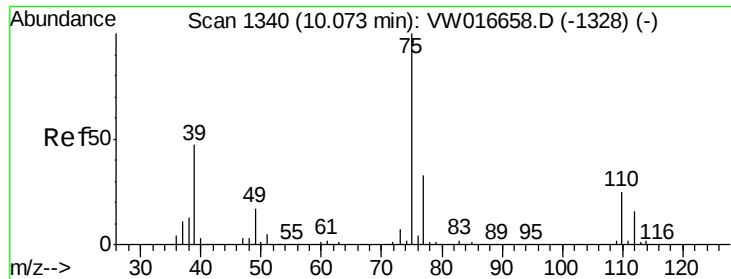
Tot Ion: 63 Resp: 194661
 Ion Ratio Lower Upper
 63 100
 112 5.6 4.5 6.7



#41
 Bromodichloromethane
 Concen: 26.918 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW016680.D
 Acq: 29 Sep 2020 09:43

Tgt Ion: 83 Resp: 291150
 Ion Ratio Lower Upper
 83 100
 85 65.4 46.8 86.8
 127 8.9 6.8 10.2





#42

cis-1,3-Dichloropropene

Concen: 26.614 ug/L

RT: 10.08 min Scan# 1341

Delta R.T. 0.01 min

Lab File: VW016680.D

Acq: 29 Sep 2020 09:43

Instrument :

MSVOA_W

ClientSampleId :

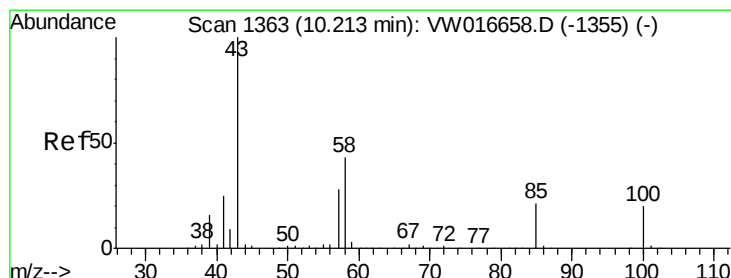
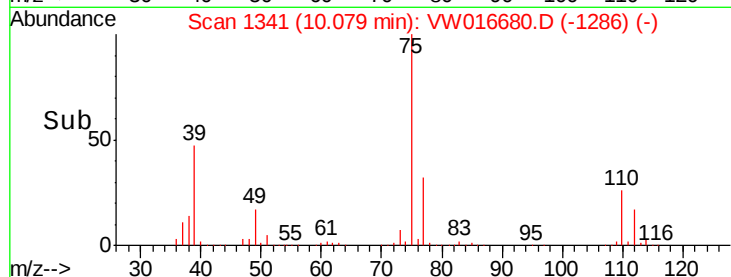
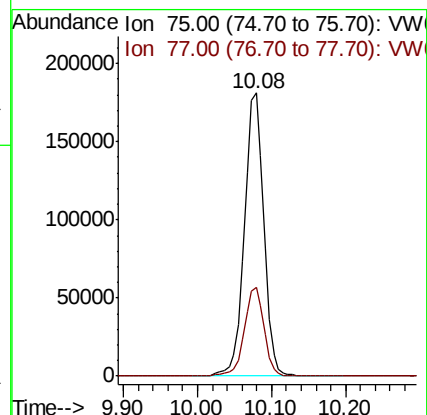
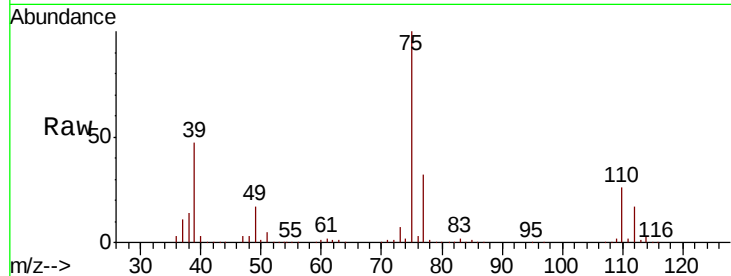
VSTD02511

Tot Ion: 75 Resp: 331794

Ion Ratio Lower Upper

75 100

77 31.6 22.2 41.2



#43

4-Methyl-2-pentanone

Concen: 42.441 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW016680.D

Acq: 29 Sep 2020 09:43

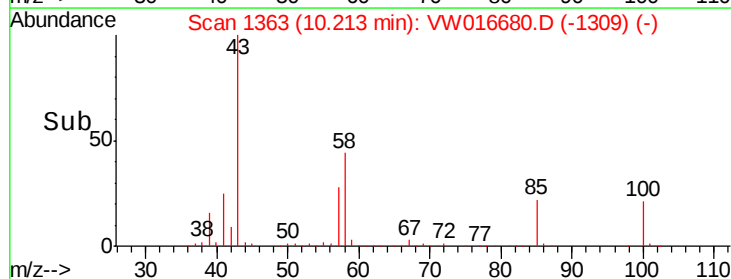
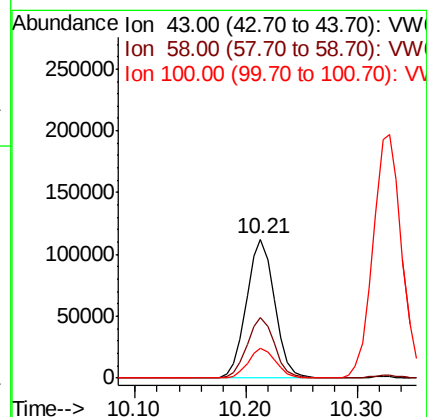
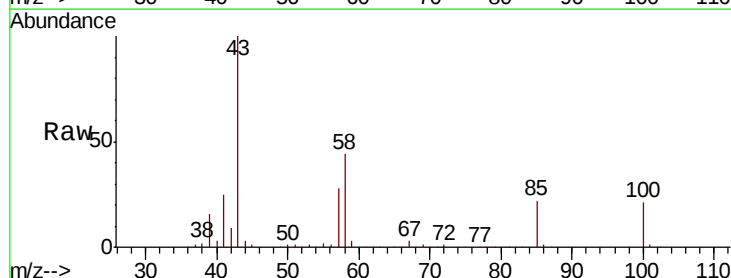
Tgt Ion: 43 Resp: 196810

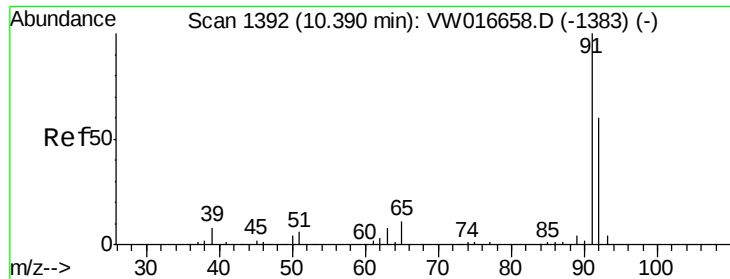
Ion Ratio Lower Upper

43 100

58 42.7 32.2 48.4

100 21.0 15.8 23.6





#44

Toluene

Concen: 27.860 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW016680.D

Acq: 29 Sep 2020 09:43

Instrument :

MSVOA_W

ClientSampleId :

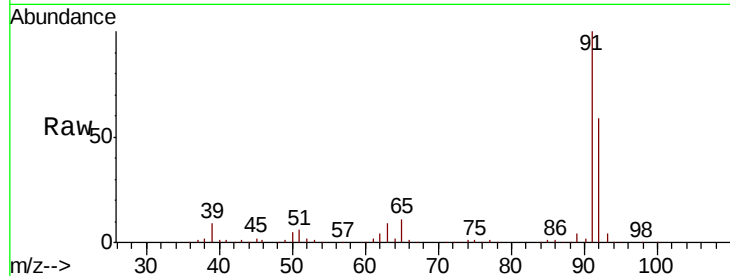
VSTD02511

Tot Ion: 91 Resp: 983121

Ion Ratio Lower Upper

91 100

92 59.4 39.6 73.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.39

600000

500000

400000

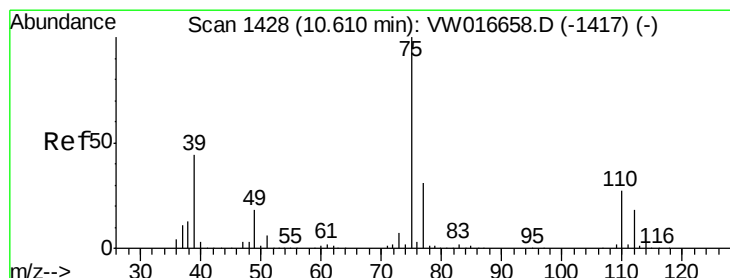
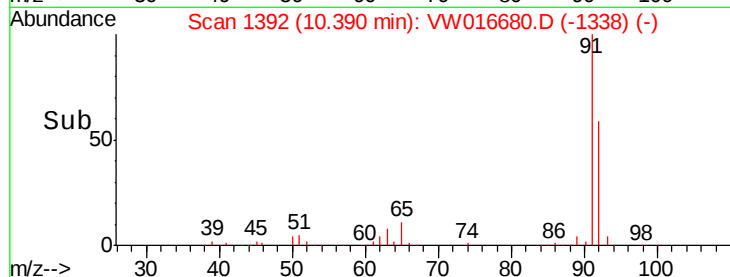
300000

200000

100000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 25.785 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW016680.D

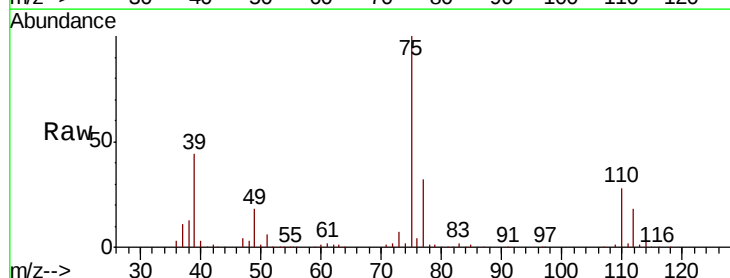
Acq: 29 Sep 2020 09:43

Tgt Ion: 75 Resp: 279694

Ion Ratio Lower Upper

75 100

77 31.8 22.5 41.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.61

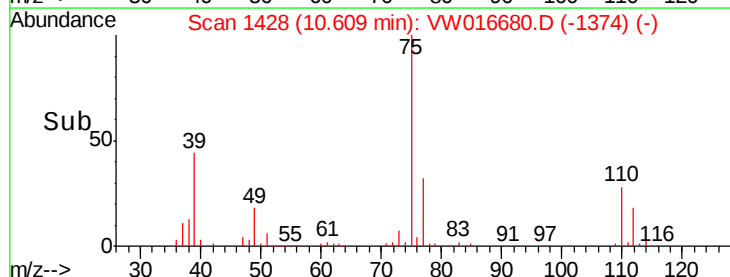
150000

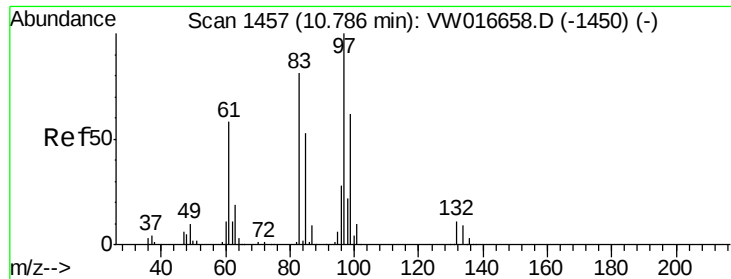
100000

50000

0

Time-->

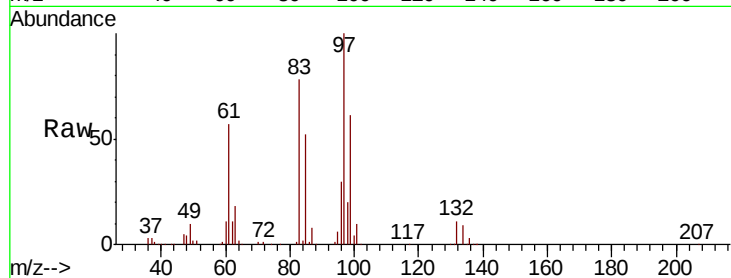




#46
 1,1,2-Trichloroethane
 Concen: 25.661 ug/L
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.01 min
 Lab File: VW016680.D
 Acq: 29 Sep 2020 09:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

Tot Ion:	97	Resp:	157787
Ion	Ratio	Lower	Upper
97	100		
83	77.8	55.7	103.5
85	51.8	36.8	68.4
99	60.6	43.7	81.1



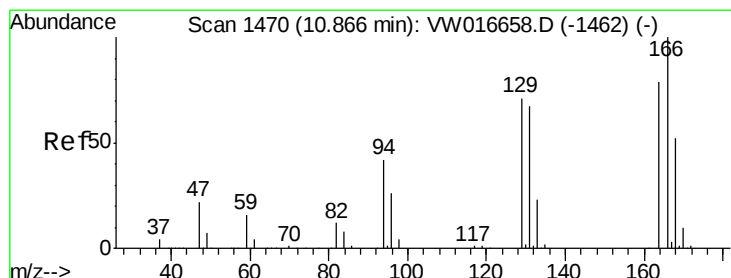
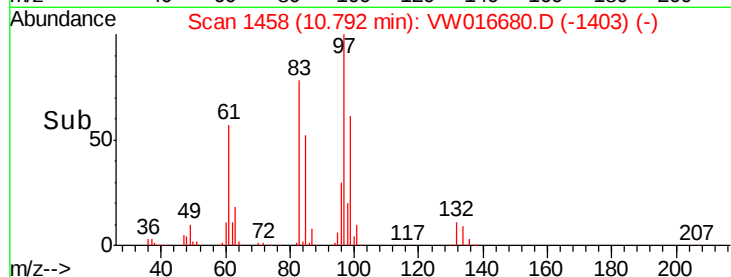
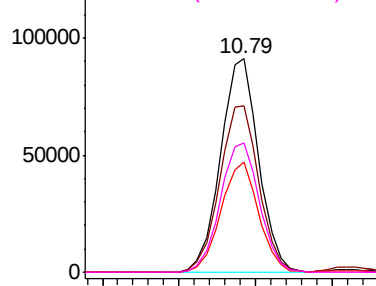
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

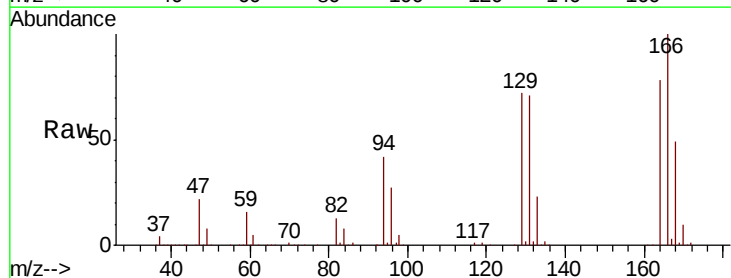
Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47
 Tetrachloroethene
 Concen: 28.289 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. -0.00 min
 Lab File: VW016680.D
 Acq: 29 Sep 2020 09:43

Tgt Ion:	164	Resp:	231927
Ion	Ratio	Lower	Upper
164	100		
129	92.0	55.6	103.2
131	91.0	57.2	106.2
166	128.6	86.5	160.6



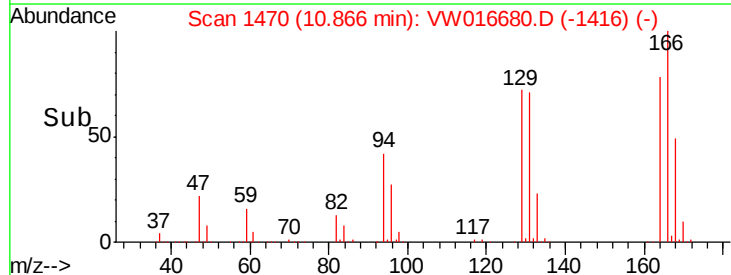
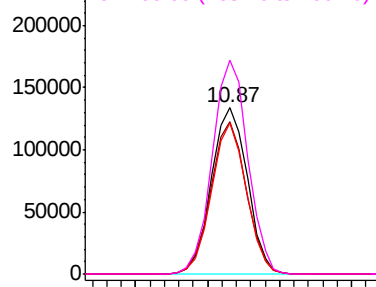
Abundance

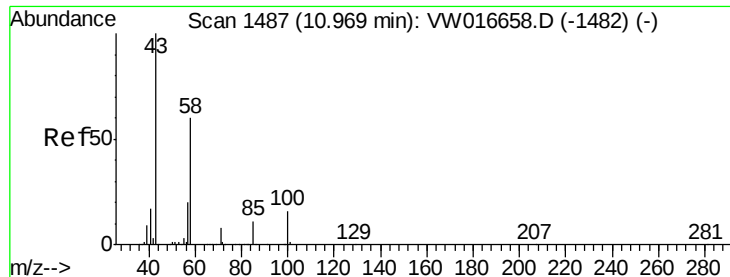
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#49

2-Hexanone

Concen: 45.565 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW016680.D

Acq: 29 Sep 2020 09:43

Instrument :

MSVOA_W

ClientSampleId :

VSTD02511

Tot Ion: 43 Resp: 134099

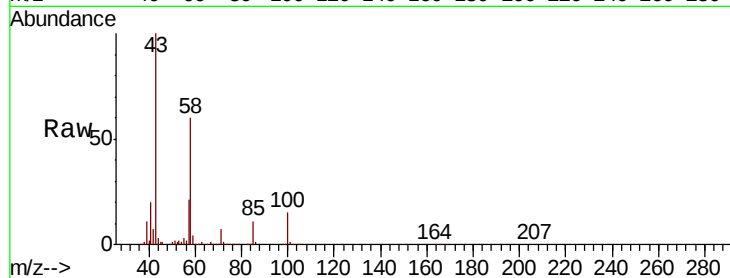
Ion Ratio Lower Upper

43 100

58 57.4 44.2 66.2

57 20.6 16.3 24.5

100 15.4 12.4 18.6

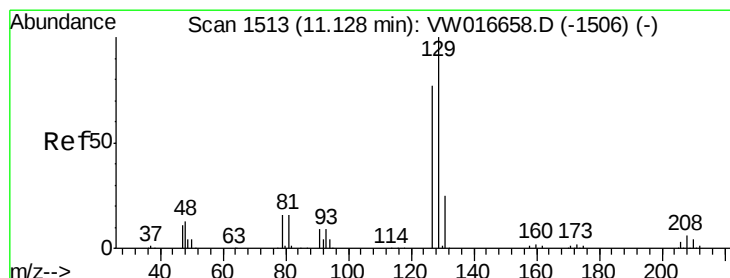
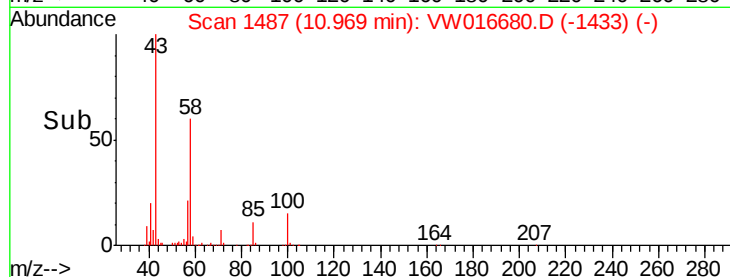
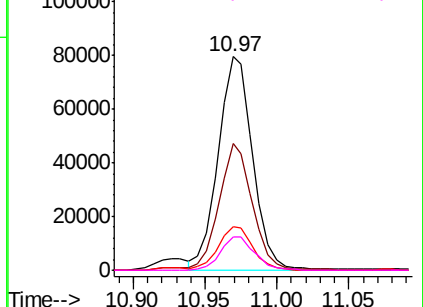


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 25.669 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW016680.D

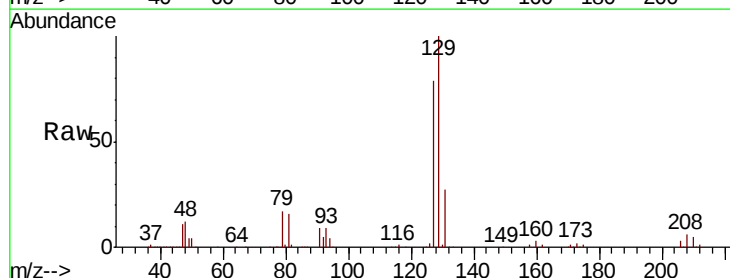
Acq: 29 Sep 2020 09:43

Tgt Ion: 129 Resp: 206068

Ion Ratio Lower Upper

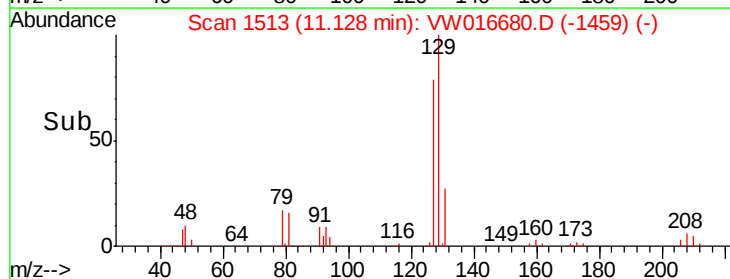
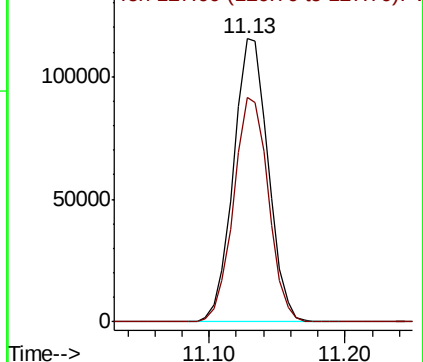
129 100

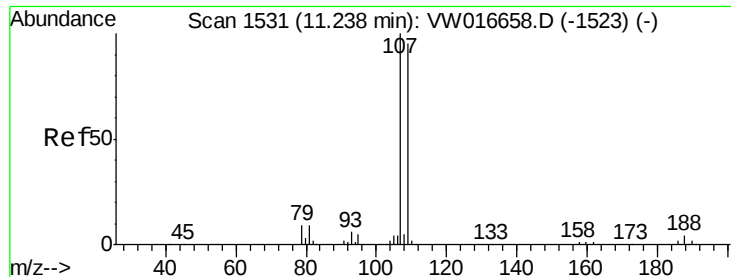
127 79.3 52.4 97.4



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

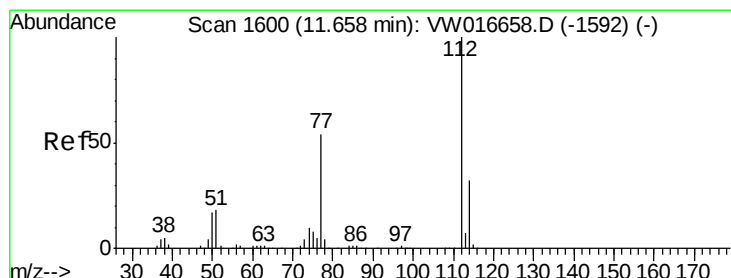
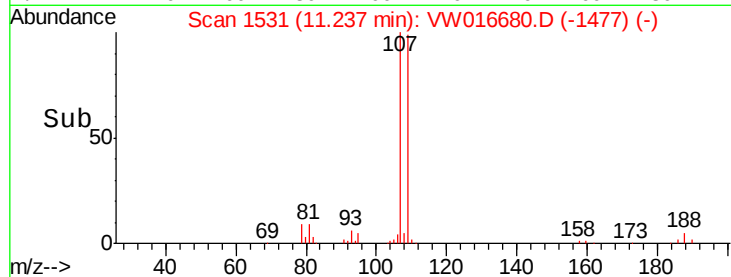
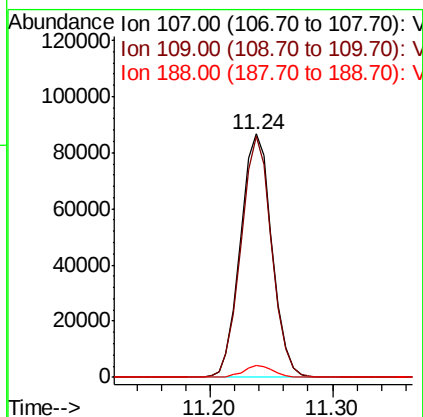
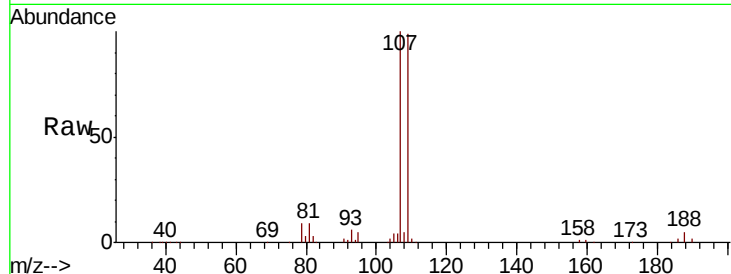




#51
 1,2-Dibromoethane
 Concen: 25.137 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW016680.D
 Acq: 29 Sep 2020 09:43

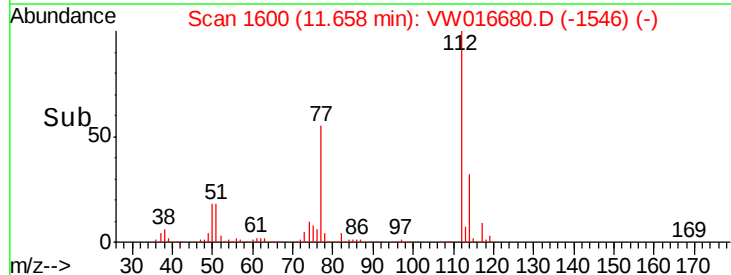
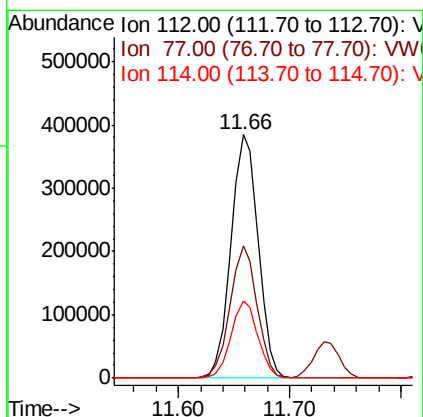
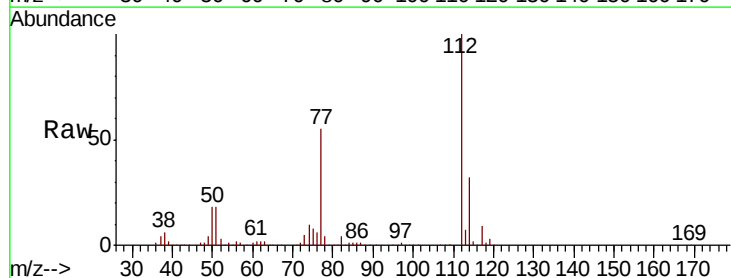
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

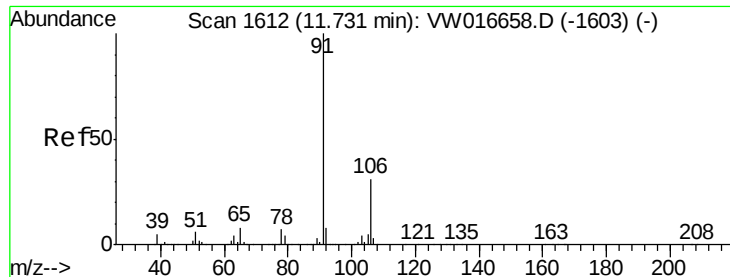
Tot Ion:107 Resp: 154752
 Ion Ratio Lower Upper
 107 100
 109 98.8 63.0 117.0
 188 4.7 3.1 4.7#



#52
 Chlorobenzene
 Concen: 27.446 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW016680.D
 Acq: 29 Sep 2020 09:43

Tgt Ion:112 Resp: 650545
 Ion Ratio Lower Upper
 112 100
 77 54.5 43.1 64.7
 114 31.8 22.3 41.3

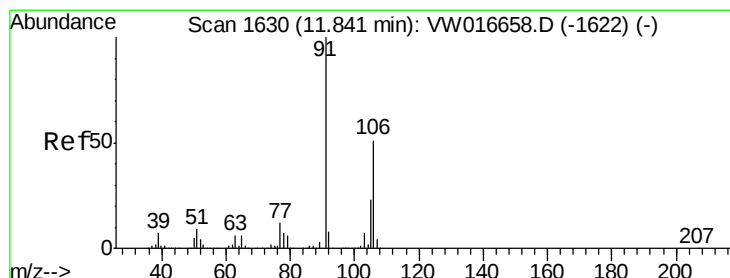
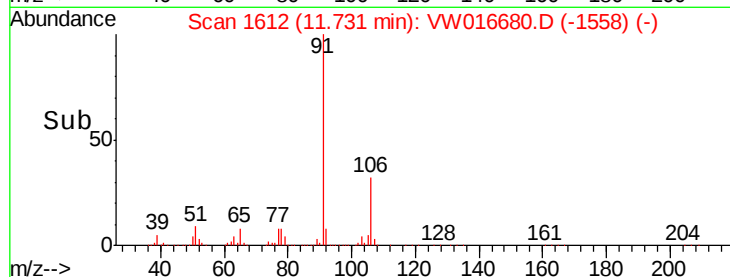
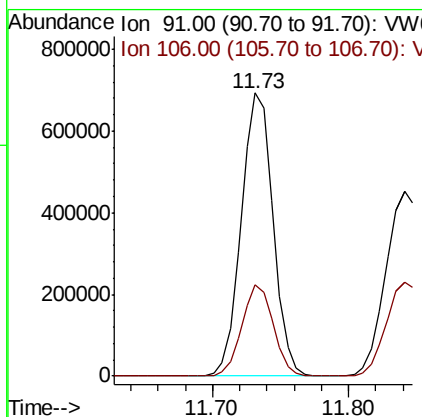
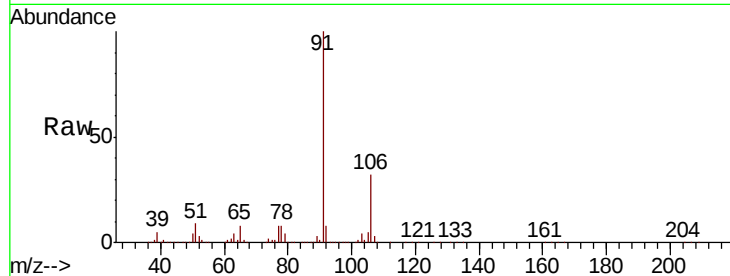




#53
Ethylbenzene
Concen: 28.230 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW016680.D
Acq: 29 Sep 2020 09:43

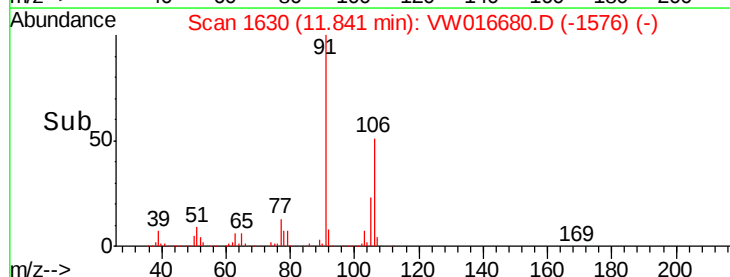
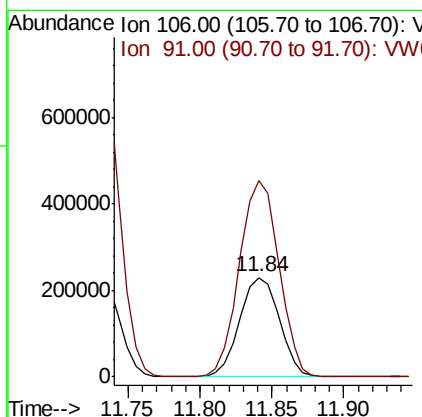
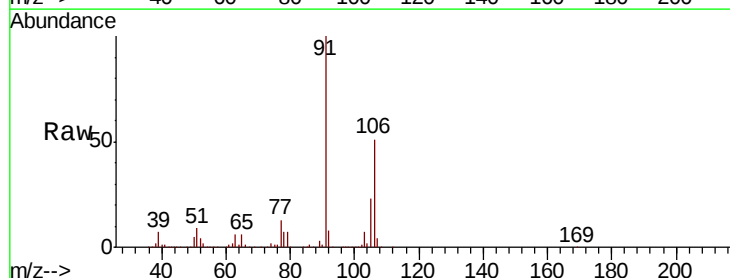
Instrument :
MSVOA_W
ClientSampleId :
VSTD02511

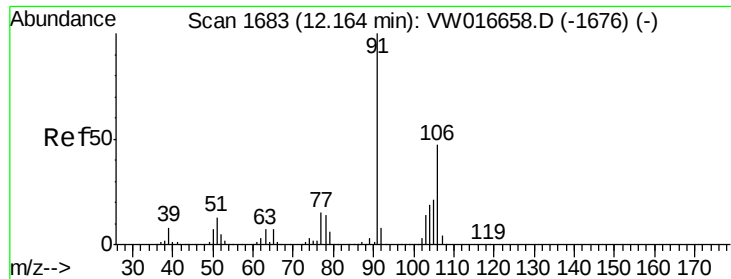
Tot Ion: 91 Resp: 1131006
Ion Ratio Lower Upper
91 100
106 32.1 20.7 38.5



#54
m,p-Xylene
Concen: 28.034 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW016680.D
Acq: 29 Sep 2020 09:43

Tgt Ion: 106 Resp: 439789
Ion Ratio Lower Upper
106 100
91 196.9 139.7 259.5

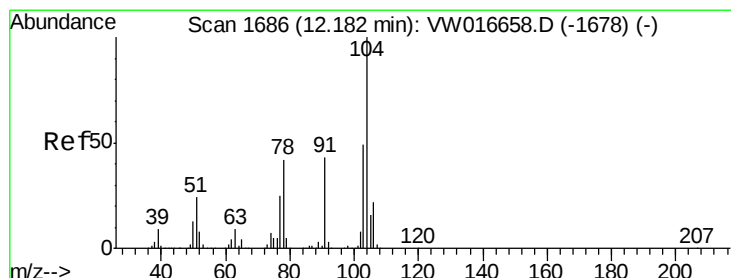
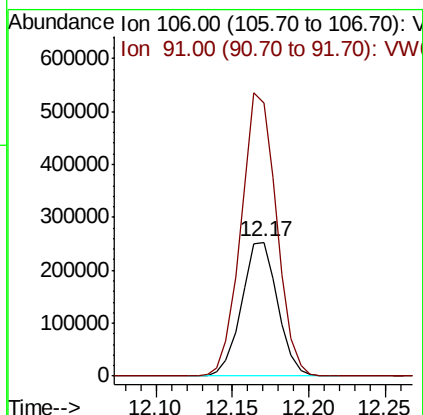
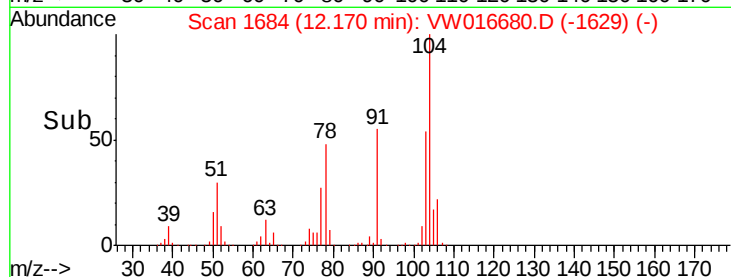
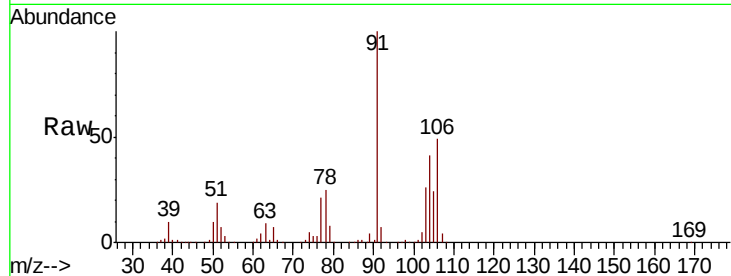




#55
o-xylene
Concen: 27.489 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW016680.D
Acq: 29 Sep 2020 09:43

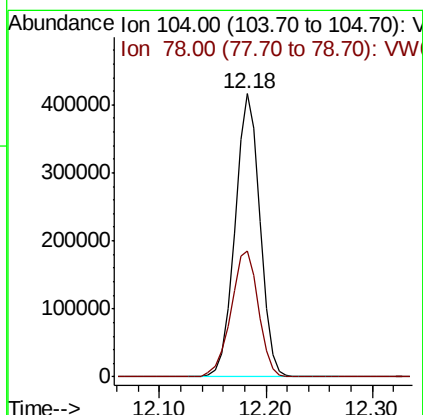
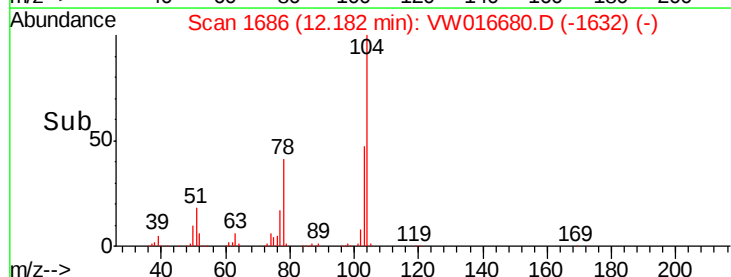
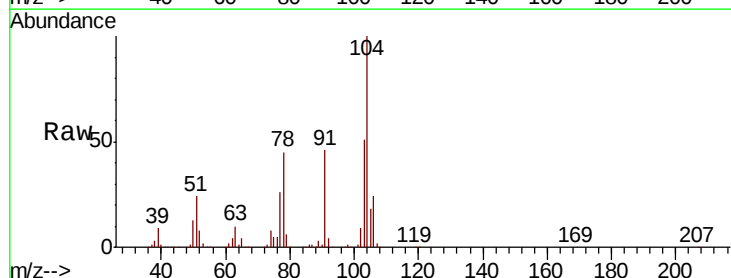
Instrument :
MSVOA_W
ClientSampled :
VSTD02511

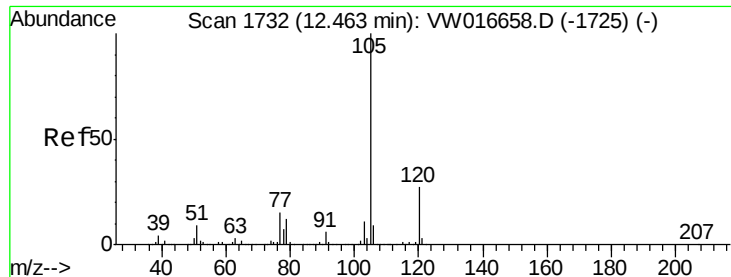
Tot Ion:106 Resp: 413133
Ion Ratio Lower Upper
106 100
91 204.2 144.8 268.8



#56
Styrene
Concen: 27.331 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW016680.D
Acq: 29 Sep 2020 09:43

Tgt Ion:104 Resp: 682093
Ion Ratio Lower Upper
104 100
78 44.5 31.4 58.2





#57

Isopropylbenzene

Concen: 28.142 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW016680.D

Acq: 29 Sep 2020 09:43

Instrument :

MSVOA_W

ClientSampleId :

VSTD02511

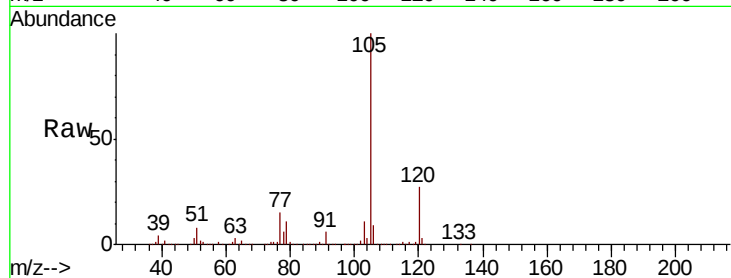
Tot Ion:105 Resp: 1155725

Ion Ratio Lower Upper

105 100

120 27.5 21.8 32.8

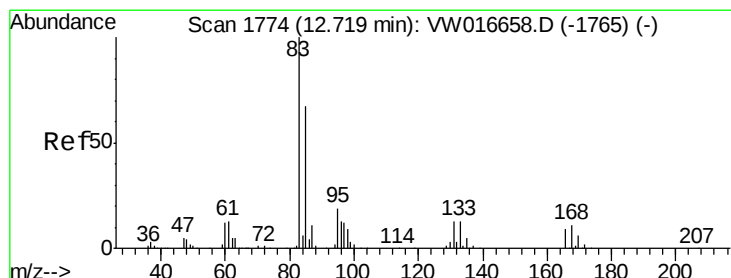
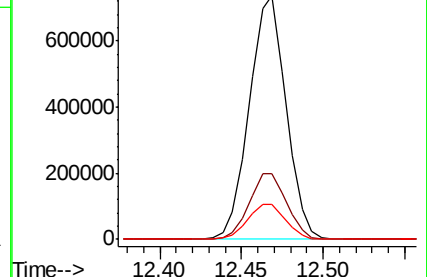
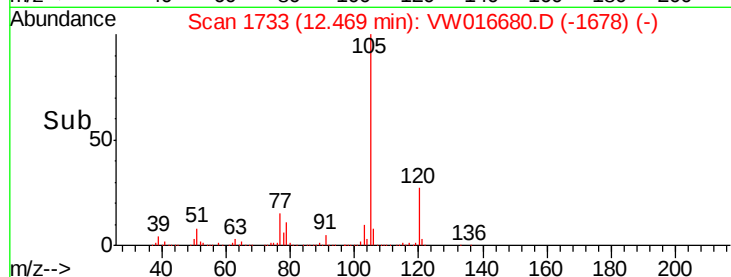
77 15.1 12.2 18.2



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: 24.038 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW016680.D

Acq: 29 Sep 2020 09:43

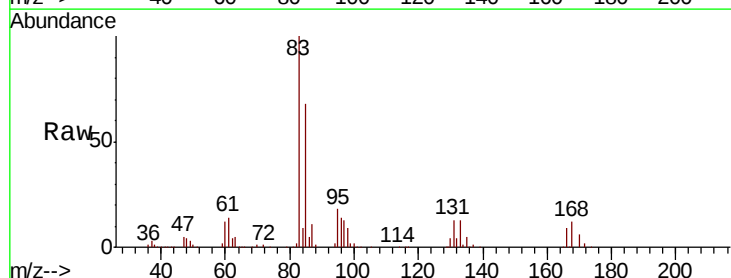
Tgt Ion: 83 Resp: 165287

Ion Ratio Lower Upper

83 100

85 68.3 46.0 85.4

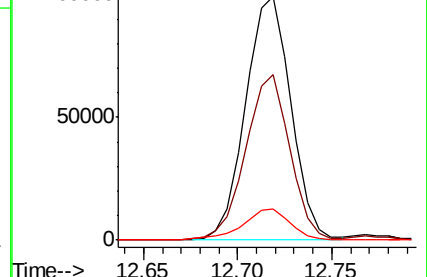
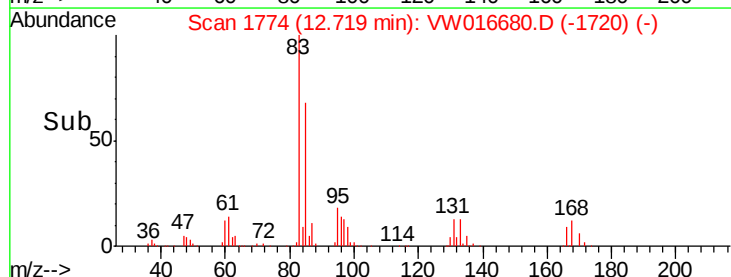
131 12.7 9.0 13.6

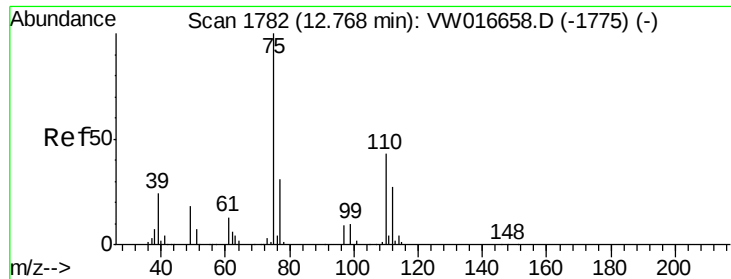


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 23.417 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW016680.D

Acq: 29 Sep 2020 09:43

Instrument :

MSVOA_W

ClientSampled :

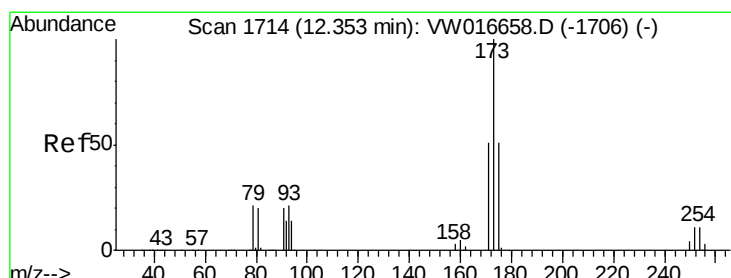
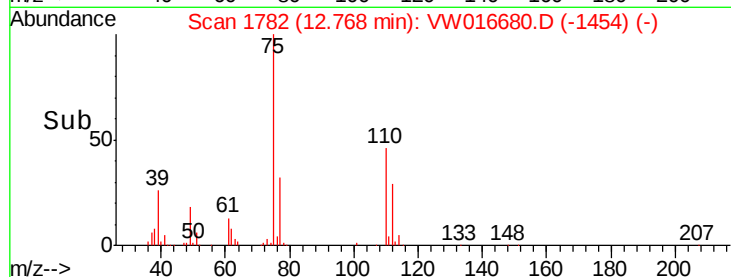
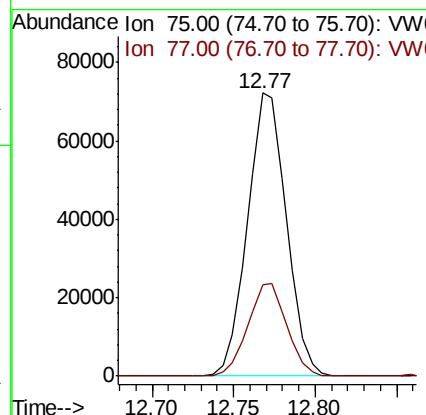
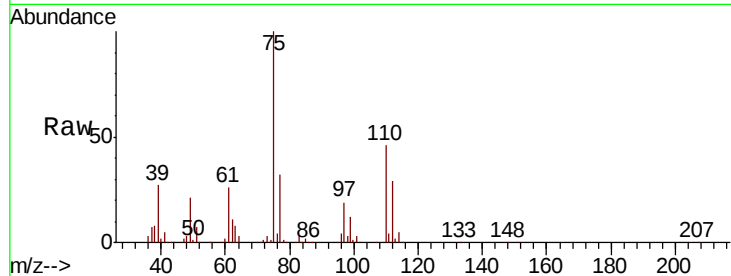
VSTD02511

Tot Ion: 75 Resp: 119928

Ion Ratio Lower Upper

75 100

77 32.7 26.2 39.4



#62

Bromoform

Concen: 24.467 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW016680.D

Acq: 29 Sep 2020 09:43

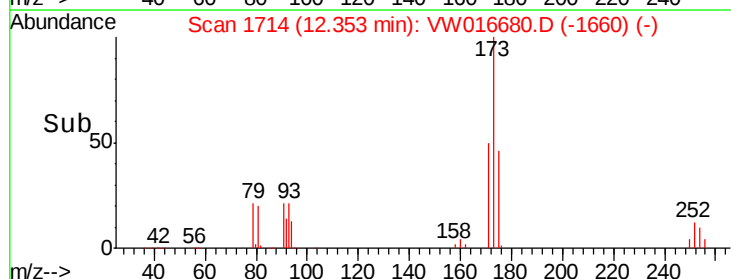
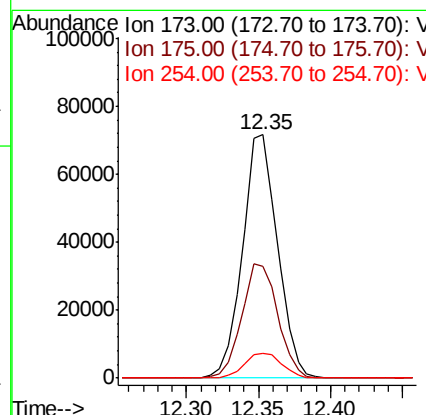
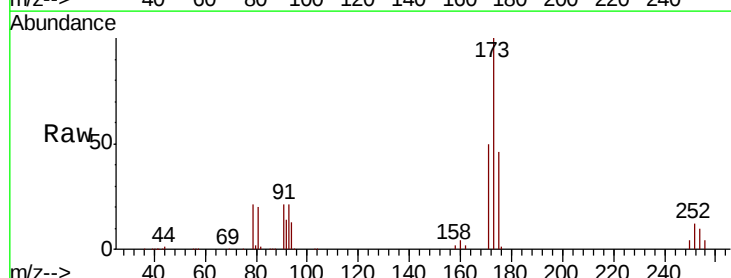
Tgt Ion: 173 Resp: 120498

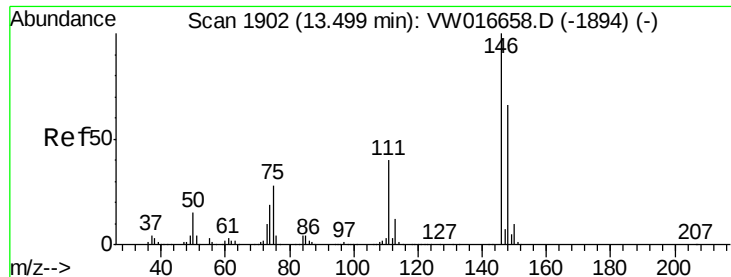
Ion Ratio Lower Upper

173 100

175 48.2 38.6 57.8

254 10.9 8.2 12.4





#63

1,3-Dichlorobenzene

Concen: 27.972 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW016680.D

Acq: 29 Sep 2020 09:43

Instrument :

MSVOA_W

ClientSampleId :

VSTD02511

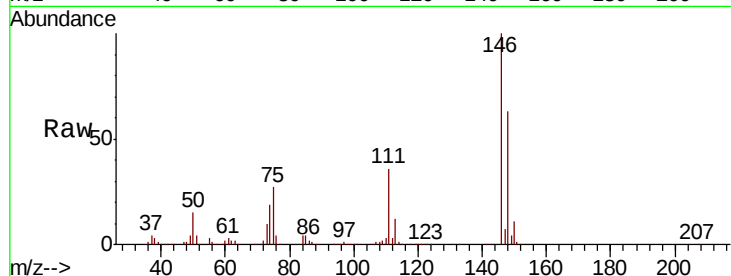
Tot Ion:146 Resp: 531238

Ion Ratio Lower Upper

146 100

111 36.4 25.0 46.4

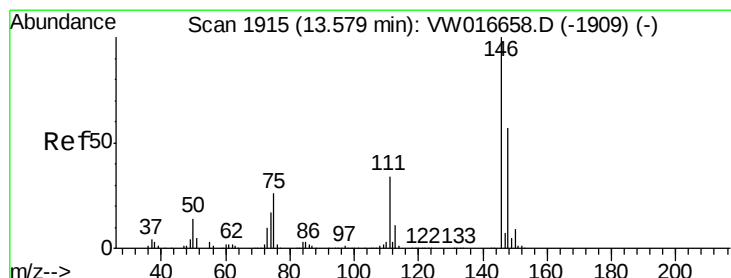
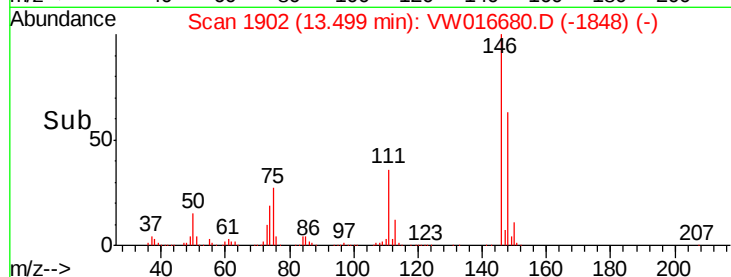
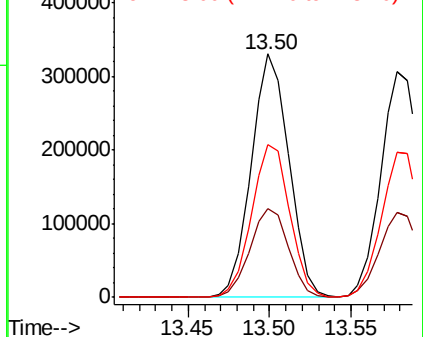
148 62.7 44.0 81.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#64

1,4-Dichlorobenzene

Concen: 27.714 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW016680.D

Acq: 29 Sep 2020 09:43

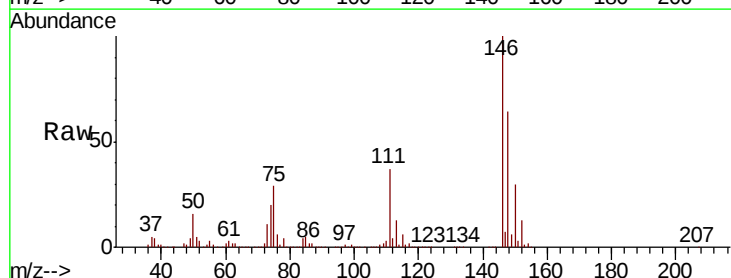
Tgt Ion:146 Resp: 515463

Ion Ratio Lower Upper

146 100

111 37.4 25.1 46.5

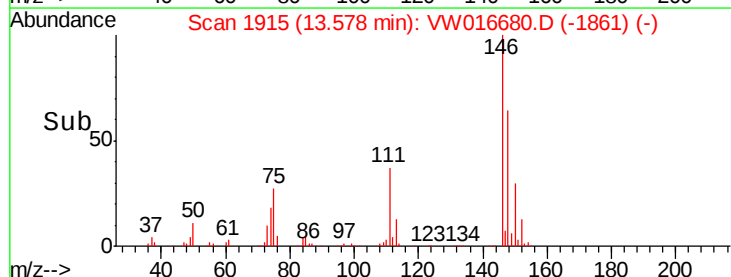
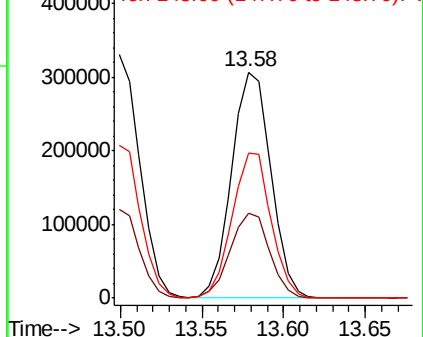
148 64.4 42.3 78.5

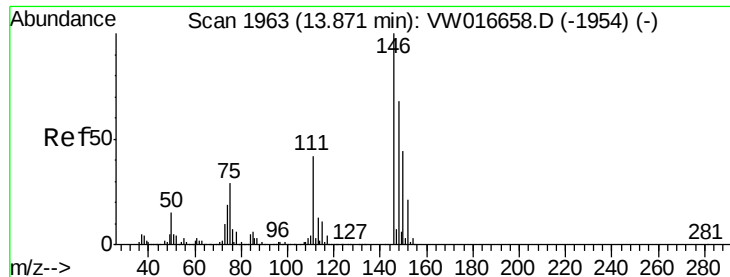


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 26.707 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW016680.D

Acq: 29 Sep 2020 09:43

Instrument :

MSVOA_W

ClientSampleId :

VSTD02511

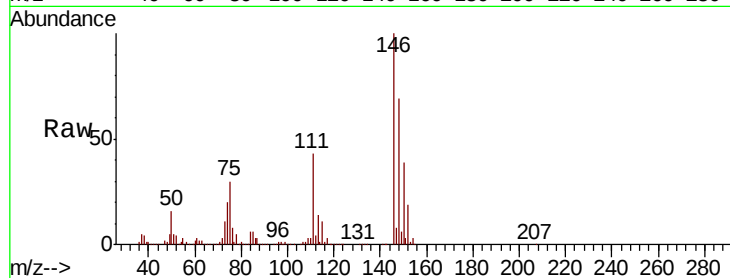
Tot Ion:146 Resp: 453215

Ion Ratio Lower Upper

146 100

111 42.7 31.4 47.0

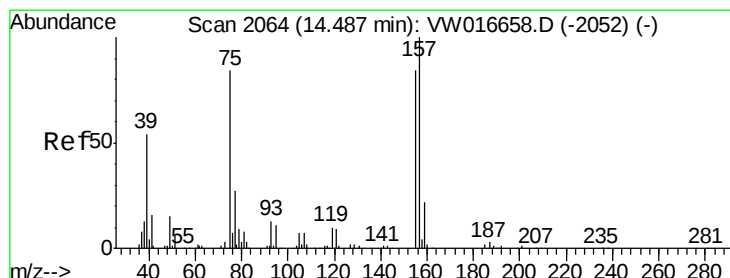
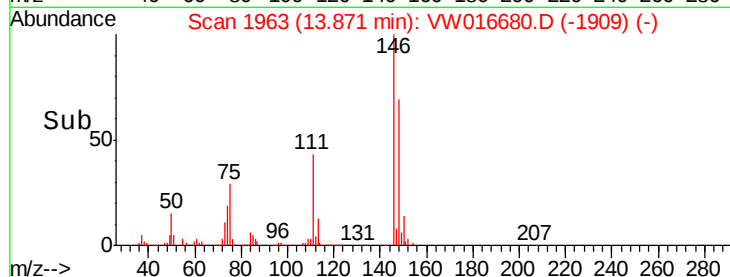
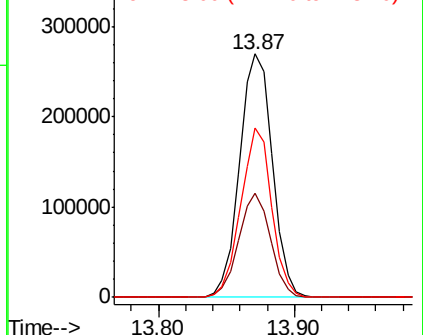
148 69.5 49.3 73.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 22.507 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW016680.D

Acq: 29 Sep 2020 09:43

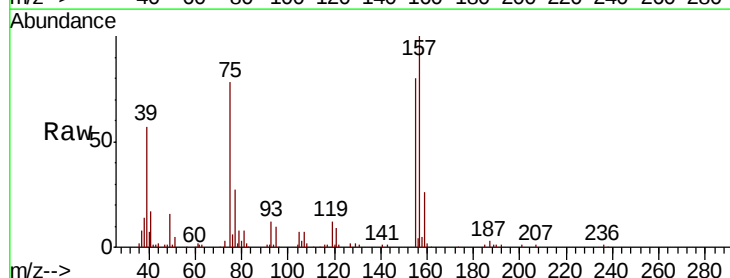
Tgt Ion: 75 Resp: 27378

Ion Ratio Lower Upper

75 100

157 128.1 92.2 138.4

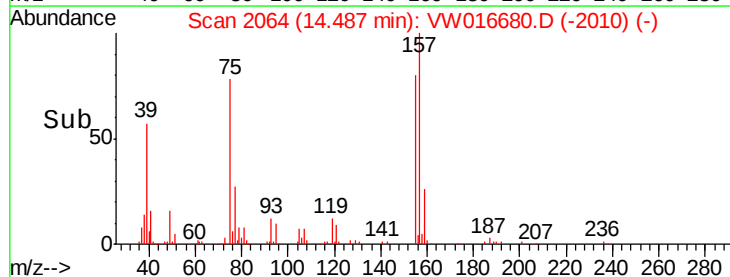
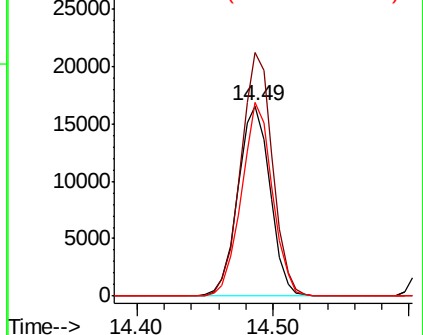
155 102.0 73.5 110.3

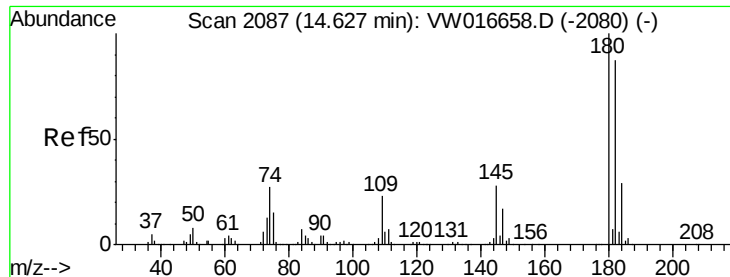


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

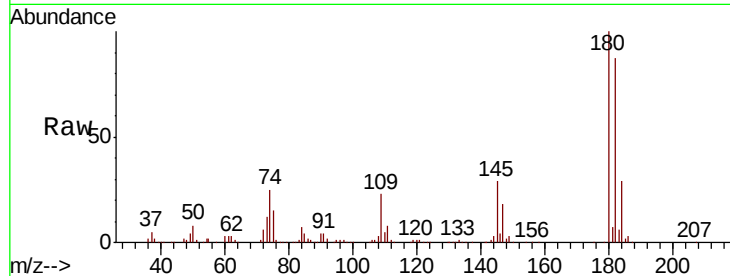




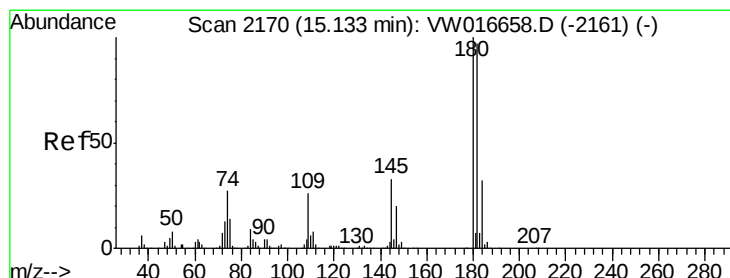
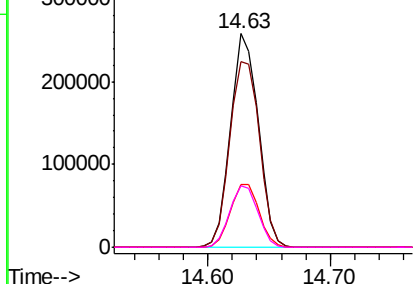
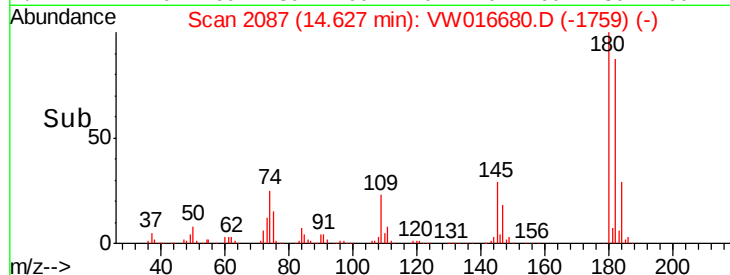
#67
 1,3,5-Trichlorobenzene
 Concen: 29.066 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW016680.D
 Acq: 29 Sep 2020 09:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

Tot Ion:180	Resp:	403721
Ion Ratio	Lower	Upper
180	100	
182	93.3	73.8 110.8
184	30.4	23.7 35.5
145	29.1	22.8 34.2

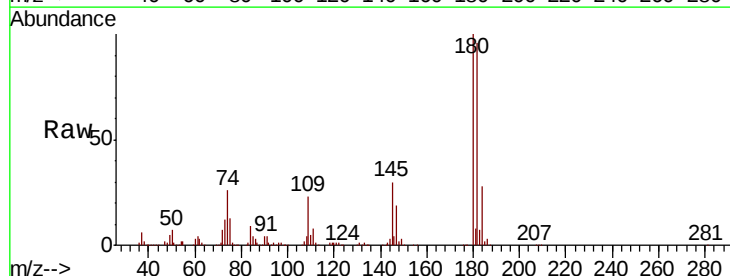


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

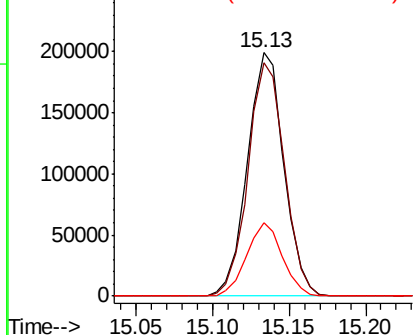
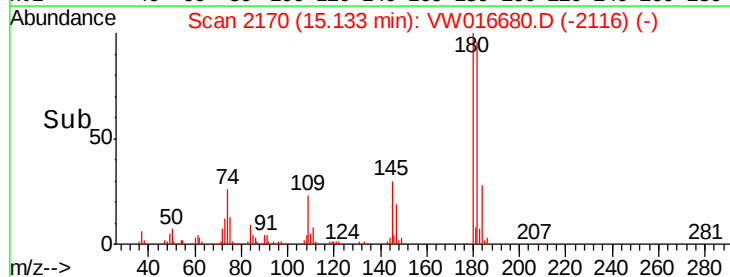


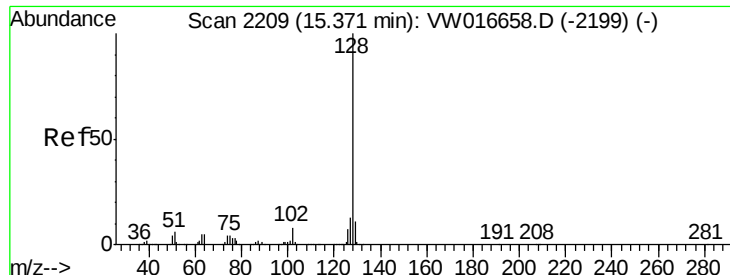
#68
 1,2,4-trichlorobenzene
 Concen: 29.361 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW016680.D
 Acq: 29 Sep 2020 09:43

Tgt Ion:180	Resp:	329907
Ion Ratio	Lower	Upper
180	100	
182	96.0	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: 26.655 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW016680.D

Acq: 29 Sep 2020 09:43

Instrument :

MSVOA_W

ClientSampleId :

VSTD02511

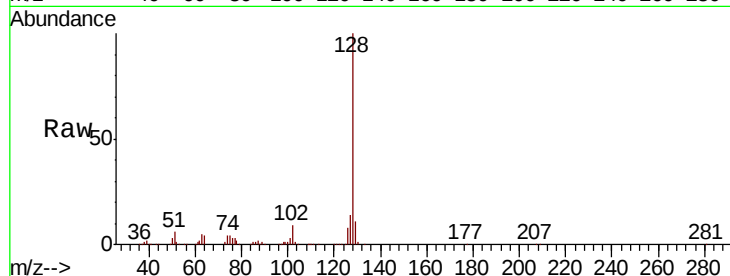
Tot Ion:128 Resp: 530923

Ion Ratio Lower Upper

128 100

129 10.8 8.9 13.3

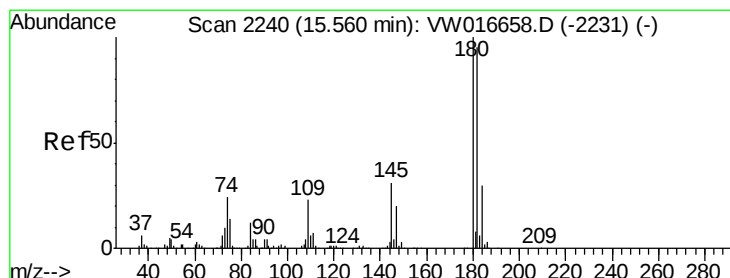
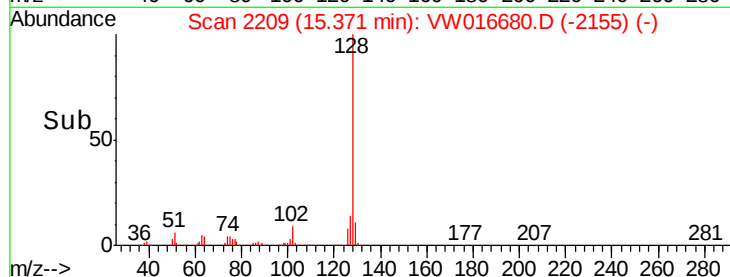
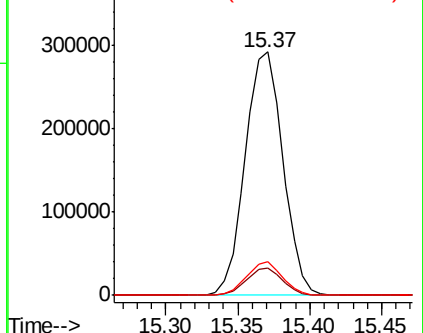
127 13.0 10.8 16.2



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: 28.393 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW016680.D

Acq: 29 Sep 2020 09:43

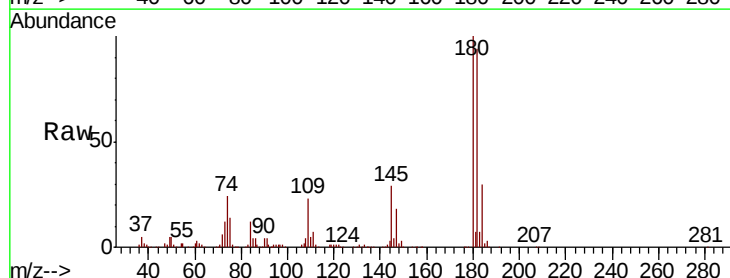
Tgt Ion:180 Resp: 274378

Ion Ratio Lower Upper

180 100

182 96.9 76.3 114.5

145 31.2 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

