

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV102220\
 Data File : VW016963.D
 Acq On : 22 Oct 2020 11:15
 Operator : SY/VA
 Sample : VSTD05006
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05006

Quant Time: Oct 22 12:06:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM102220S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 22 11:56:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	516370	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	470814	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	240764	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	277920	54.16	ug/L	0.00
7) Chloroethane-d5	2.90	69	219775	51.44	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.03	63	569127	52.60	ug/L	0.00
20) 2-Butanone-d5	7.09	46	114774	101.32	ug/L	0.00
24) Chloroform-d	7.65	84	565573	51.76	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	270781	51.72	ug/L	0.00
29) Benzene-d6	8.28	84	1145861	53.40	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	316948	54.74	ug/L	0.00
37) Toluene-d8	10.33	98	1099836	54.25	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	146661	58.04	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	102623	117.43	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	250015	54.39	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	414195	54.11	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	325382	53.329 ug/L	99
3) Chloromethane	2.22	50	265869	49.814 ug/L	99
5) Vinyl chloride	2.37	62	392196	55.096 ug/L	97
6) Bromomethane	2.79	94	264479	51.046 ug/L	99
8) Chloroethane	2.93	64	227516	52.272 ug/L	100
9) Trichlorofluoromethane	3.26	101	322805	58.215 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	372293	53.244 ug/L	99
12) 1,1-Dichloroethene	4.05	96	359140	53.688 ug/L	93
13) Acetone	4.15	43	79657	93.091 ug/L	100
14) Carbon disulfide	4.39	76	1065379	55.091 ug/L	99
15) Methyl Acetate	4.68	43	108804	53.011 ug/L	99
16) Methylene chloride	4.92	84	335773	47.031 ug/L	99
17) Methyl tert-butyl Ether	5.43	73	398798	53.519 ug/L	99
18) trans-1,2-Dichloroethene	5.43	96	369975	52.734 ug/L	99
19) 1,1-Dichloroethane	6.22	63	567863	52.612 ug/L	99
21) 2-Butanone	7.18	43	135136	93.444 ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	380396	53.152 ug/L	99
23) Bromochloromethane	7.52	128	178159	53.253 ug/L	98
25) Chloroform	7.68	83	602089	51.739 ug/L	100
27) 1,2-Dichloroethane	8.40	62	351321	51.265 ug/L	100
30) Cyclohexane	7.96	56	534332	54.551 ug/L	99
31) 1,1,1-Trichloroethane	7.88	97	532100	52.768 ug/L	100
32) Carbon tetrachloride	8.07	117	516301	53.019 ug/L	98
34) Benzene	8.33	78	1353439	53.377 ug/L	100
35) Trichloroethene	9.10	95	379575	53.119 ug/L	99
36) Methylcyclohexane	9.34	83	644918	53.387 ug/L	99
40) 1,2-Dichloropropane	9.37	63	304991	53.150 ug/L	99
41) Bromodichloromethane	9.65	83	423761	52.860 ug/L	99
42) cis-1,3-Dichloropropene	10.08	75	511180	56.147 ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	305852	108.018 ug/L	98

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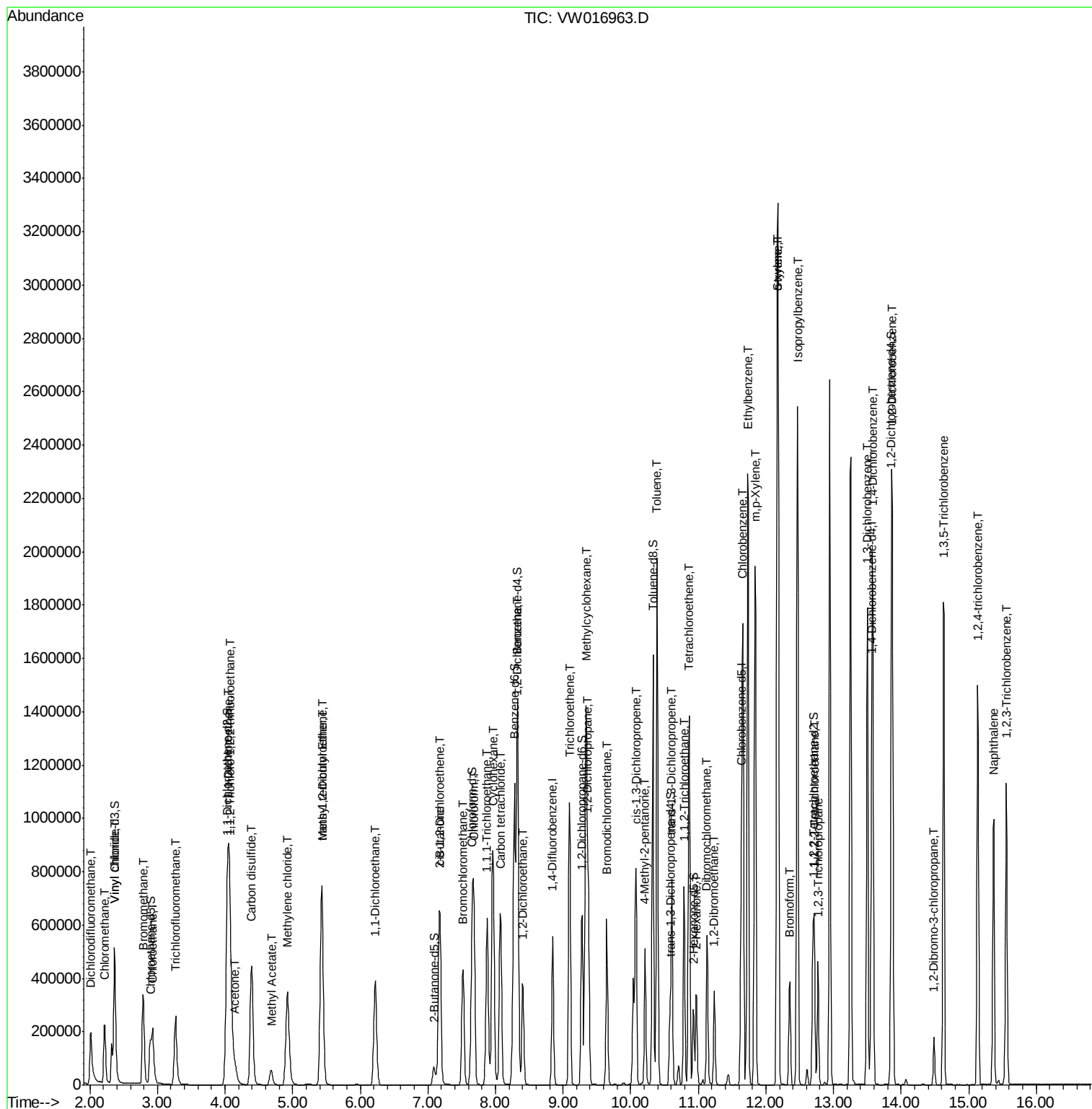
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	1475070	52.422	ug/L	97
45) trans-1,3-Dichloropropene	10.61	75	432559	56.655	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	247109	53.290	ug/L	98
47) Tetrachloroethene	10.87	164	344204	51.905	ug/L	89
49) 2-Hexanone	10.97	43	204134	109.842	ug/L	99
50) Dibromochloromethane	11.13	129	314896	54.917	ug/L	98
51) 1,2-Dibromoethane	11.24	107	242040	53.613	ug/L	99
52) Chlorobenzene	11.66	112	979957	52.108	ug/L	97
53) Ethylbenzene	11.73	91	1688141	53.389	ug/L	99
54) m,p-Xylene	11.84	106	669930	54.510	ug/L	98
55) o-xylene	12.17	106	628999	54.129	ug/L	94
56) Styrene	12.18	104	1082567	55.946	ug/L	99
57) Isopropylbenzene	12.47	105	1728113	53.910	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	273676	53.942	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	195168	53.122	ug/L	99
62) Bromoform	12.35	173	188685	55.737	ug/L	100
63) 1,3-Dichlorobenzene	13.51	146	806826	52.505	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	791188	51.356	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	724160	52.684	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	42897	52.679	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	596221	52.229	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	508310	54.709	ug/L	97
69) Naphthalene	15.37	128	894365	58.894	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	430432	54.100	ug/L	99

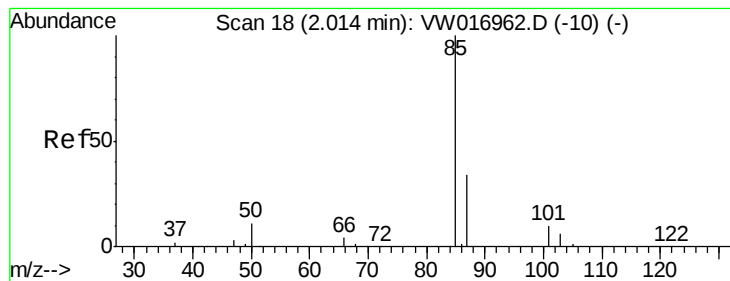
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102220\
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#2

Dichlorodifluoromethane

Concen: 53.329 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW016963.D

Acq: 22 Oct 2020 11:15

Instrument :

MSVOA_W

ClientSampleId :

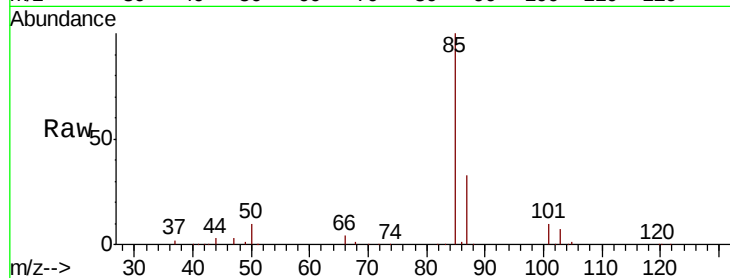
VSTD05006

Tot Ion: 85 Resp: 325382

Ion Ratio Lower Upper

85 100

87 31.5 22.4 41.6



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW

2.01

120000

100000

80000

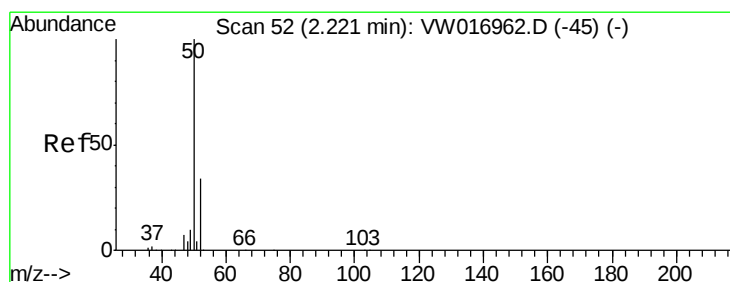
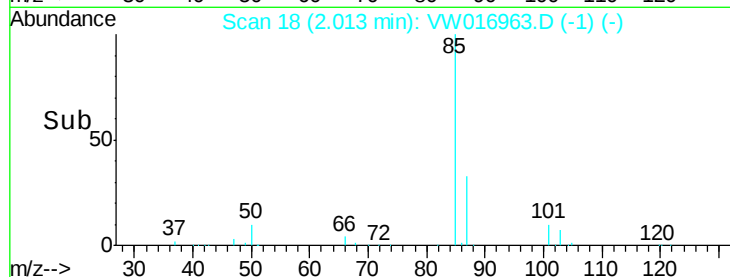
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 49.814 ug/L

RT: 2.22 min Scan# 52

Delta R.T. -0.00 min

Lab File: VW016963.D

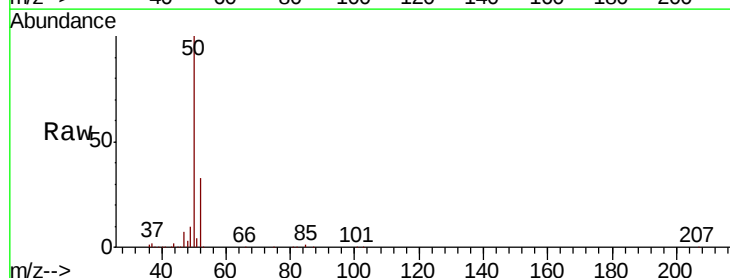
Acq: 22 Oct 2020 11:15

Tgt Ion: 50 Resp: 265869

Ion Ratio Lower Upper

50 100

52 33.3 23.5 43.7



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW

2.22

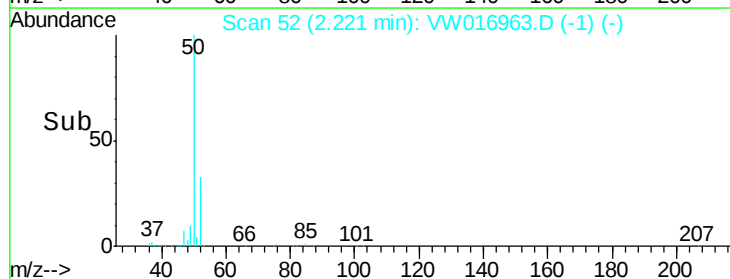
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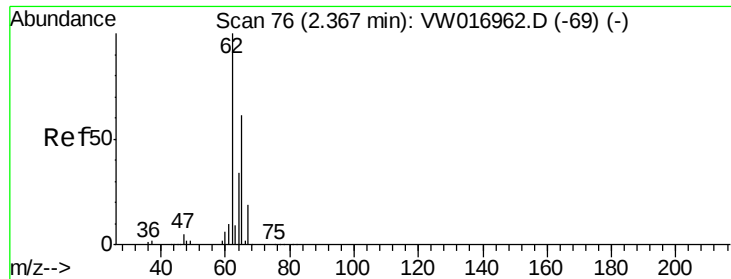
100000

50000

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Time-->





#5

Vinyl chloride

Concen: 55.096 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW016963.D

Acq: 22 Oct 2020 11:15

Instrument :

MSVOA_W

ClientSampleId :

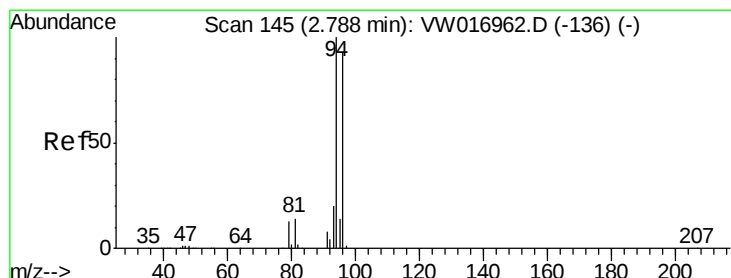
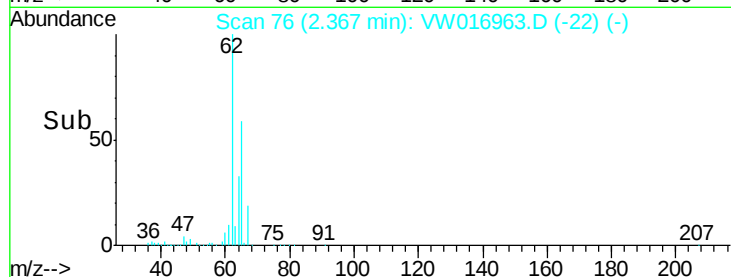
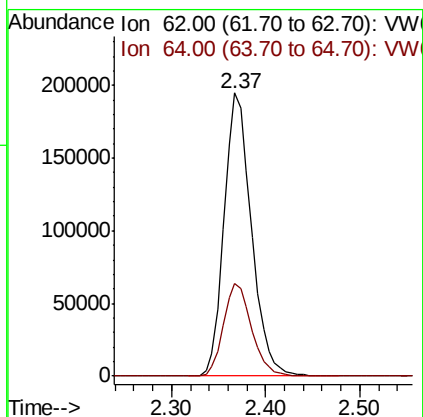
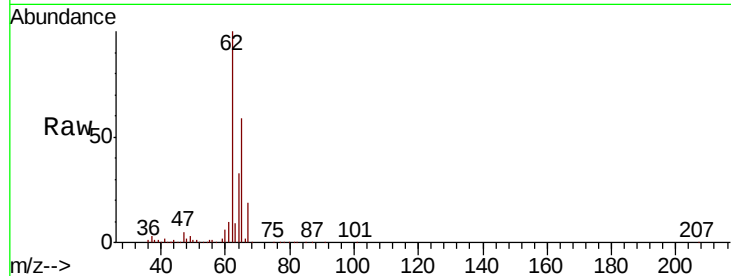
VSTD05006

Tot Ion: 62 Resp: 392196

Ion Ratio Lower Upper

62 100

64 32.6 24.1 44.7



#6

Bromomethane

Concen: 51.046 ug/L

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW016963.D

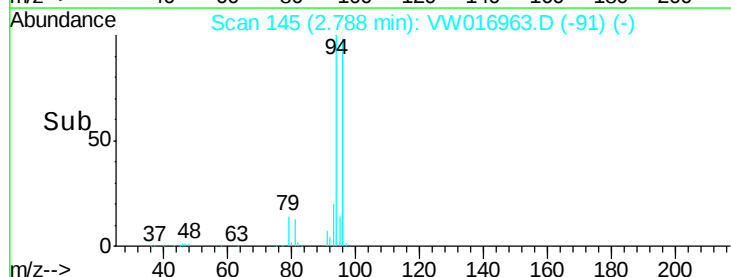
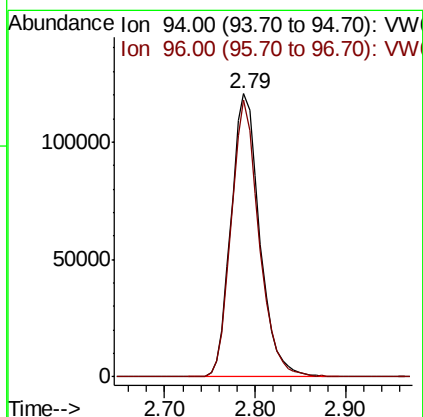
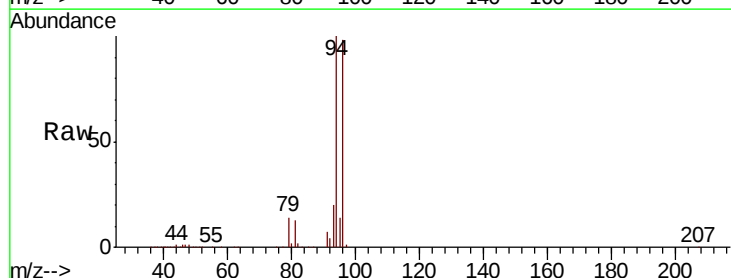
Acq: 22 Oct 2020 11:15

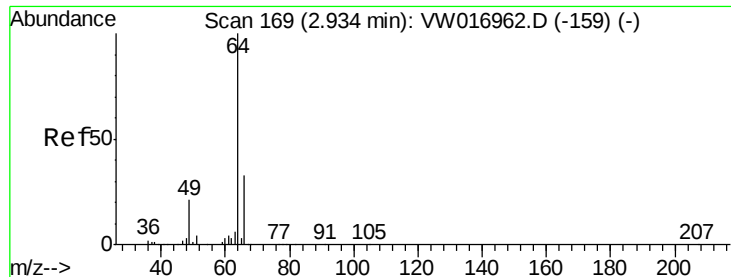
Tgt Ion: 94 Resp: 264479

Ion Ratio Lower Upper

94 100

96 94.8 9.4 178.8





#8

Chloroethane

Concen: 52.272 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW016963.D

Acq: 22 Oct 2020 11:15

Instrument :

MSVOA_W

ClientSampleId :

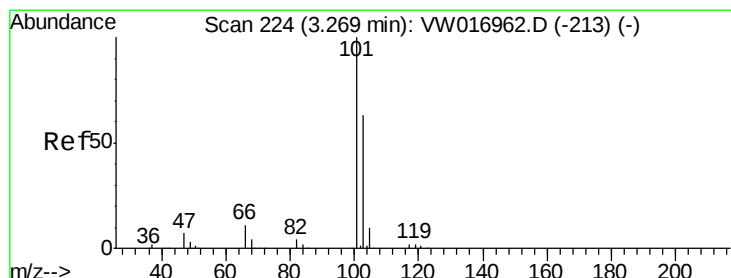
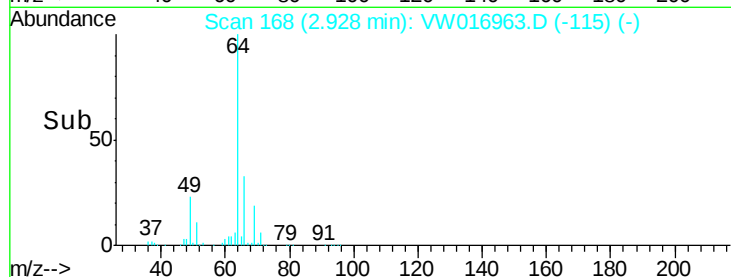
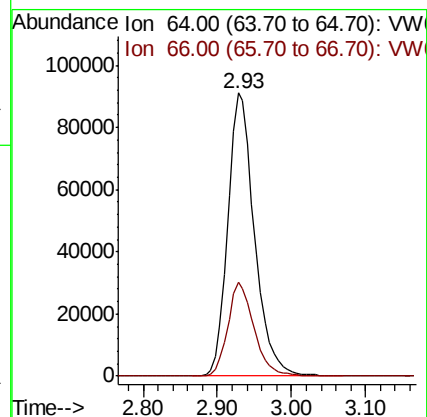
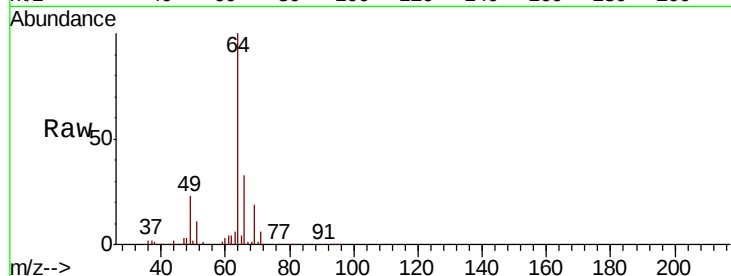
VSTD05006

Tot Ion: 64 Resp: 227516

Ion Ratio Lower Upper

64 100

66 33.4 23.4 43.6



#9

Trichlorofluoromethane

Concen: 58.215 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.01 min

Lab File: VW016963.D

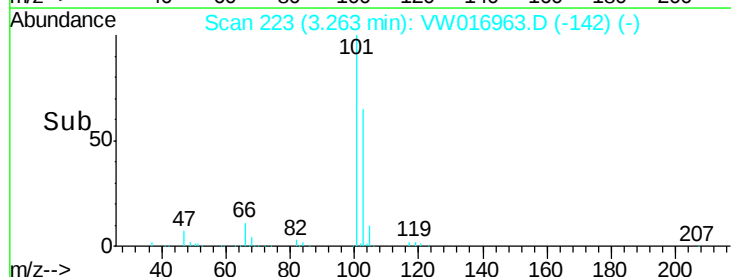
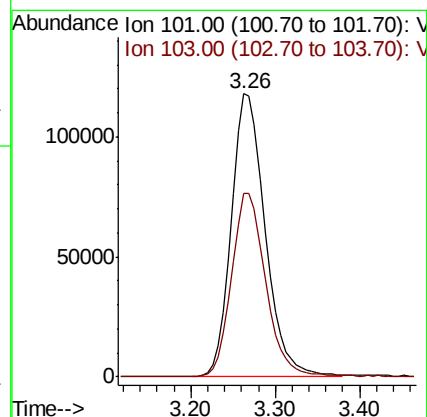
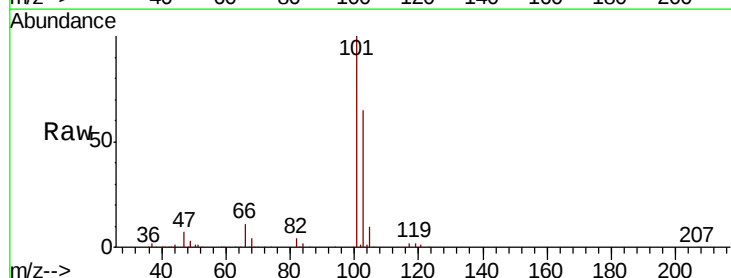
Acq: 22 Oct 2020 11:15

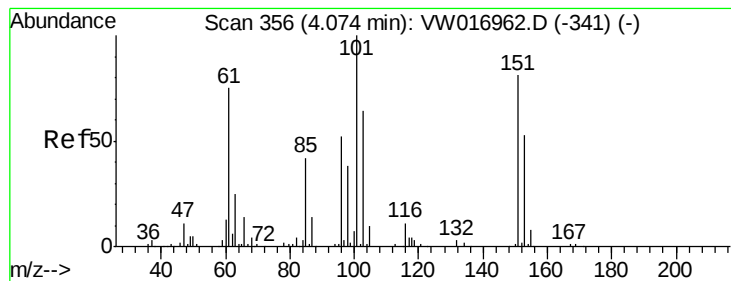
Tgt Ion: 101 Resp: 322805

Ion Ratio Lower Upper

101 100

103 64.7 44.9 83.5





#11

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

Concen: 53.244 ug/L

RT: 4.07 min Scan# 356

Delta R.T. -0.00 min

Lab File: VW016963.D

Acq: 22 Oct 2020 11:15

Instrument :

MSVOA_W

ClientSampleId :

VSTD05006

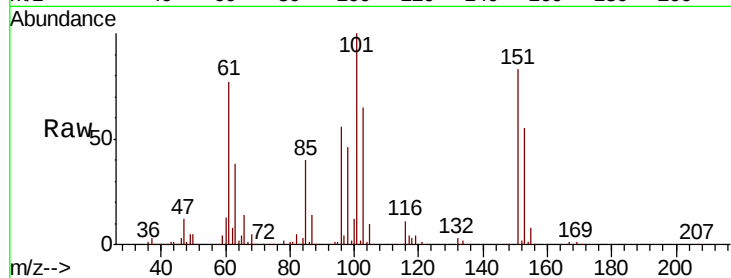
Tot Ion:101 Resp: 372293

Ion Ratio Lower Upper

101 100

85 40.5 32.5 48.7

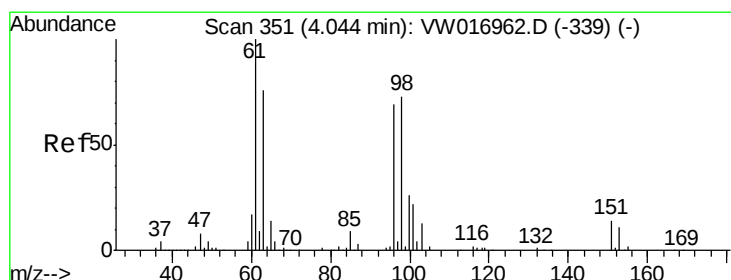
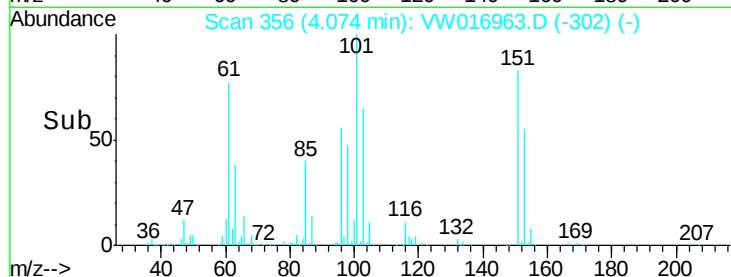
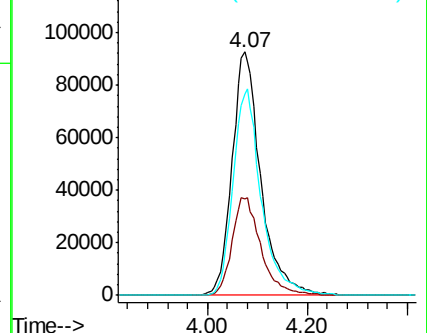
151 83.0 65.7 98.5



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: 53.688 ug/L

RT: 4.05 min Scan# 352

Delta R.T. 0.01 min

Lab File: VW016963.D

Acq: 22 Oct 2020 11:15

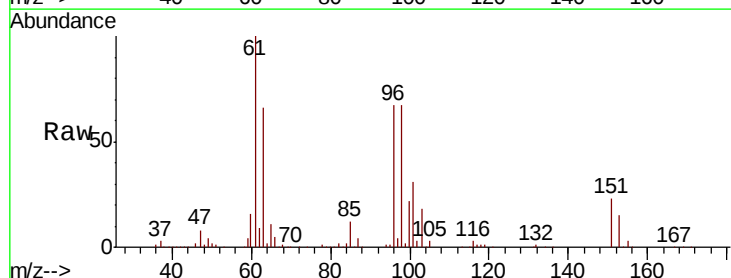
Tgt Ion: 96 Resp: 359140

Ion Ratio Lower Upper

96 100

61 148.2 101.4 188.4

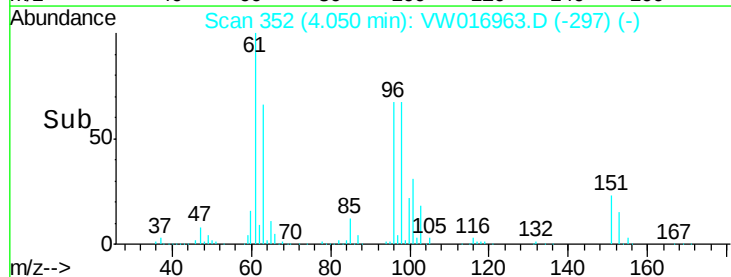
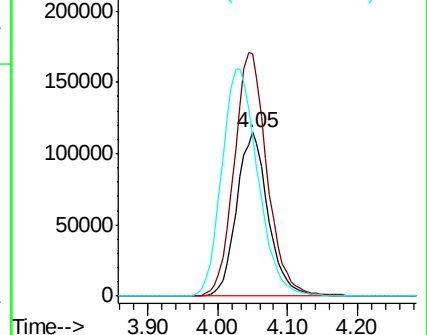
63 98.3 78.5 145.9

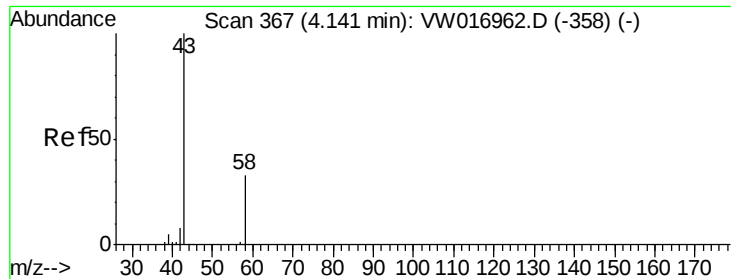


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 93.091 ug/L

RT: 4.15 min Scan# 368

Delta R.T. 0.01 min

Lab File: VW016963.D

Acq: 22 Oct 2020 11:15

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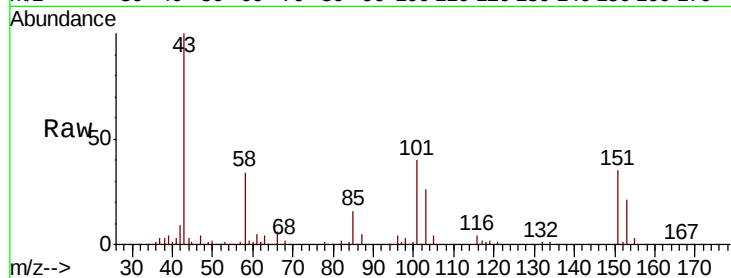
VSTD05006

Tot Ion: 43 Resp: 79657

Ion Ratio Lower Upper

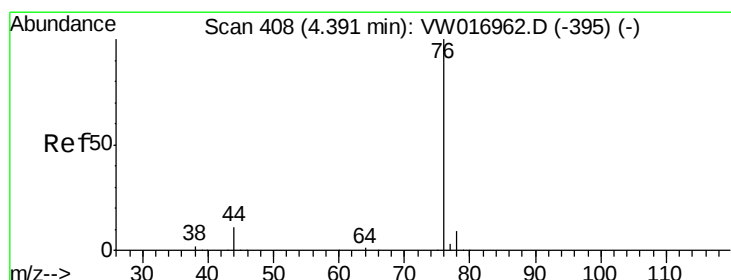
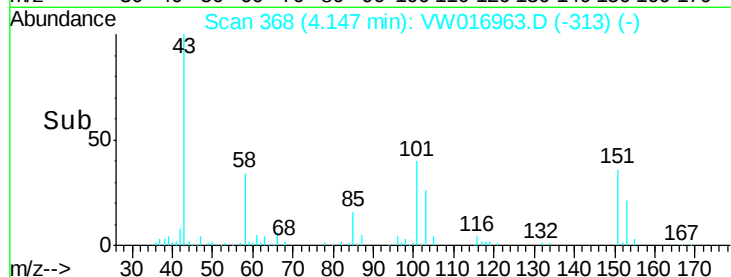
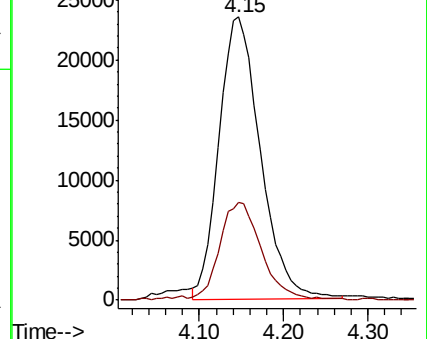
43 100

58 34.7 0.0 69.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 55.091 ug/L

RT: 4.39 min Scan# 408

Delta R.T. -0.00 min

Lab File: VW016963.D

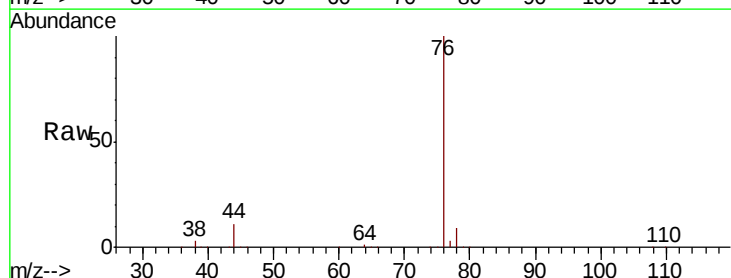
Acq: 22 Oct 2020 11:15

Tgt Ion: 76 Resp: 1065379

Ion Ratio Lower Upper

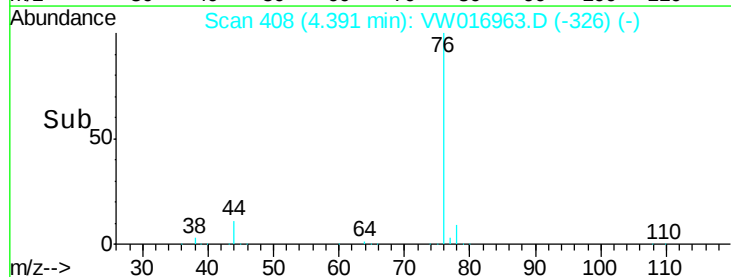
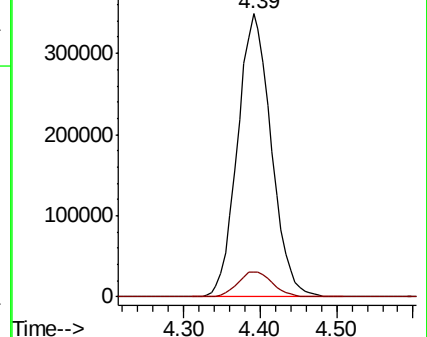
76 100

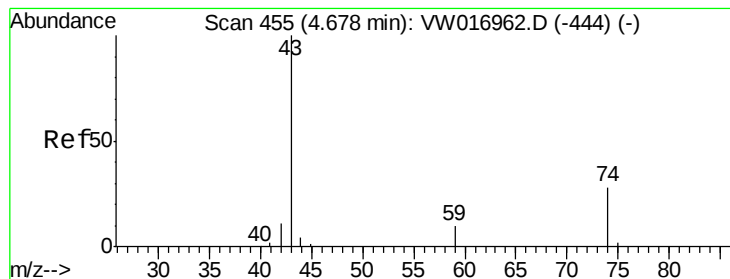
78 8.9 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





#15

Methvl Acetate

Concen: 53.011 ug/L

RT: 4.68 min Scan# 456

Delta R.T. 0.01 min

Lab File: VW016963.D

Acq: 22 Oct 2020 11:15

Instrument :

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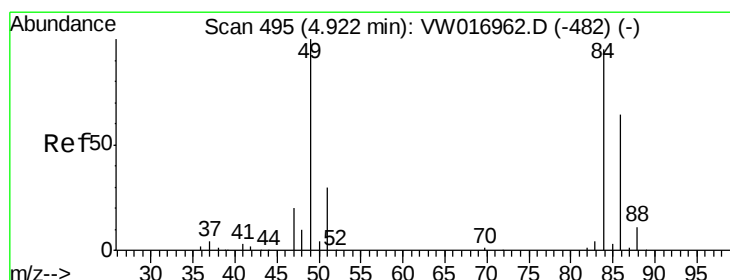
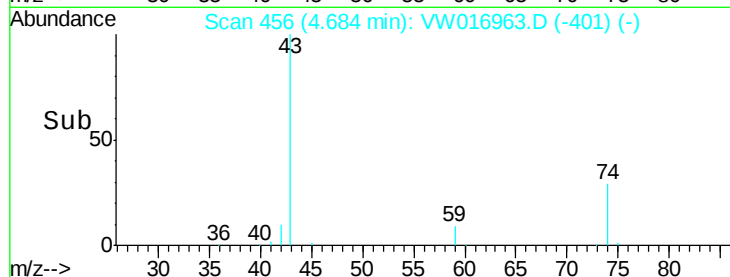
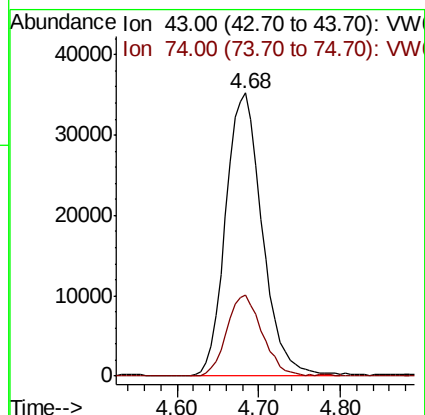
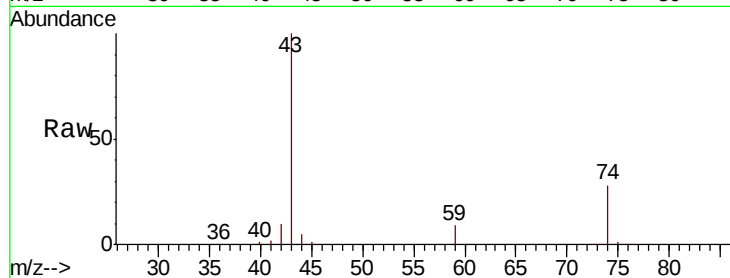
VSTD05006

Tot Ion: 43 Resp: 108804

Ion Ratio Lower Upper

43 100

74 28.0 22.8 34.2



#16

Methylene chloride

Concen: 47.031 ug/L

RT: 4.92 min Scan# 495

Delta R.T. -0.00 min

Lab File: VW016963.D

Acq: 22 Oct 2020 11:15

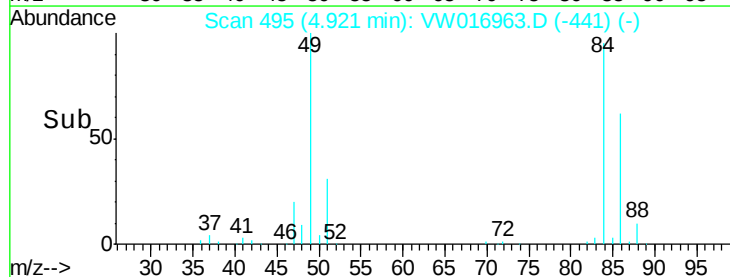
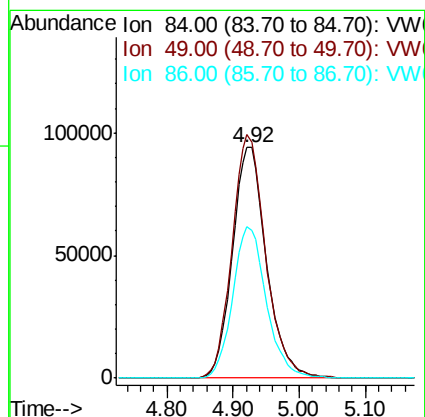
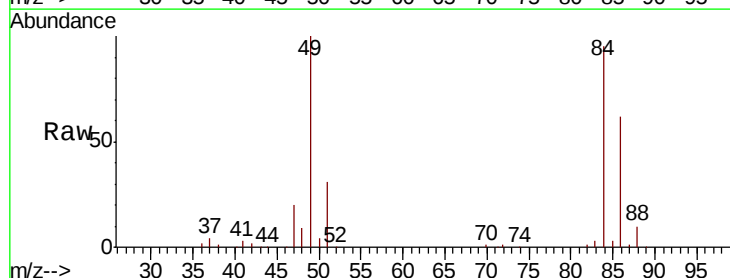
Tgt Ion: 84 Resp: 335773

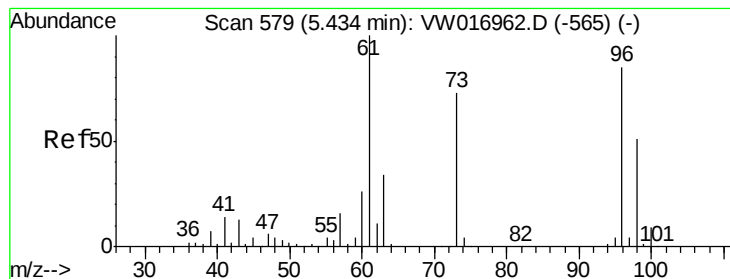
Ion Ratio Lower Upper

84 100

49 105.5 73.8 137.0

86 65.7 47.4 88.0

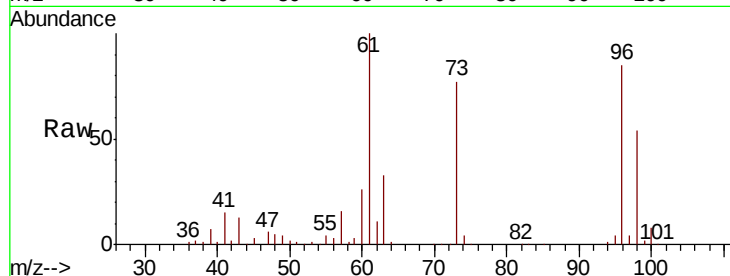




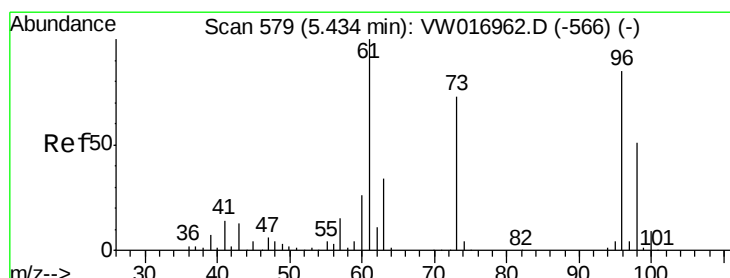
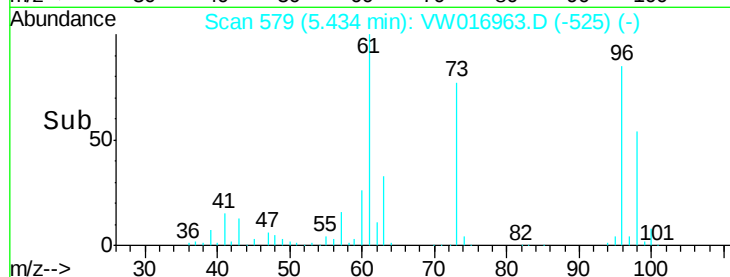
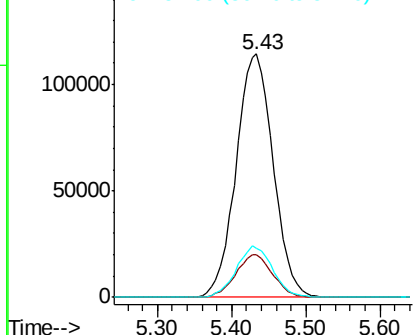
#17
Methvl tert-butvl Ether
Concen: 53.519 ug/L
RT: 5.43 min Scan# 579
Delta R.T. -0.00 min
Lab File: VW016963.D
Acq: 22 Oct 2020 11:15

Instrument :
MSVOA_W
ClientSampleId :
VSTD05006

Tot Ion: 73 Resp: 398798
Ion Ratio Lower Upper
73 100
43 17.4 14.4 21.6
57 20.6 16.6 25.0

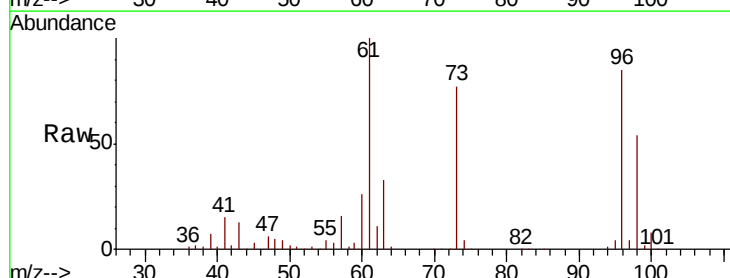


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

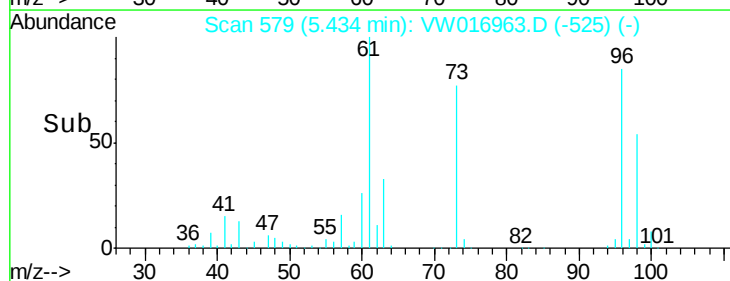
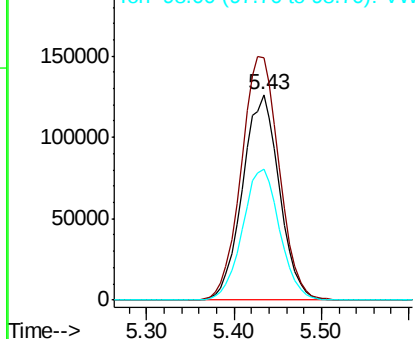


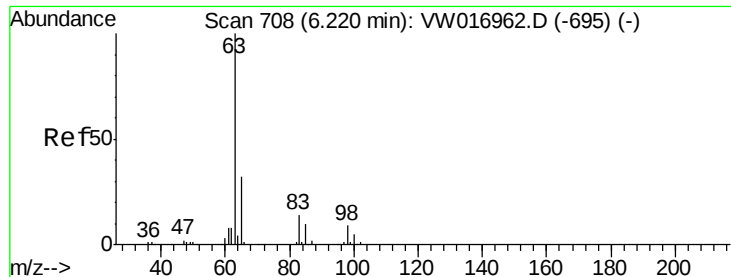
#18
trans-1,2-Dichloroethene
Concen: 52.734 ug/L
RT: 5.43 min Scan# 579
Delta R.T. -0.00 min
Lab File: VW016963.D
Acq: 22 Oct 2020 11:15

Tgt Ion: 96 Resp: 369975
Ion Ratio Lower Upper
96 100
61 118.1 82.7 153.7
98 63.7 42.6 79.0



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

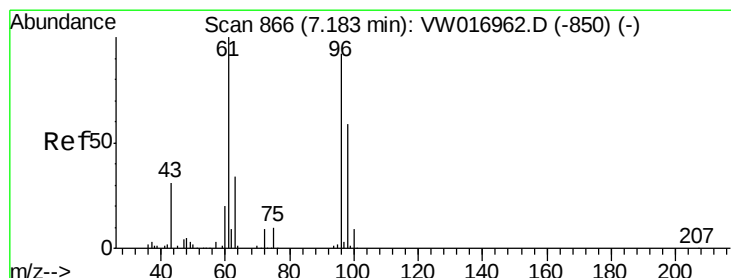
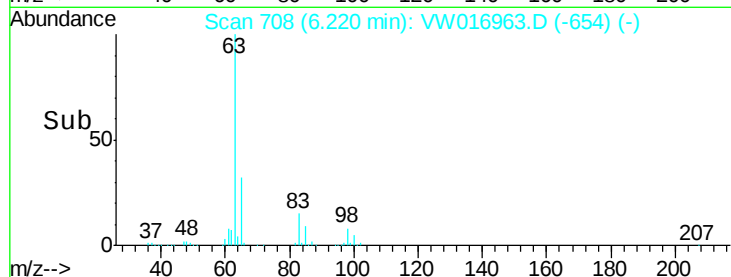
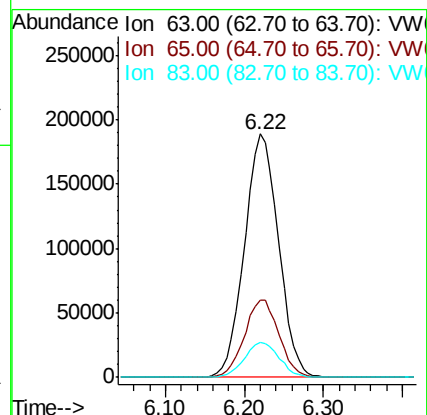
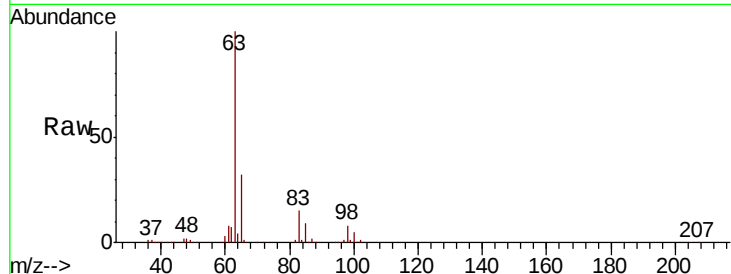




#19
 1,1-Dichloroethane
 Concen: 52.612 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. -0.00 min
 Lab File: VW016963.D
 Acq: 22 Oct 2020 11:15

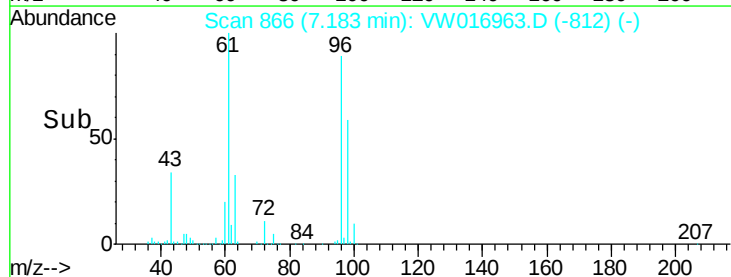
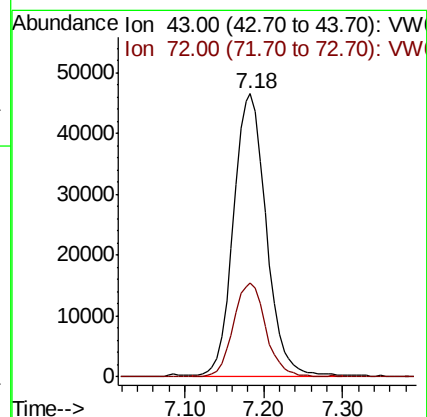
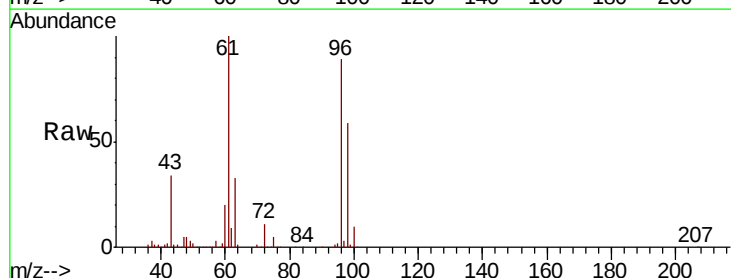
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05006

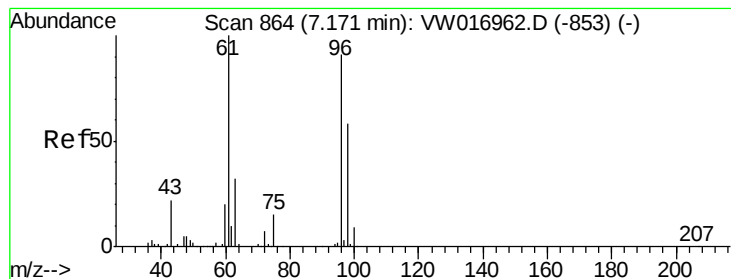
Tot Ion	Ratio	Lower	Upper
63	100		
65	31.6	22.5	41.9
83	14.6	10.1	18.9



#21
 2-Butanone
 Concen: 93.444 ug/L
 RT: 7.18 min Scan# 866
 Delta R.T. -0.00 min
 Lab File: VW016963.D
 Acq: 22 Oct 2020 11:15

Tgt Ion	Ratio	Lower	Upper
43	100		
72	32.6	16.1	48.2



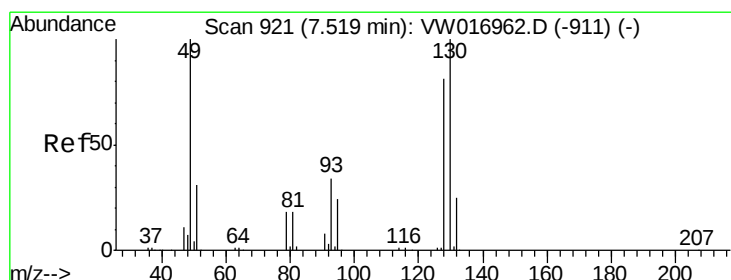
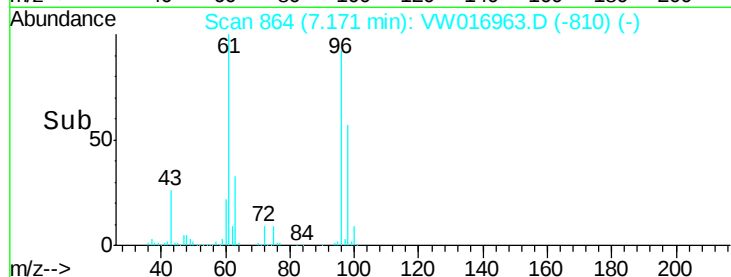
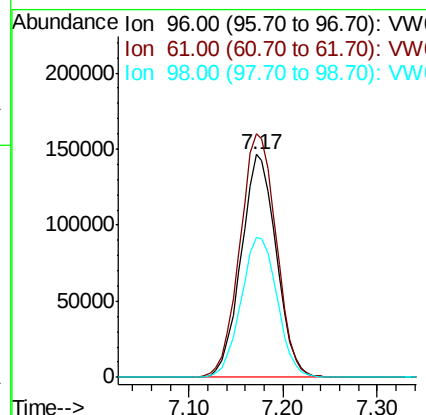
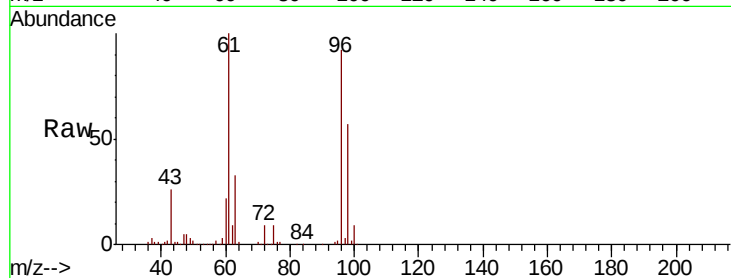


#22

cis-1,2-Dichloroethene
Concen: 53.152 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW016963.D
Acq: 22 Oct 2020 11:15

Instrument :
MSVOA_W
ClientSampleId :
VSTD05006

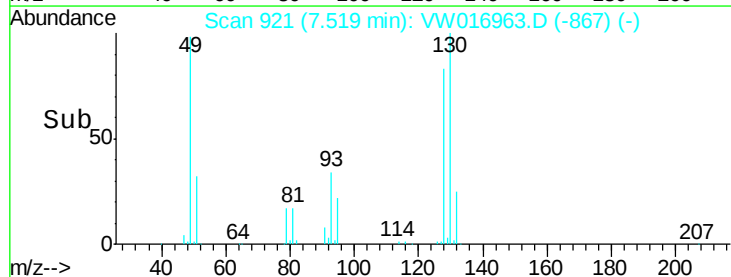
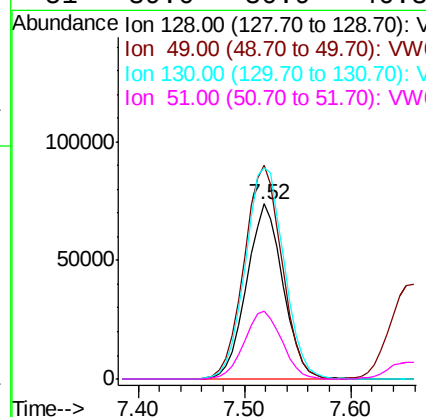
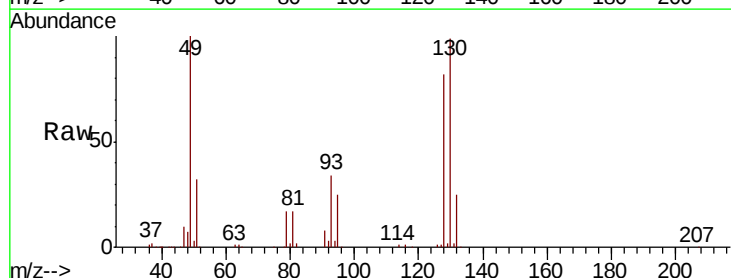
Tot Ion	Ratio	Lower	Upper
96	100		
61	109.2	77.4	143.8
98	62.6	44.4	82.5

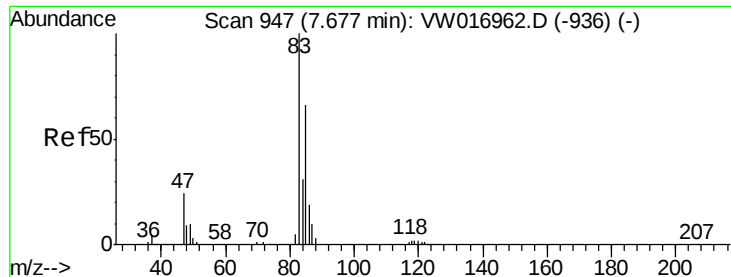


#23

Bromochloromethane
Concen: 53.253 ug/L
RT: 7.52 min Scan# 921
Delta R.T. -0.00 min
Lab File: VW016963.D
Acq: 22 Oct 2020 11:15

Tgt Ion	Ratio	Lower	Upper
128	100		
49	121.8	86.4	160.4
130	120.8	86.4	160.4
51	39.0	30.9	46.3

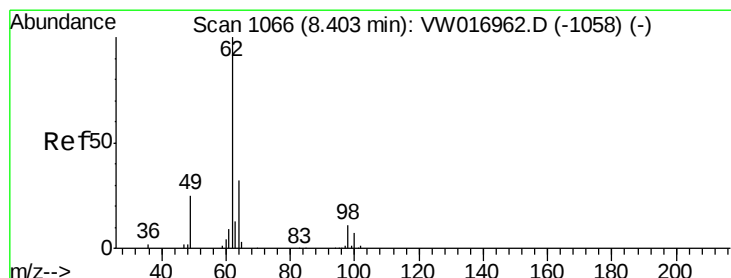
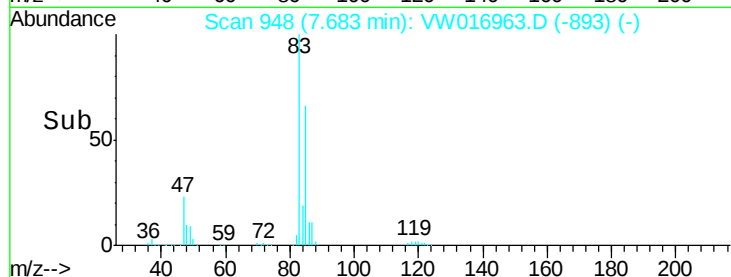
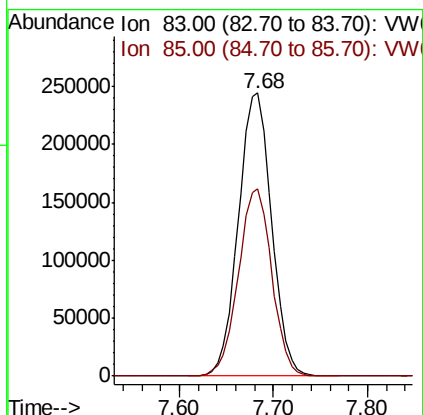
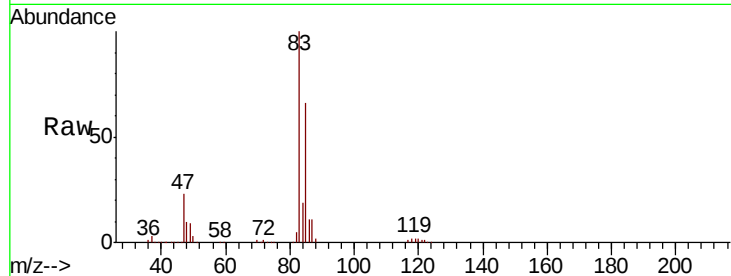




#25
Chloroform
Concen: 51.739 ug/L
RT: 7.68 min Scan# 948
Delta R.T. 0.01 min
Lab File: VW016963.D
Acq: 22 Oct 2020 11:15

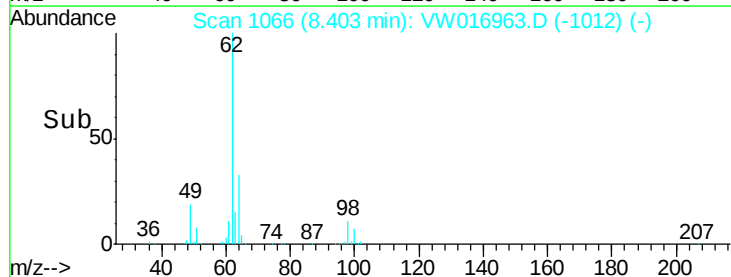
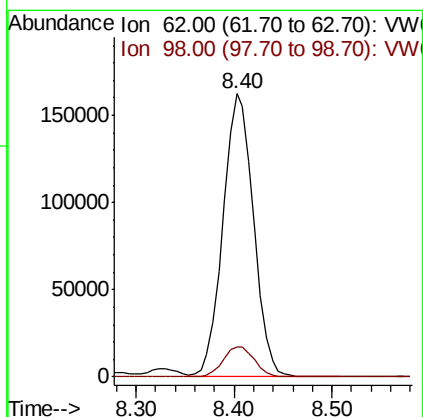
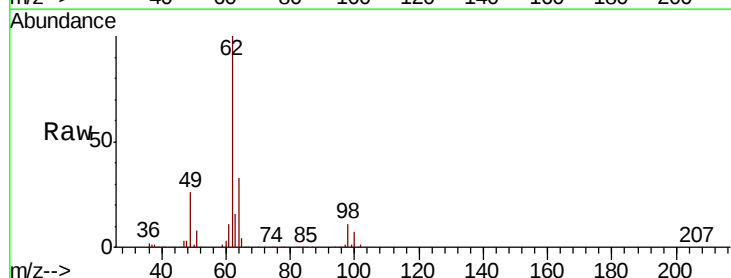
Instrument :
MSVOA_W
ClientSampled :
VSTD05006

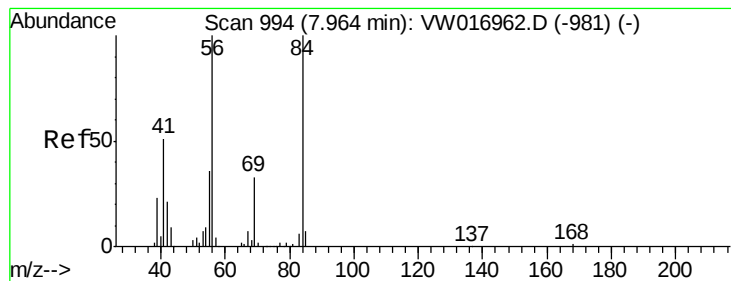
Tot Ion: 83 Resp: 602089
Ion Ratio Lower Upper
83 100
85 66.8 46.6 86.6



#27
1,2-Dichloroethane
Concen: 51.265 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW016963.D
Acq: 22 Oct 2020 11:15

Tgt Ion: 62 Resp: 351321
Ion Ratio Lower Upper
62 100
98 10.6 8.5 12.7





#30

Cyclohexane

Concen: 54.551 ug/L

RT: 7.96 min Scan# 994

Delta R.T. -0.00 min

Lab File: VW016963.D

Acq: 22 Oct 2020 11:15

Instrument :

MSVOA_W

ClientSampleId :

VSTD05006

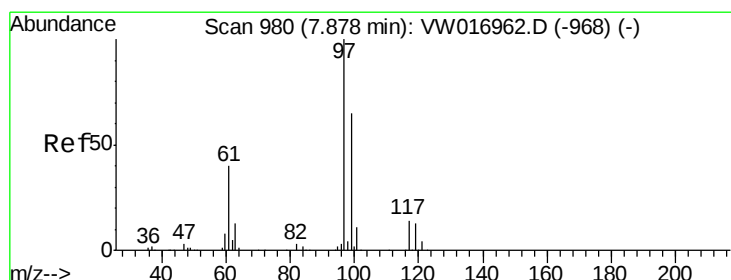
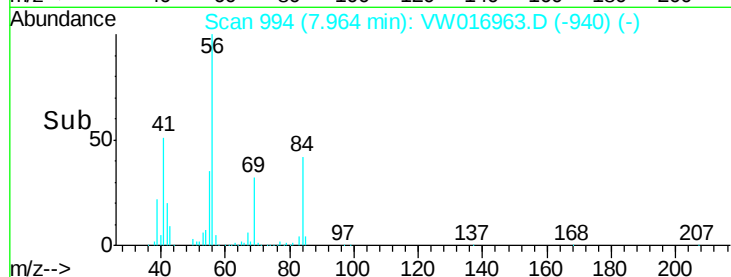
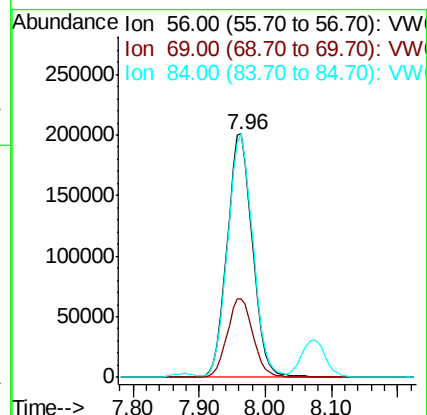
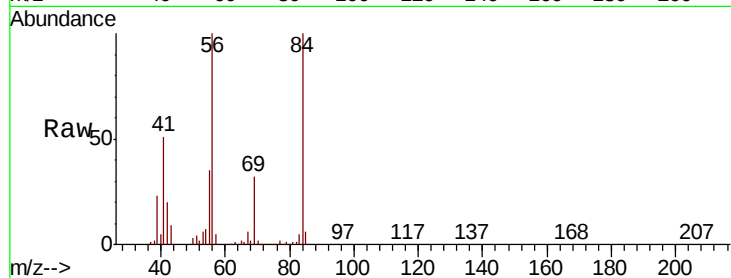
Tot Ion: 56 Resp: 534332

Ion Ratio Lower Upper

56 100

69 32.7 26.0 39.0

84 99.0 78.6 118.0



#31

1,1,1-Trichloroethane

Concen: 52.768 ug/L

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW016963.D

Acq: 22 Oct 2020 11:15

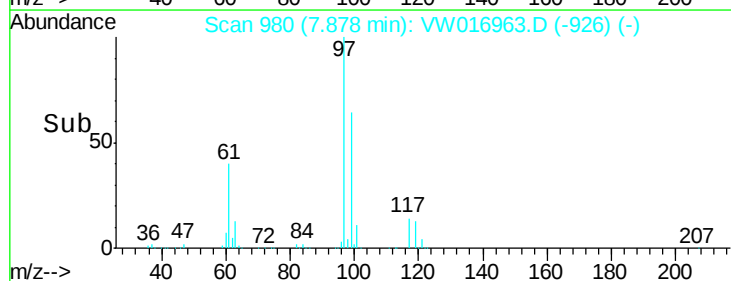
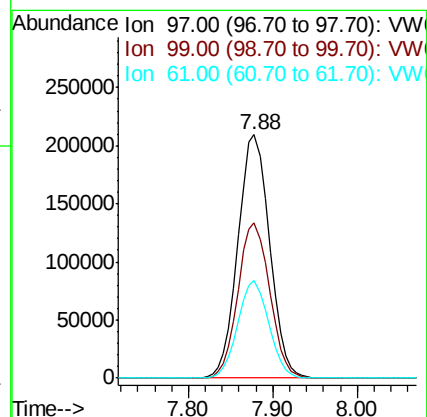
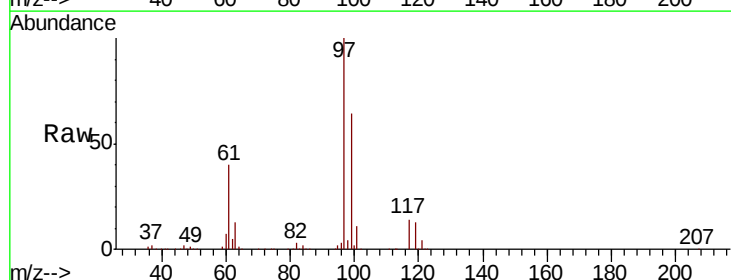
Tgt Ion: 97 Resp: 532100

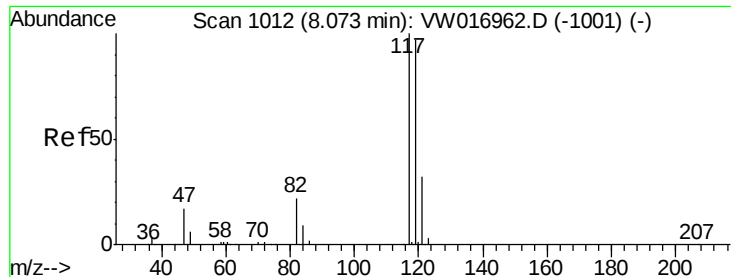
Ion Ratio Lower Upper

97 100

99 64.4 51.3 76.9

61 39.4 31.8 47.8





#32

Carbon tetrachloride

Concen: 53.019 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VW016963.D

Acq: 22 Oct 2020 11:15

Instrument :

MSVOA_W

ClientSampleId :

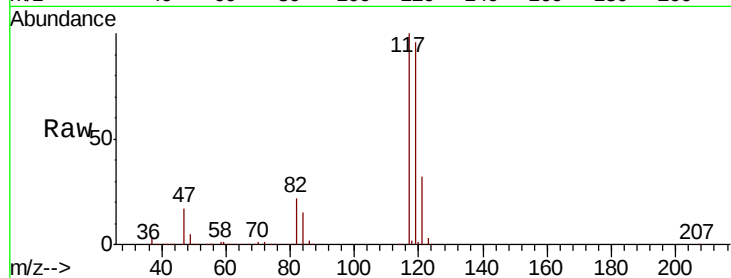
VSTD05006

Tot Ion:117 Resp: 516301

Ion Ratio Lower Upper

117 100

119 95.7 78.0 117.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

200000

150000

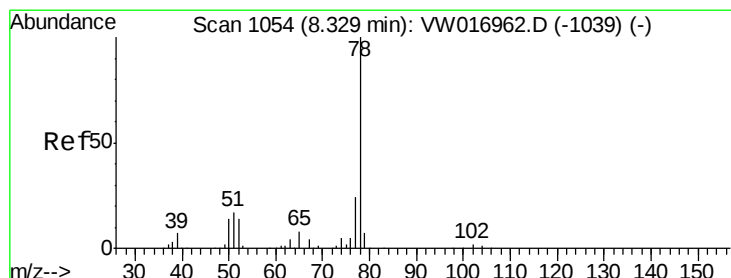
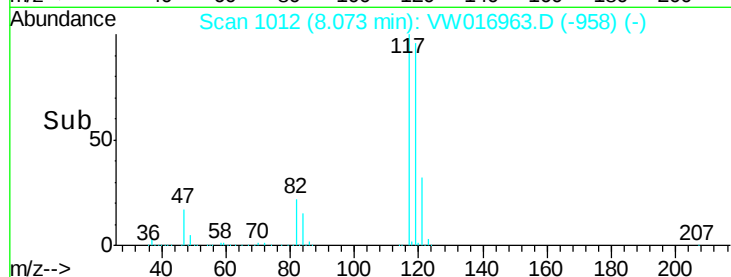
100000

50000

0

8.00 8.10 8.20

Time-->



#34

Benzene

Concen: 53.377 ug/L

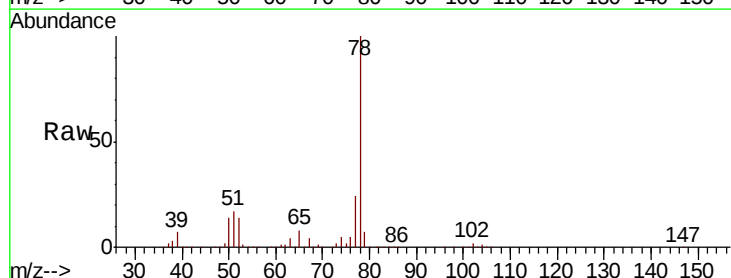
RT: 8.33 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VW016963.D

Acq: 22 Oct 2020 11:15

Tgt Ion: 78 Resp: 1353439



Abundance Ion 78.00 (77.70 to 78.70): VW

8.33

600000

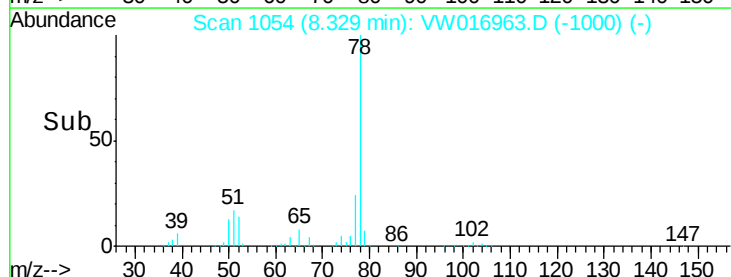
400000

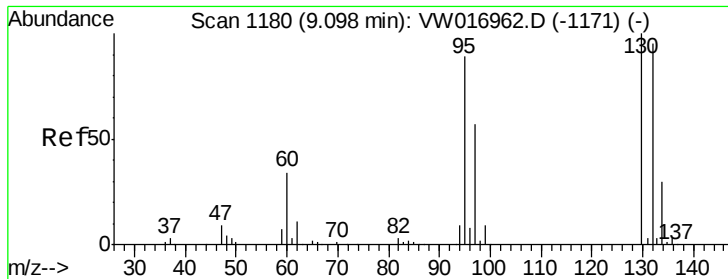
200000

0

8.20 8.30 8.40

Time-->

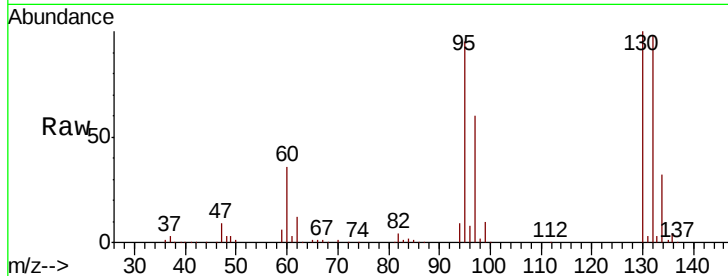




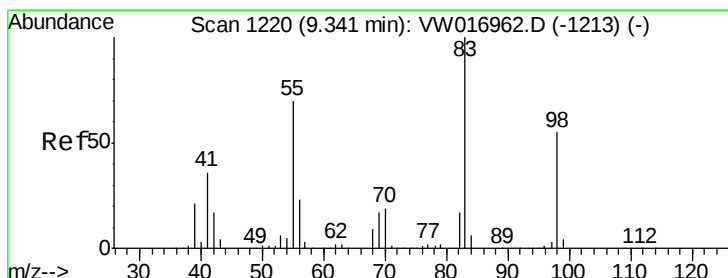
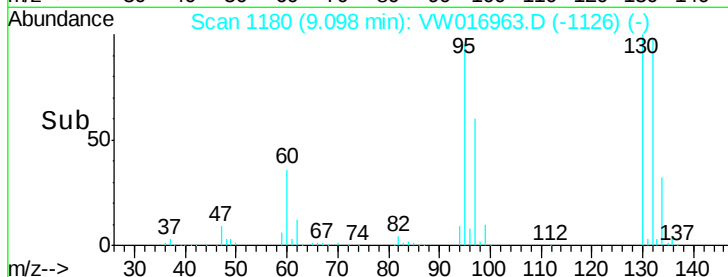
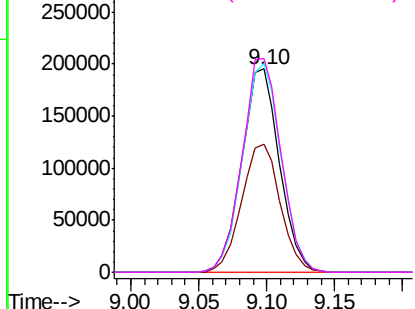
#35
 Trichloroethene
 Concen: 53.119 ug/L
 RT: 9.10 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VW016963.D
 Acq: 22 Oct 2020 11:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05006

Tot Ion: 95 Resp: 379575
 Ion Ratio Lower Upper
 95 100
 97 64.5 46.0 85.4
 132 105.3 73.9 137.3
 130 108.6 77.6 144.2

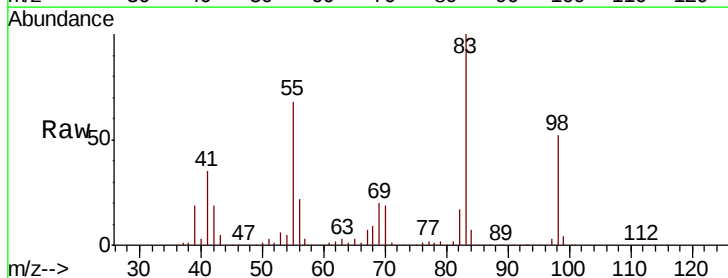


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

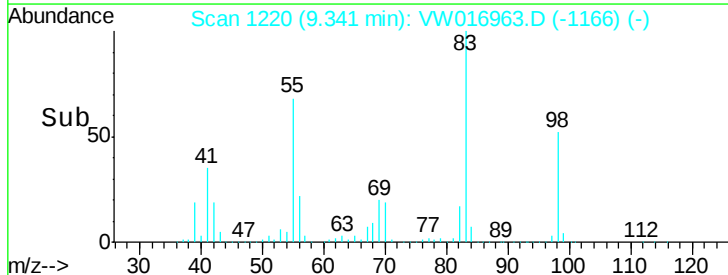
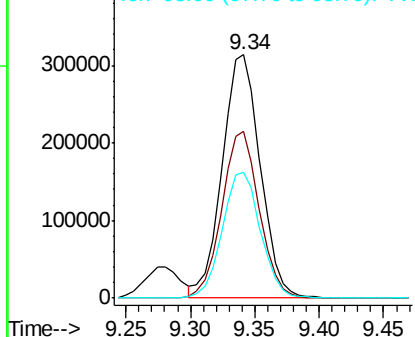


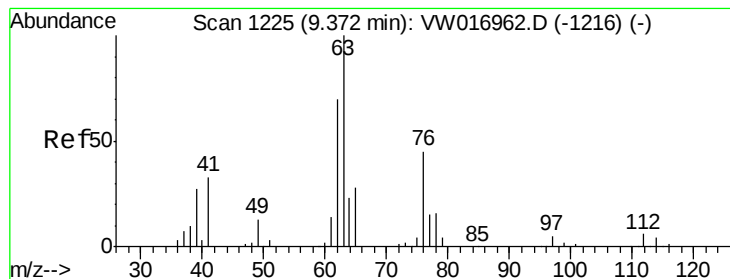
#36
 Methylcyclohexane
 Concen: 53.387 ug/L
 RT: 9.34 min Scan# 1220
 Delta R.T. -0.00 min
 Lab File: VW016963.D
 Acq: 22 Oct 2020 11:15

Tgt Ion: 83 Resp: 644918
 Ion Ratio Lower Upper
 83 100
 55 67.6 54.5 81.7
 98 52.1 40.8 61.2



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: 53.150 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VW016963.D

Acq: 22 Oct 2020 11:15

Instrument :

MSVOA_W

ClientSampleId :

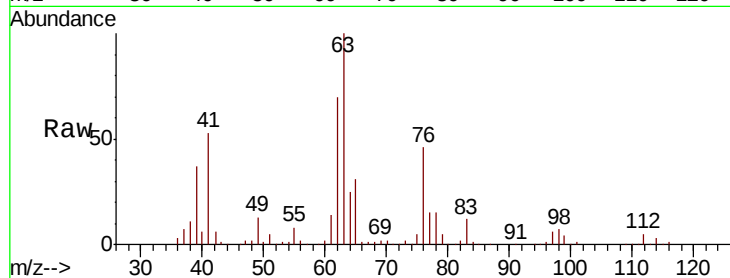
VSTD05006

Tot Ion: 63 Resp: 304991

Ion Ratio Lower Upper

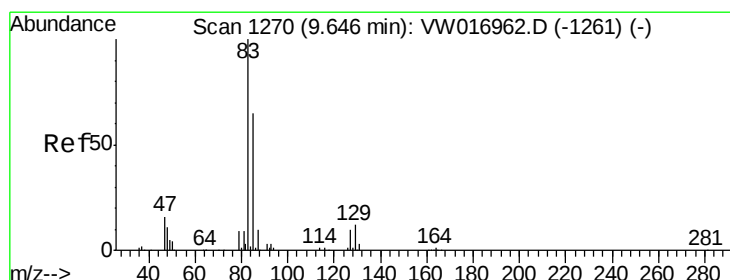
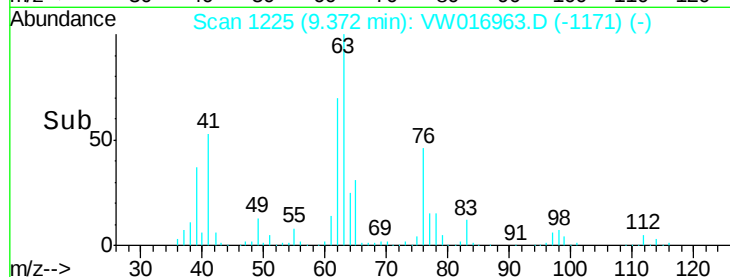
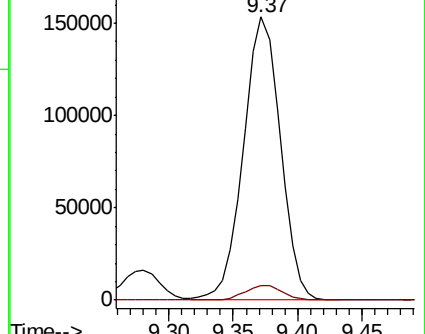
63 100

112 5.3 4.5 6.7



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 52.860 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW016963.D

Acq: 22 Oct 2020 11:15

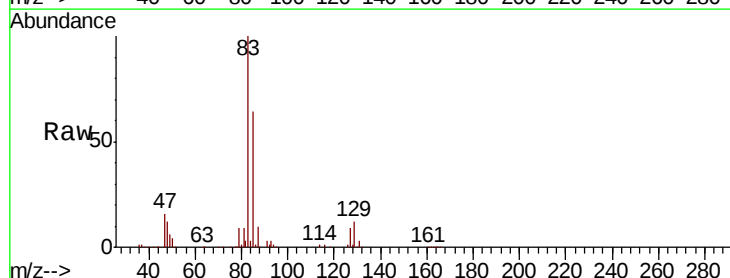
Tgt Ion: 83 Resp: 423761

Ion Ratio Lower Upper

83 100

85 64.0 45.1 83.9

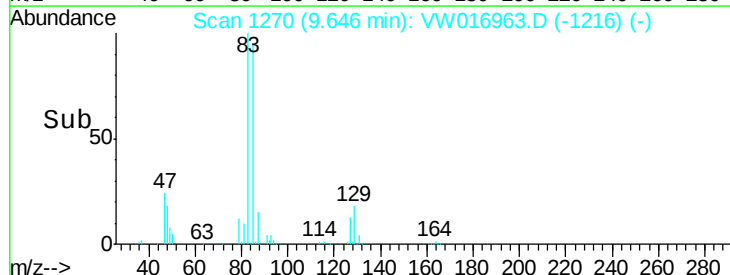
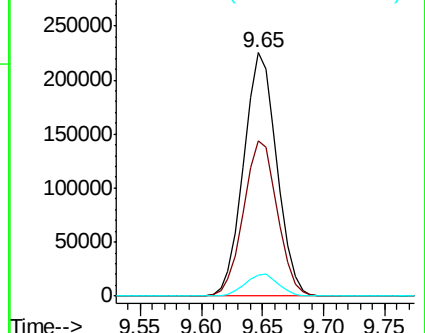
127 8.7 7.8 11.6

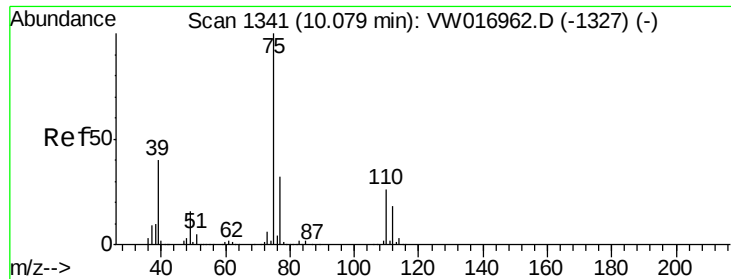


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 56.147 ug/L

RT: 10.08 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VW016963.D

Acq: 22 Oct 2020 11:15

Instrument :

MSVOA_W

ClientSampleId :

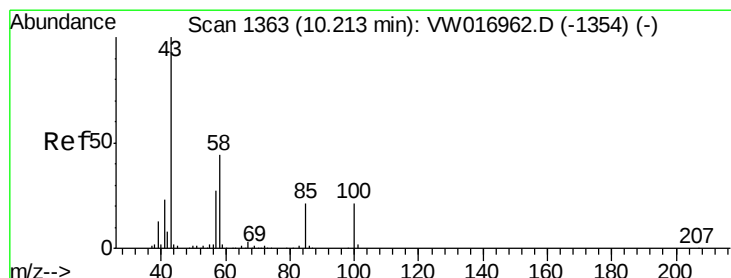
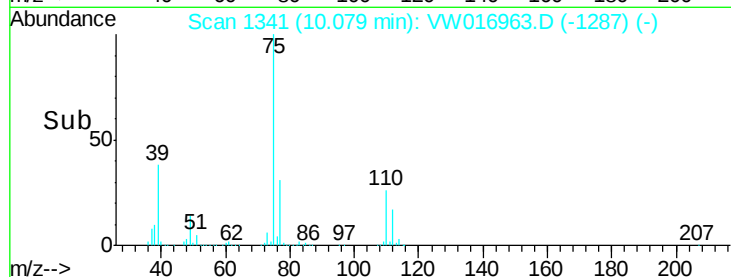
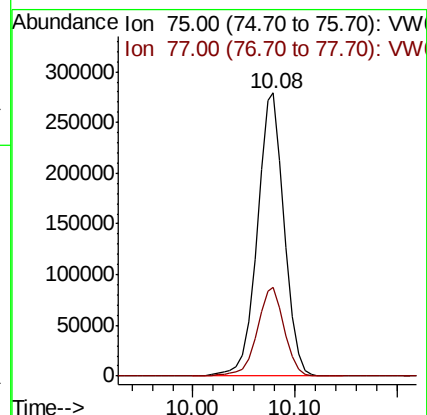
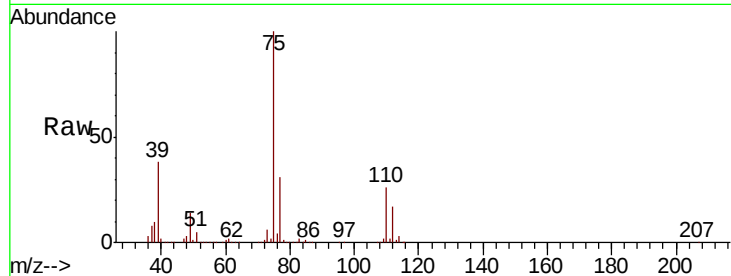
VSTD05006

Tot Ion: 75 Resp: 511180

Ion Ratio Lower Upper

75 100

77 31.5 22.7 42.1



#43

4-Methyl-2-pentanone

Concen: 108.018 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW016963.D

Acq: 22 Oct 2020 11:15

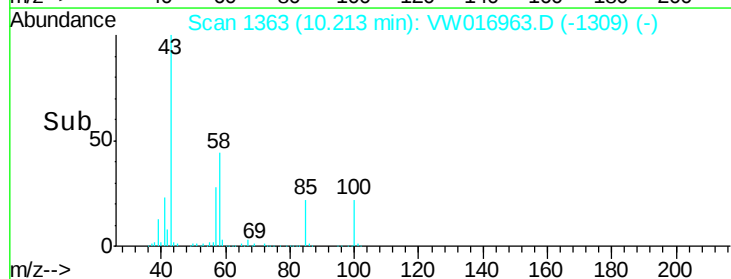
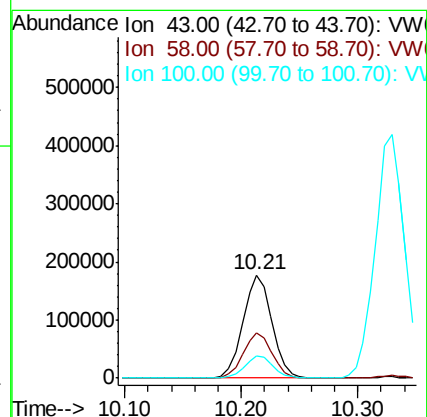
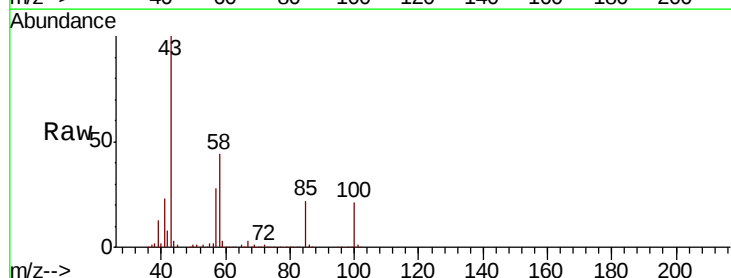
Tgt Ion: 43 Resp: 305852

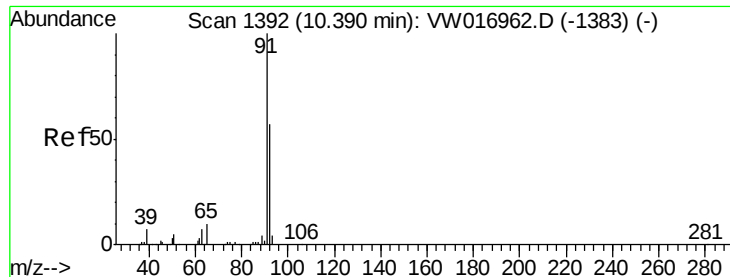
Ion Ratio Lower Upper

43 100

58 43.8 34.4 51.6

100 21.1 16.2 24.2





#44

Toluene

Concen: 52.422 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW016963.D

Acq: 22 Oct 2020 11:15

Instrument :

MSVOA_W

ClientSampleId :

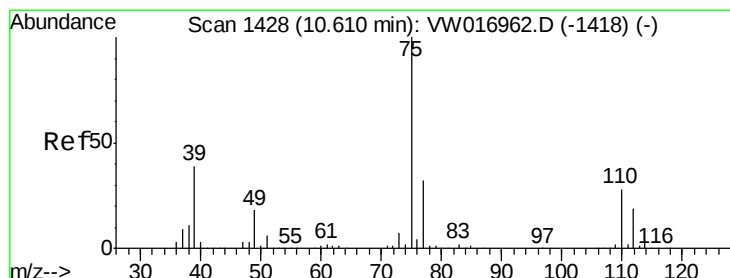
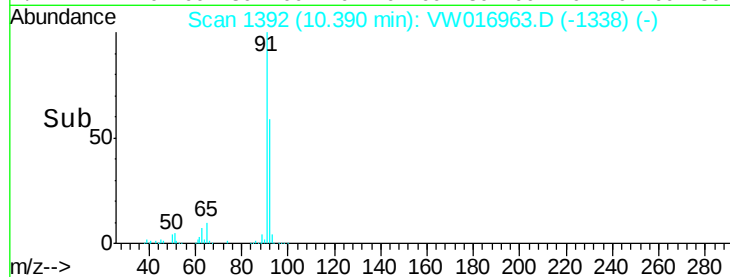
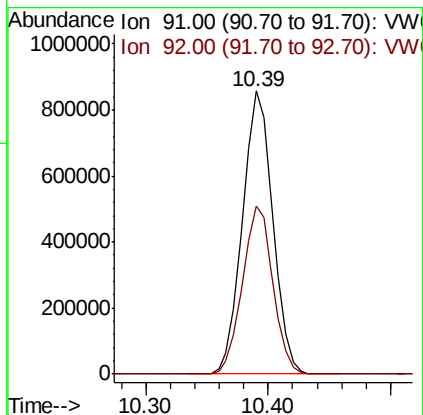
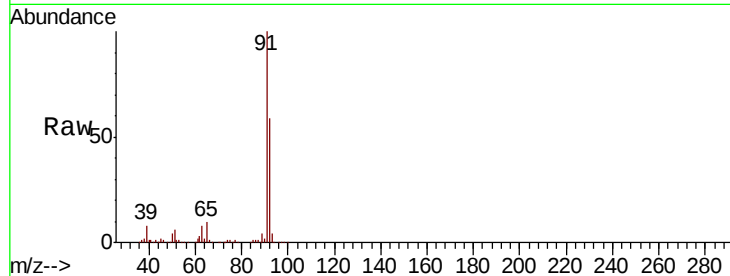
VSTD05006

Tot Ion: 91 Resp: 1475070

Ion Ratio Lower Upper

91 100

92 59.3 40.1 74.5



#45

trans-1,3-Dichloropropene

Concen: 56.655 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW016963.D

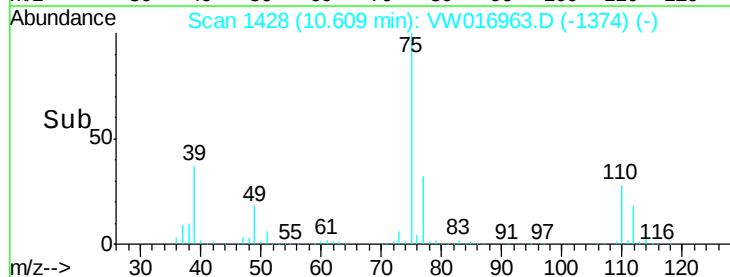
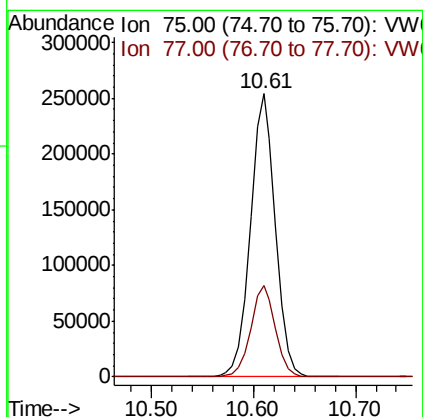
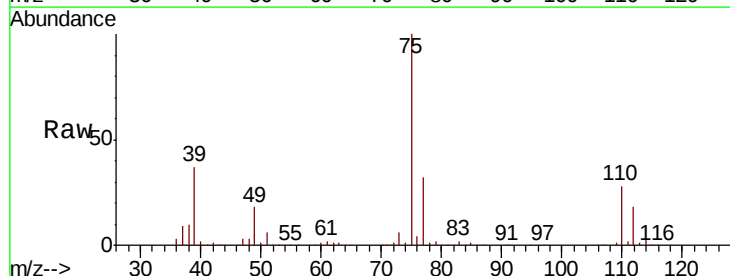
Acq: 22 Oct 2020 11:15

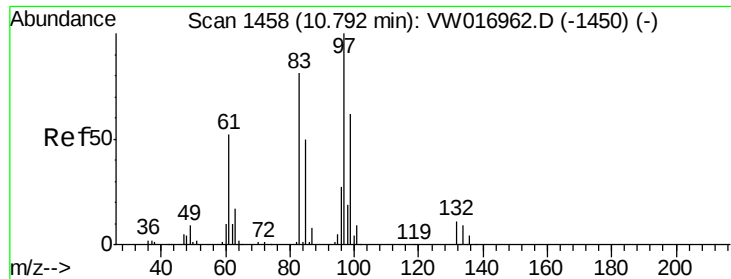
Tgt Ion: 75 Resp: 432559

Ion Ratio Lower Upper

75 100

77 32.3 22.7 42.3

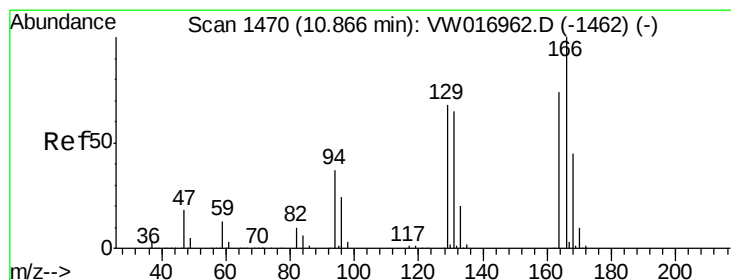
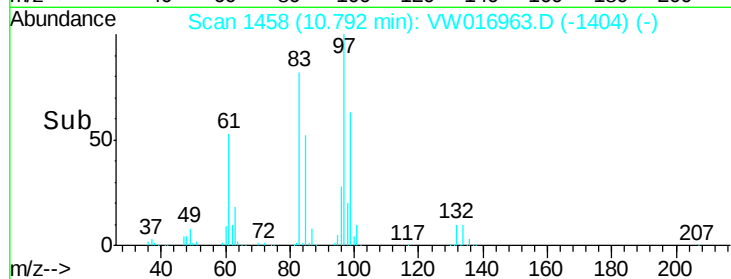
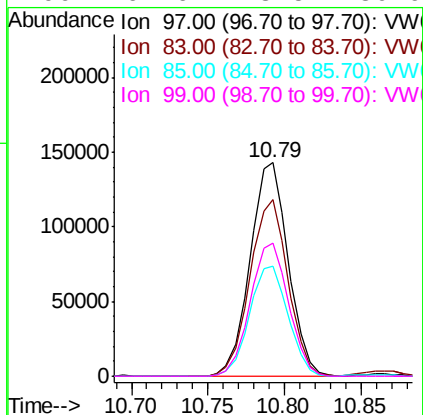
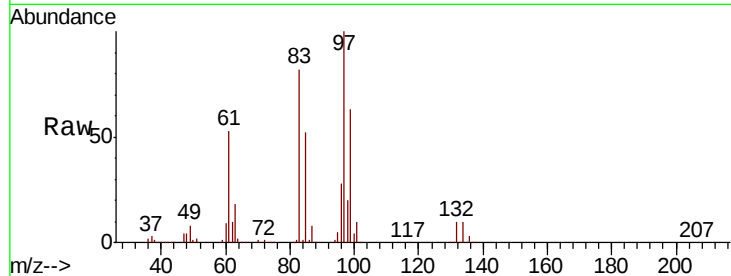




#46
 1,1,2-Trichloroethane
 Concen: 53.290 ug/L
 RT: 10.79 min Scan# 1458
 Delta R.T. -0.00 min
 Lab File: VW016963.D
 Acq: 22 Oct 2020 11:15

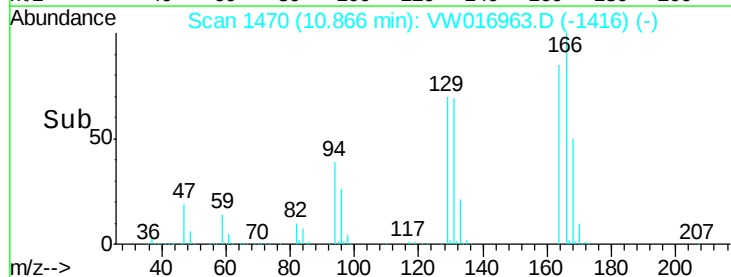
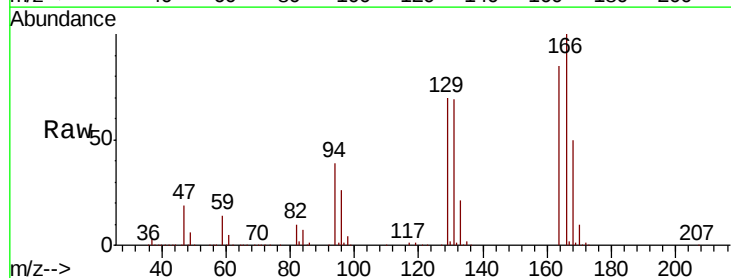
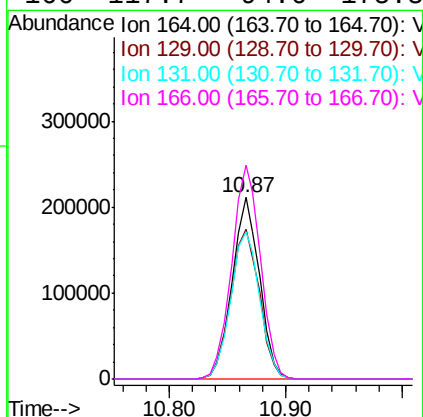
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05006

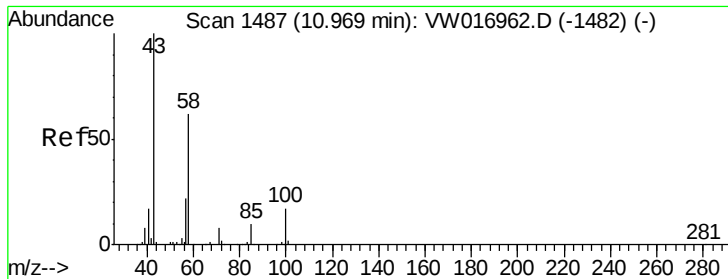
Tot Ion:	97	Resp:	247109
Ion	Ratio	Lower	Upper
97	100		
83	82.5	56.6	105.0
85	51.8	34.6	64.3
99	62.6	43.5	80.9



#47
 Tetrachloroethene
 Concen: 51.905 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. -0.00 min
 Lab File: VW016963.D
 Acq: 22 Oct 2020 11:15

Tgt Ion:	164	Resp:	344204
Ion	Ratio	Lower	Upper
164	100		
129	82.3	64.0	119.0
131	81.4	61.7	114.5
166	117.7	94.6	175.8

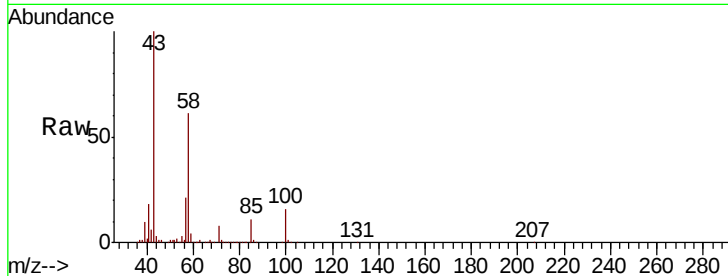




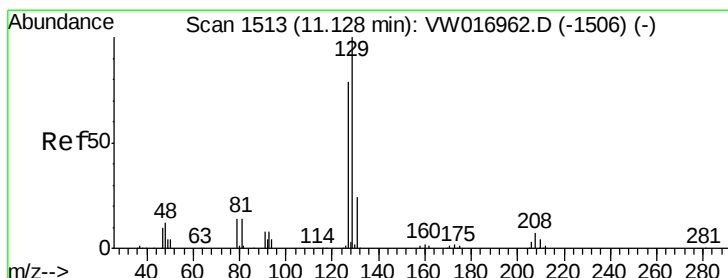
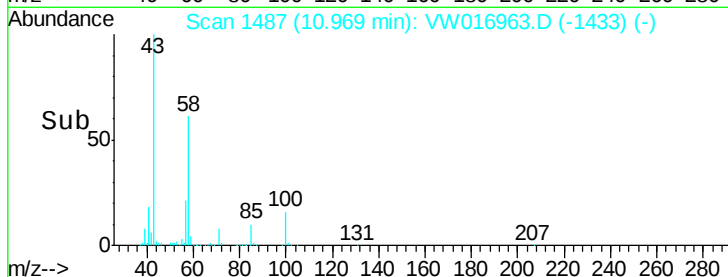
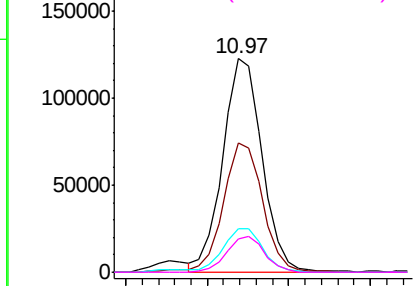
#49
2-Hexanone
Concen: 109.842 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW016963.D
Acq: 22 Oct 2020 11:15

Instrument :
MSVOA_W
ClientSampleId :
VSTD05006

Tot Ion:	43	Resp:	204134
Ion	Ratio	Lower	Upper
43	100		
58	60.9	49.2	73.8
57	21.3	17.0	25.4
100	16.6	13.2	19.8

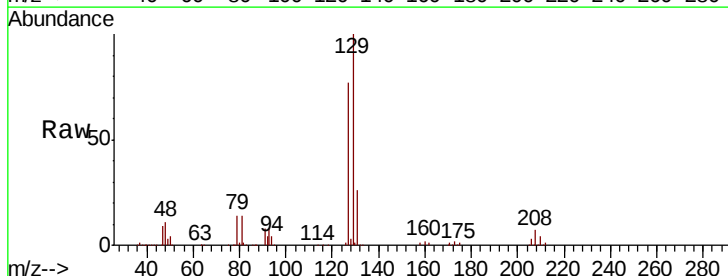


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW
Ion 57.00 (56.70 to 57.70): VW
Ion 100.00 (99.70 to 100.70): VW

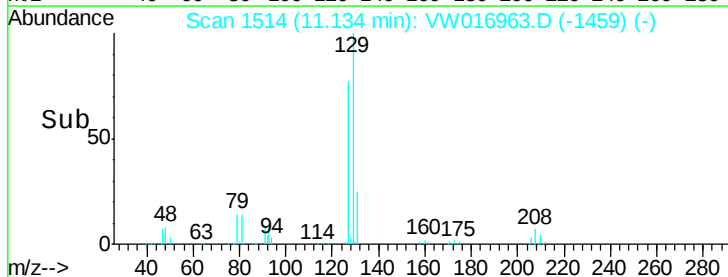
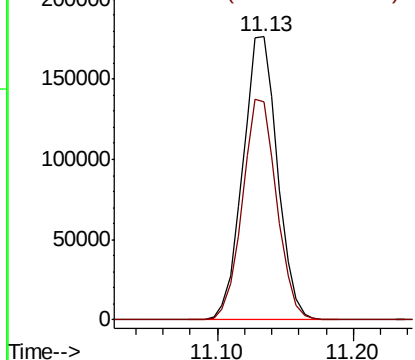


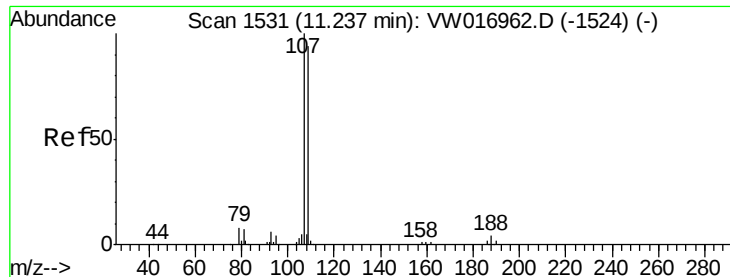
#50
Dibromochloromethane
Concen: 54.917 ug/L
RT: 11.13 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VW016963.D
Acq: 22 Oct 2020 11:15

Tgt Ion:	129	Resp:	314896
Ion	Ratio	Lower	Upper
129	100		
127	77.2	55.4	102.8



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





#51

1,2-Dibromoethane

Concen: 53.613 ug/L

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW016963.D

Acq: 22 Oct 2020 11:15

Instrument :

MSVOA_W

ClientSampleId :

VSTD05006

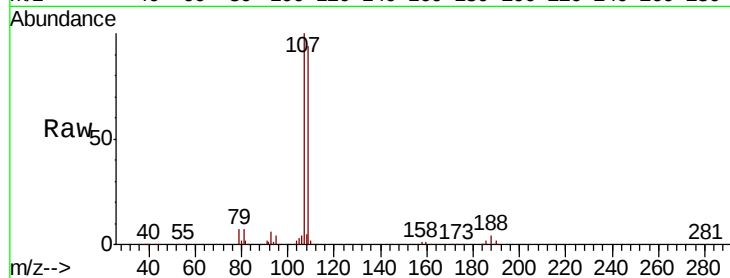
Tot Ion:107 Resp: 242040

Ion Ratio Lower Upper

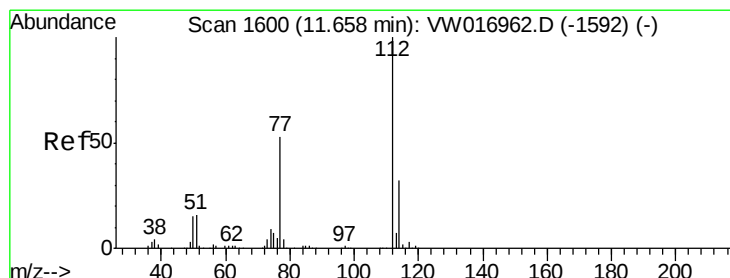
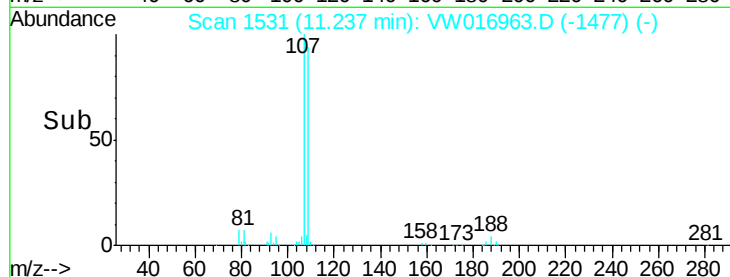
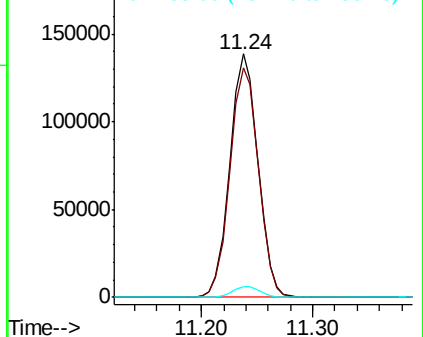
107 100

109 94.4 65.7 121.9

188 4.2 3.1 4.7



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 52.108 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW016963.D

Acq: 22 Oct 2020 11:15

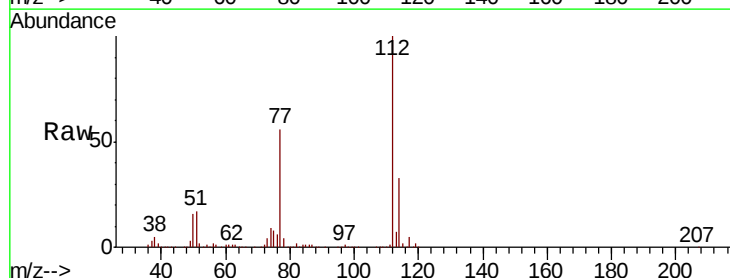
Tgt Ion:112 Resp: 979957

Ion Ratio Lower Upper

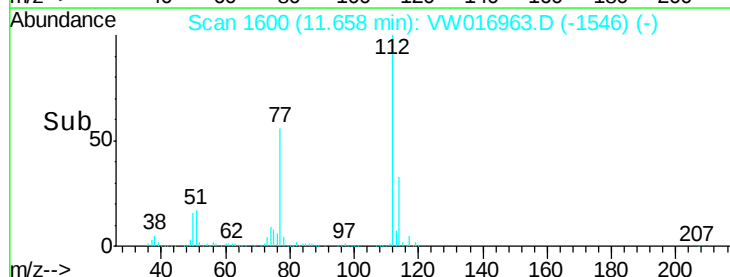
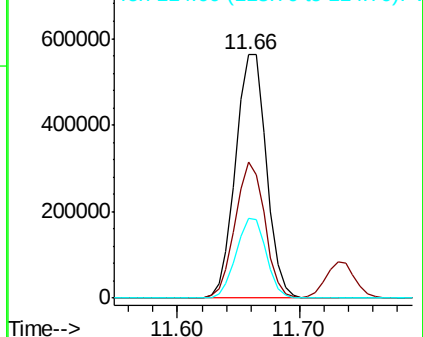
112 100

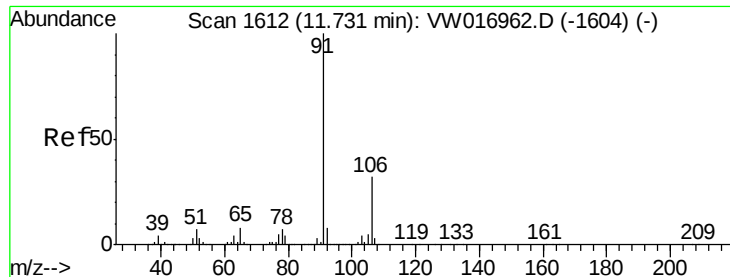
77 56.2 42.5 63.7

114 32.7 22.3 41.3



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 77.00 (76.70 to 77.70): V
Ion 114.00 (113.70 to 114.70): V

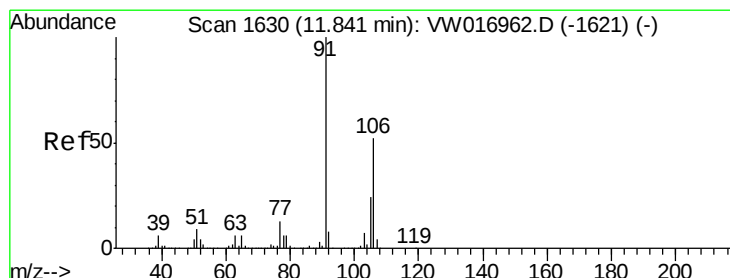
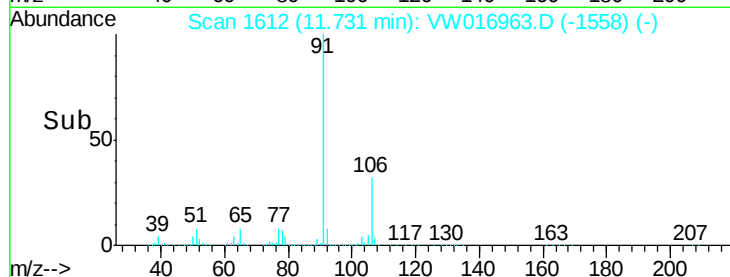
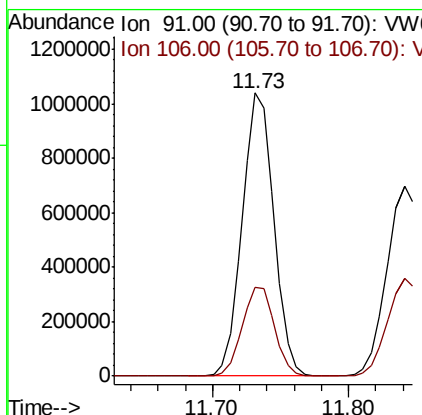
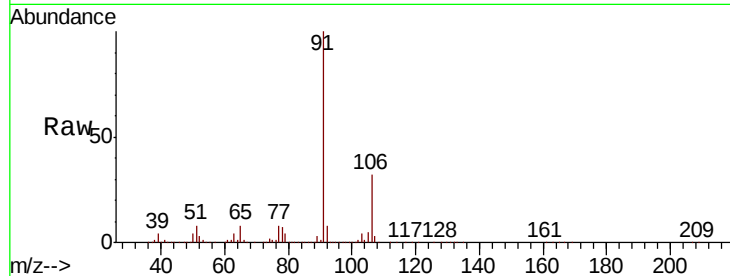




#53
Ethylbenzene
Concen: 53.389 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW016963.D
Acq: 22 Oct 2020 11:15

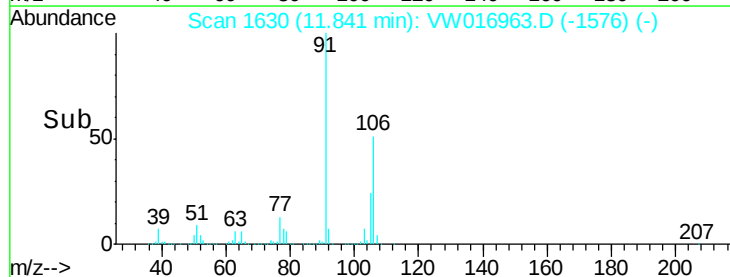
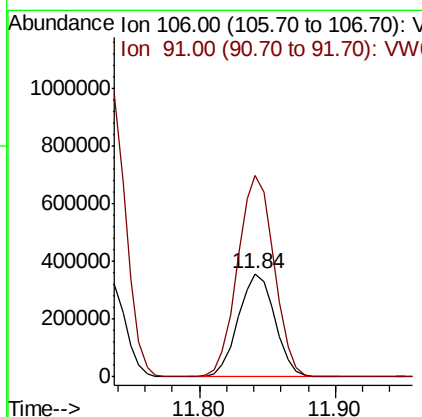
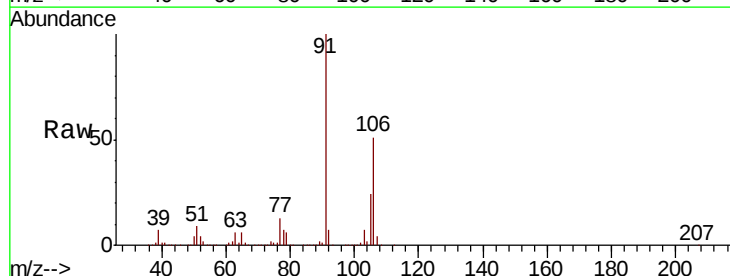
Instrument :
MSVOA_W
ClientSampled :
VSTD05006

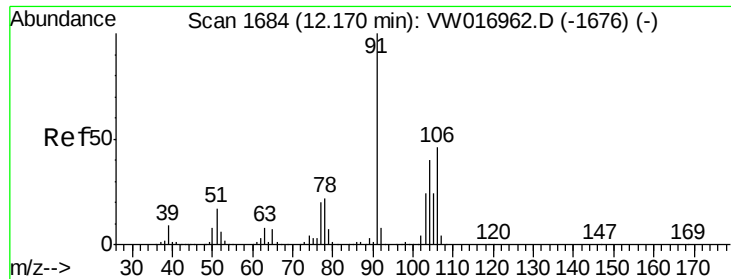
Tot Ion: 91 Resp: 1688141
Ion Ratio Lower Upper
91 100
106 31.6 22.5 41.7



#54
m,p-Xylene
Concen: 54.510 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW016963.D
Acq: 22 Oct 2020 11:15

Tgt Ion: 106 Resp: 669930
Ion Ratio Lower Upper
106 100
91 195.1 134.2 249.2

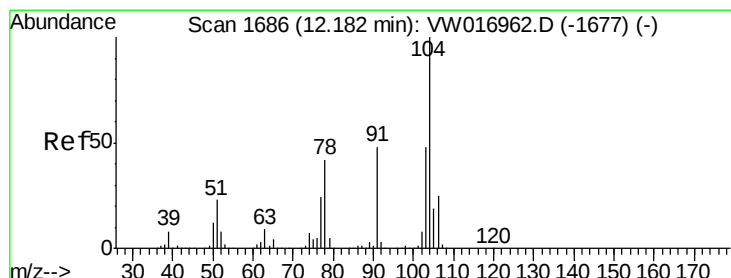
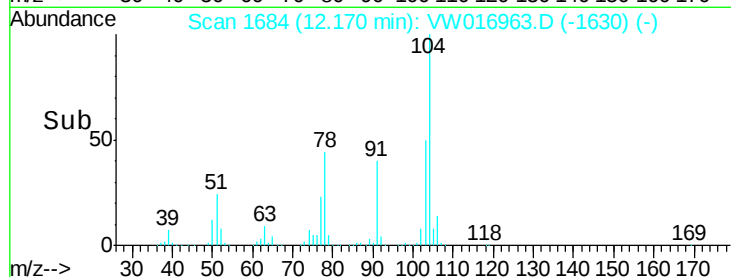
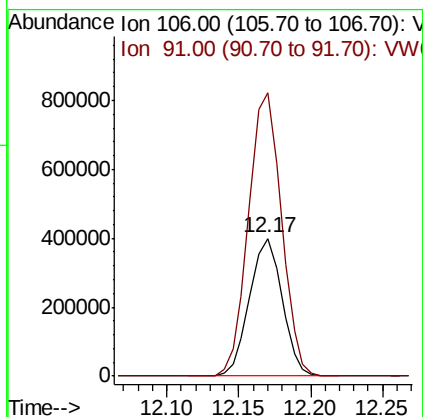
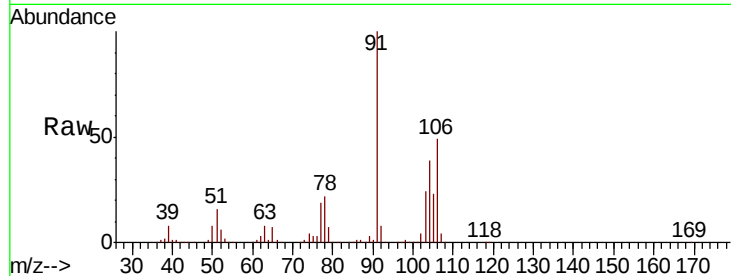




#55
o-xylene
Concen: 54.129 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW016963.D
Acq: 22 Oct 2020 11:15

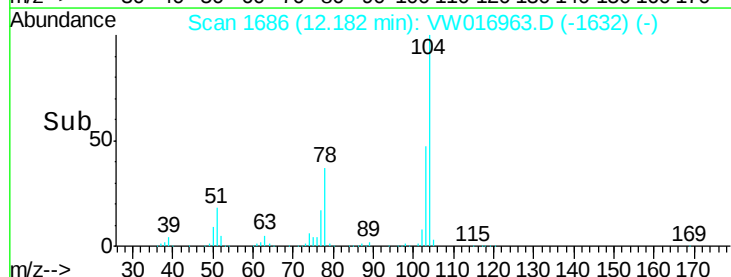
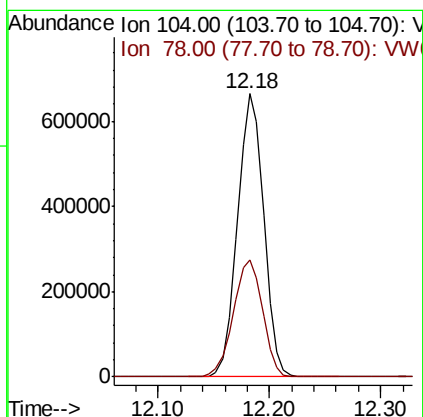
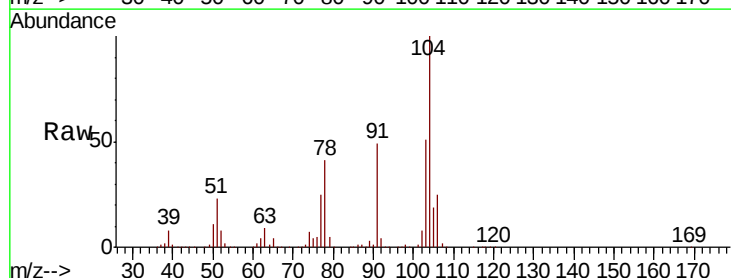
Instrument :
MSVOA_W
ClientSampled :
VSTD05006

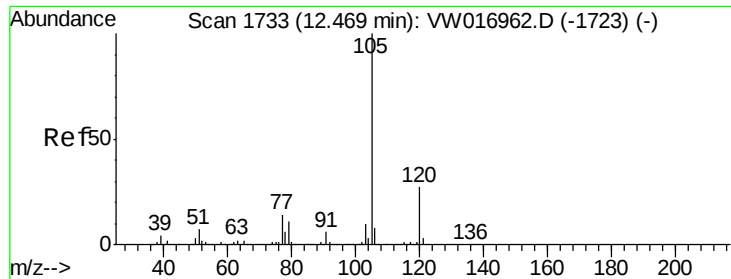
Tot Ion:106 Resp: 628999
Ion Ratio Lower Upper
106 100
91 205.7 150.9 280.3



#56
Styrene
Concen: 55.946 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW016963.D
Acq: 22 Oct 2020 11:15

Tgt Ion:104 Resp: 1082567
Ion Ratio Lower Upper
104 100
78 41.1 29.3 54.5





#57

Isopropylbenzene

Concen: 53.910 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW016963.D

Acq: 22 Oct 2020 11:15

Instrument :

MSVOA_W

ClientSampled :

VSTD05006

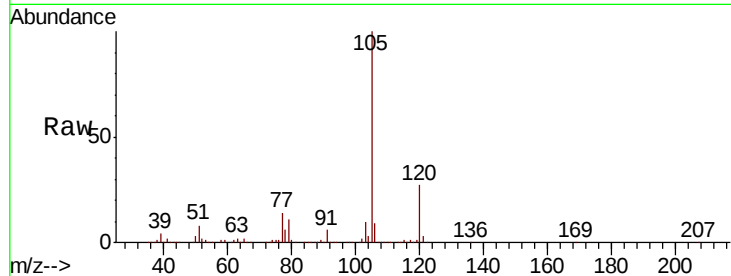
Tot Ion:105 Resp: 1728113

Ion Ratio Lower Upper

105 100

120 27.2 21.4 32.2

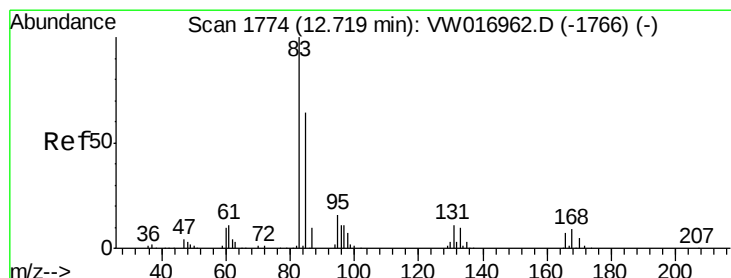
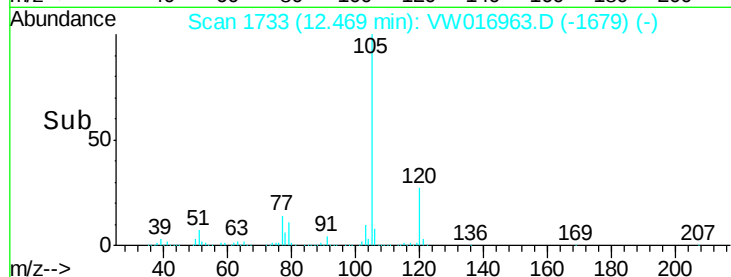
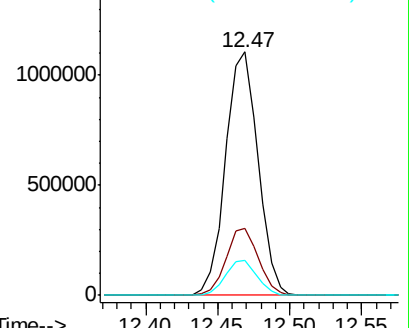
77 14.2 11.4 17.2



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: 53.942 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW016963.D

Acq: 22 Oct 2020 11:15

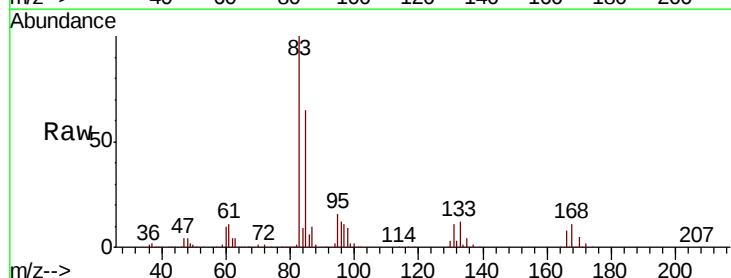
Tgt Ion: 83 Resp: 273676

Ion Ratio Lower Upper

83 100

85 65.2 45.1 83.7

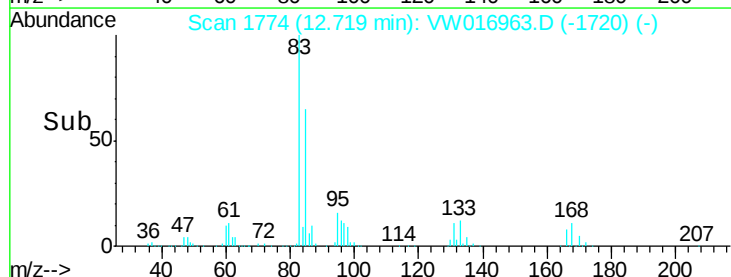
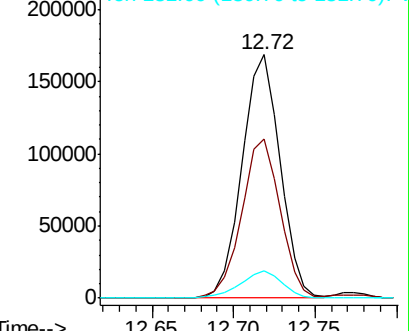
131 11.3 9.1 13.7

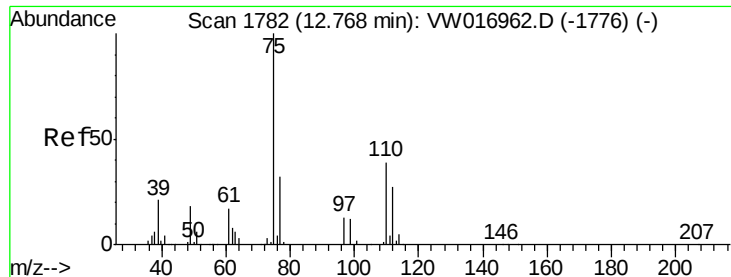


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 53.122 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.01 min

Lab File: VW016963.D

Acq: 22 Oct 2020 11:15

Instrument :

MSVOA_W

ClientSampleId :

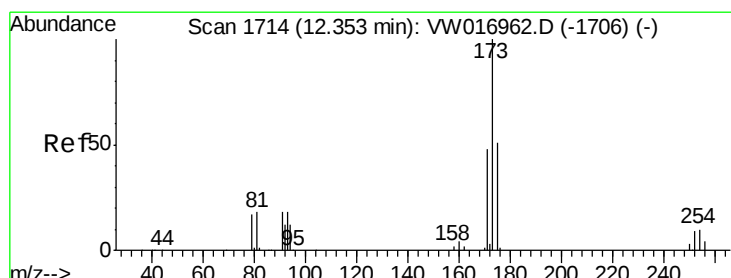
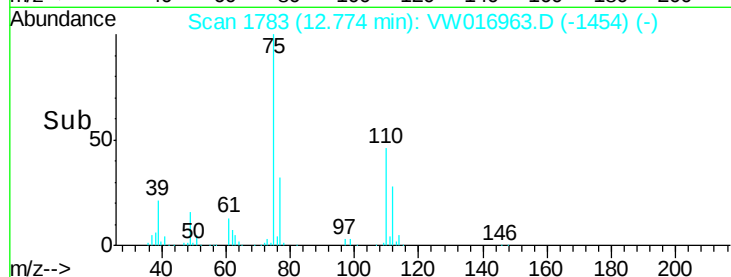
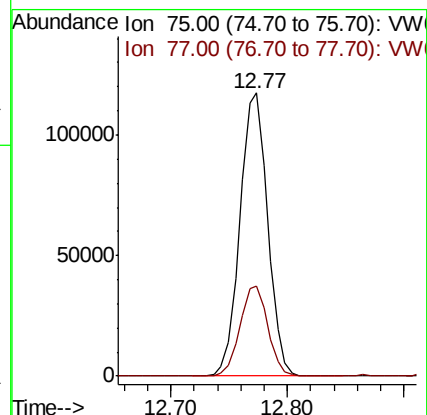
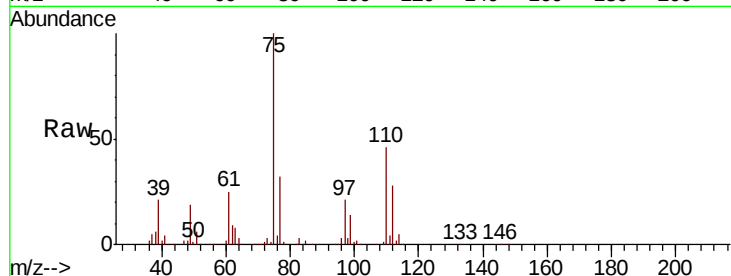
VSTD05006

Tot Ion: 75 Resp: 195168

Ion Ratio Lower Upper

75 100

77 31.9 25.8 38.8



#62

Bromoform

Concen: 55.737 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW016963.D

Acq: 22 Oct 2020 11:15

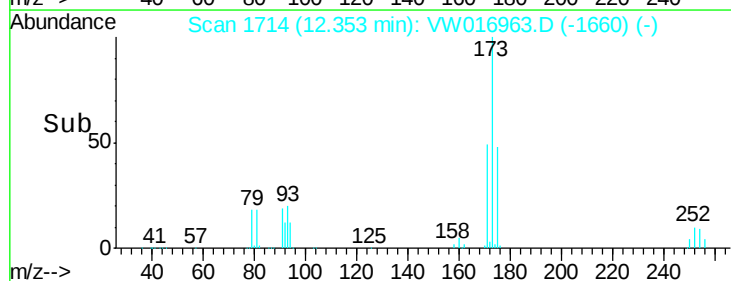
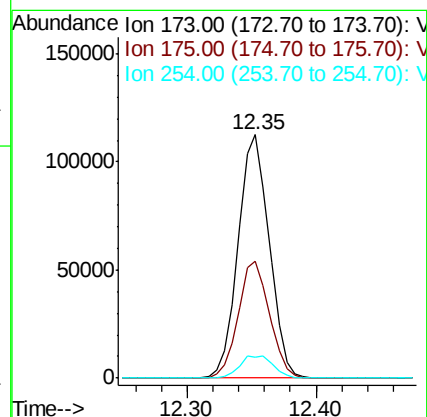
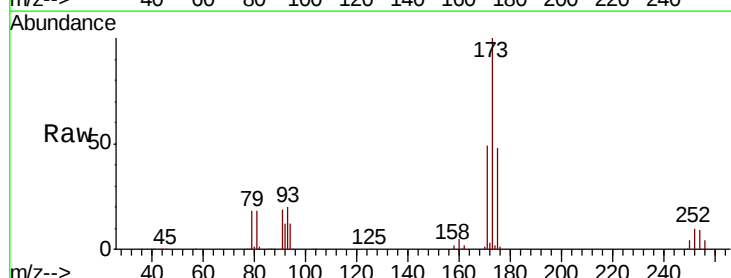
Tgt Ion: 173 Resp: 188685

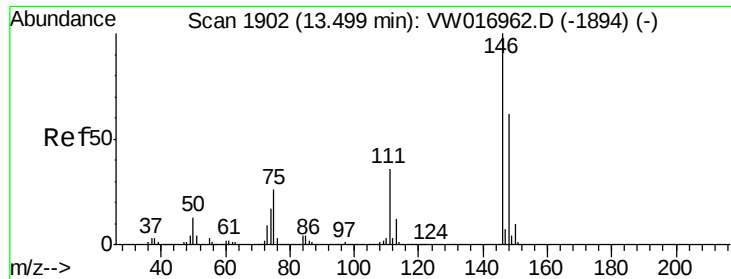
Ion Ratio Lower Upper

173 100

175 48.1 38.3 57.5

254 9.8 7.8 11.6

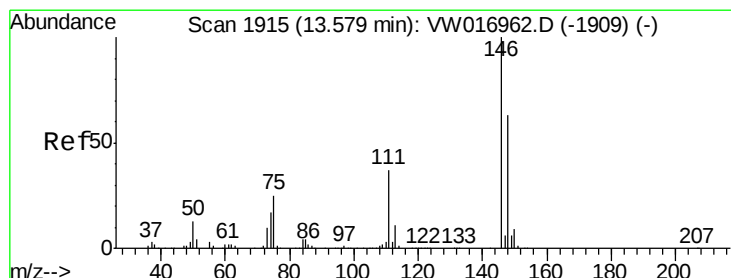
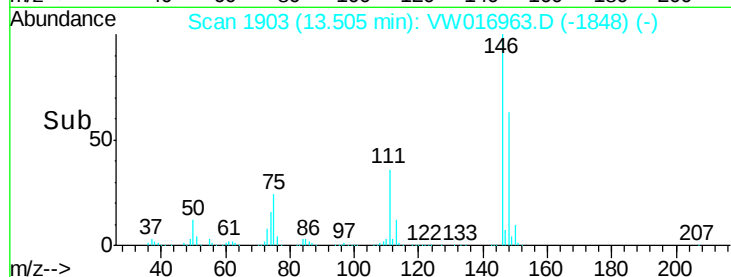
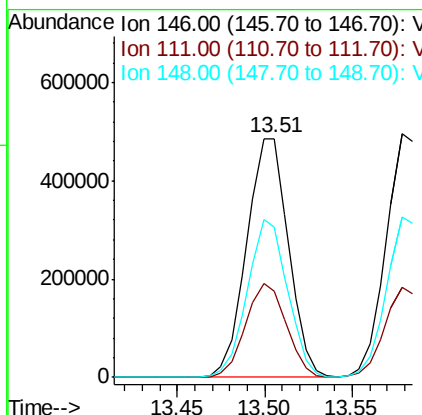
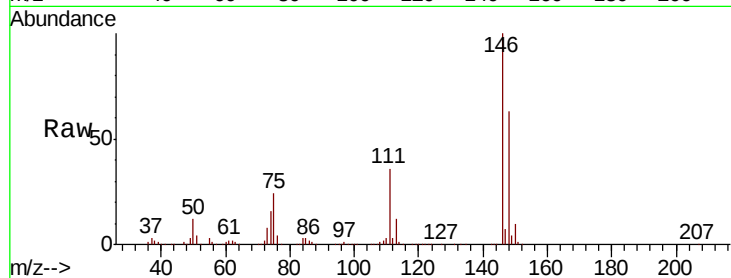




#63
 1,3-Dichlorobenzene
 Concen: 52.505 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW016963.D
 Acq: 22 Oct 2020 11:15

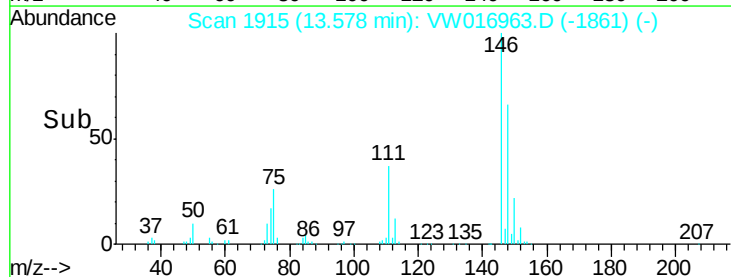
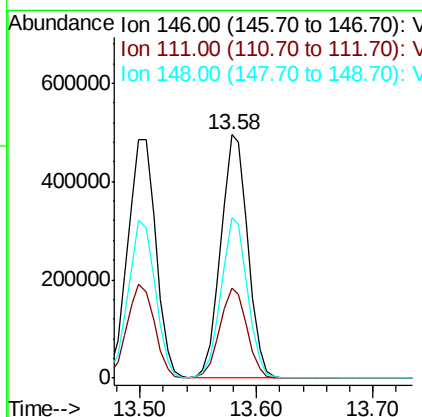
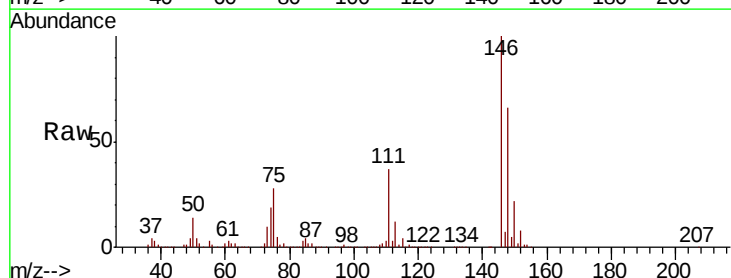
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05006

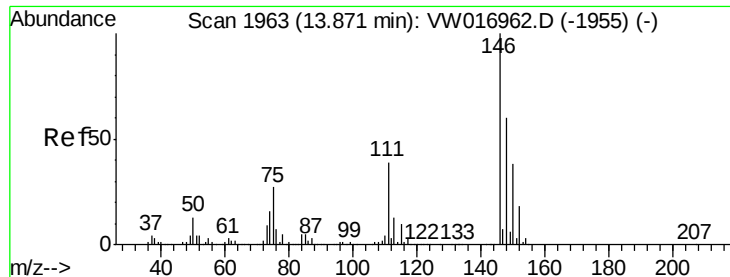
Tot Ion:146 Resp: 806826
 Ion Ratio Lower Upper
 146 100
 111 36.1 25.5 47.3
 148 62.9 43.1 80.1



#64
 1,4-Dichlorobenzene
 Concen: 51.356 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW016963.D
 Acq: 22 Oct 2020 11:15

Tgt Ion:146 Resp: 791188
 Ion Ratio Lower Upper
 146 100
 111 37.1 25.7 47.7
 148 65.9 44.3 82.3





#65

1,2-Dichlorobenzene

Concen: 52.684 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW016963.D

Acq: 22 Oct 2020 11:15

Instrument :

MSVOA_W

ClientSampleId :

VSTD05006

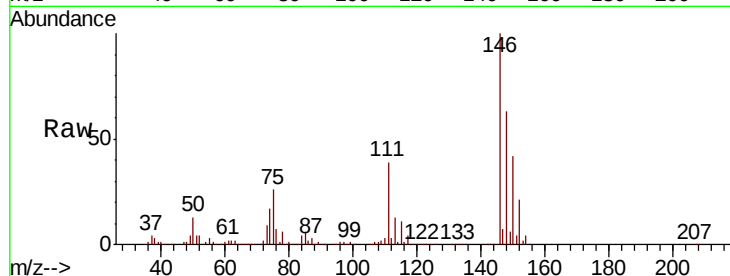
Tot Ion:146 Resp: 724160

Ion Ratio Lower Upper

146 100

111 38.8 31.4 47.0

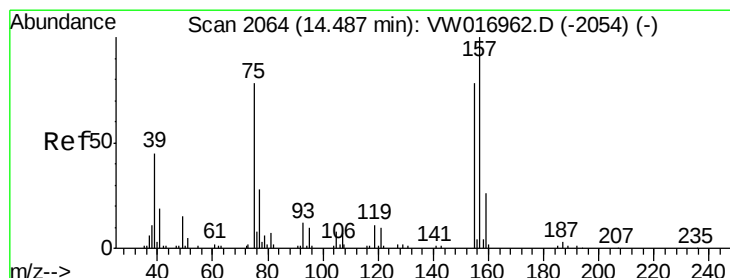
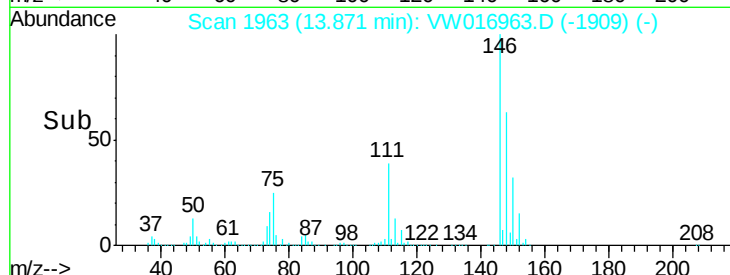
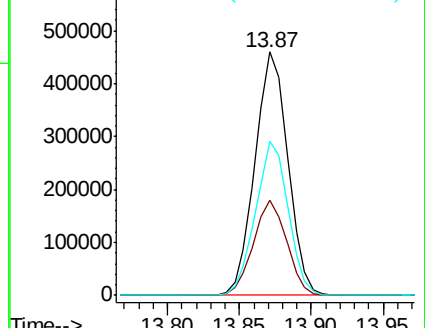
148 63.2 47.7 71.5



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



#66

1,2-Dibromo-3-chloropropane

Concen: 52.679 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW016963.D

Acq: 22 Oct 2020 11:15

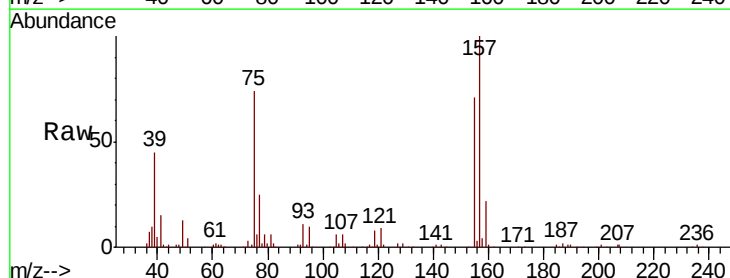
Tgt Ion: 75 Resp: 42897

Ion Ratio Lower Upper

75 100

157 135.1 102.5 153.7

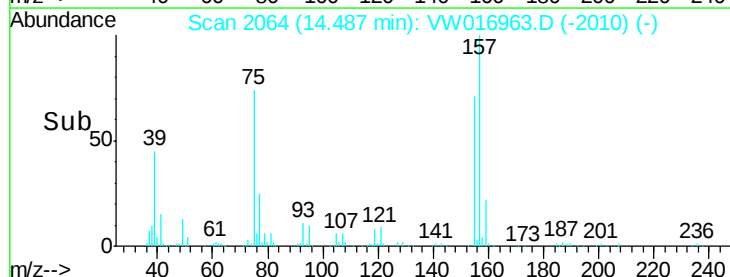
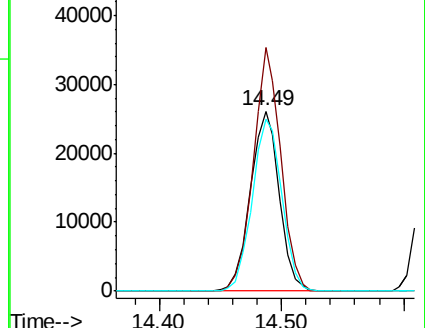
155 95.7 80.3 120.5

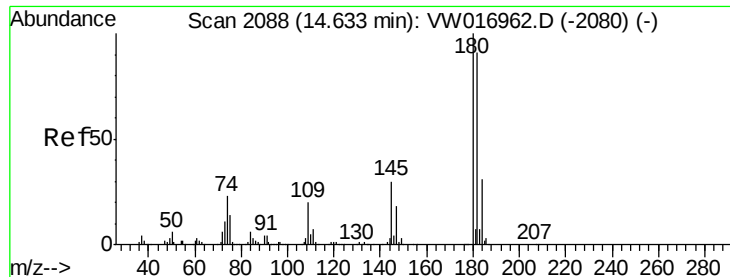


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

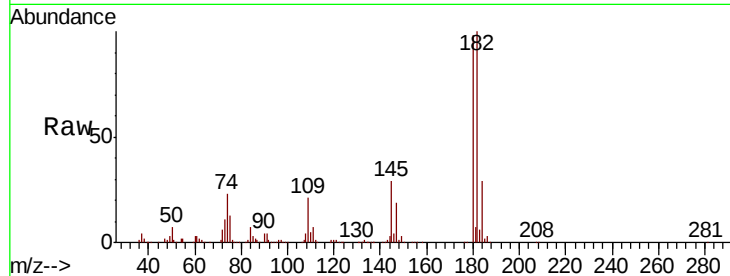




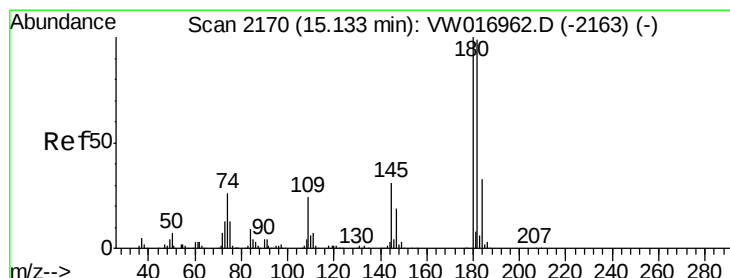
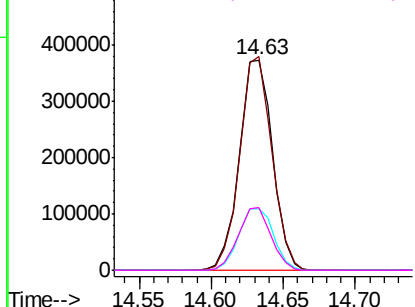
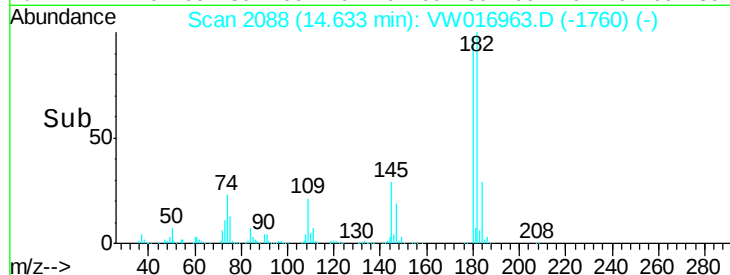
#67
 1,3,5-Trichlorobenzene
 Concen: 52.229 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW016963.D
 Acq: 22 Oct 2020 11:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05006

Tot Ion:180	Resp:	596221
Ion Ratio	Lower	Upper
180	100	
182	98.6	77.4 116.0
184	30.8	24.8 37.2
145	29.4	23.4 35.2

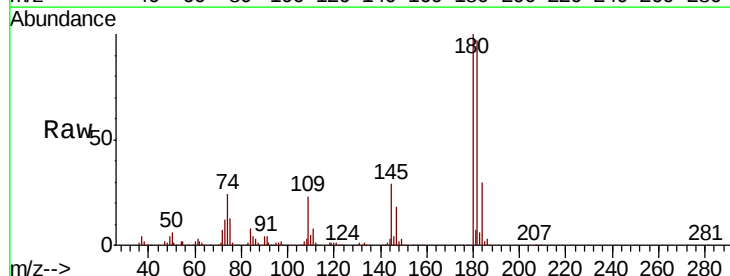


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

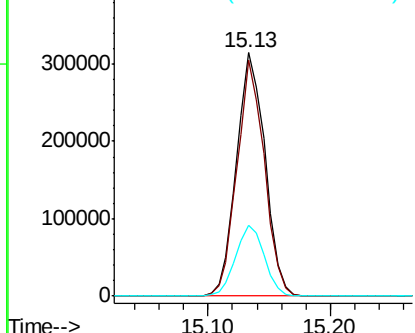
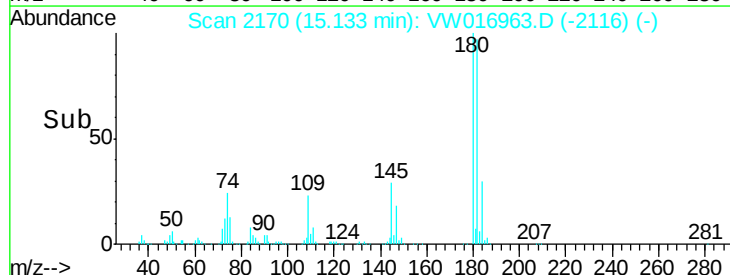


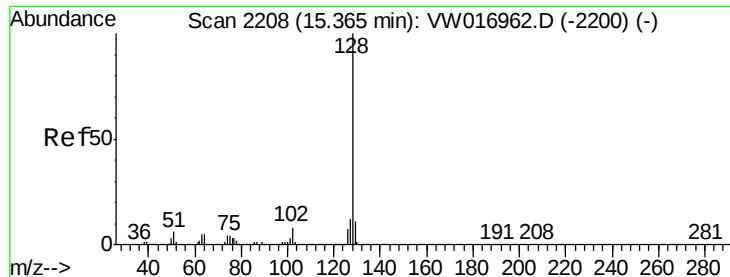
#68
 1,2,4-trichlorobenzene
 Concen: 54.709 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW016963.D
 Acq: 22 Oct 2020 11:15

Tgt Ion:180	Resp:	508310
Ion Ratio	Lower	Upper
180	100	
182	92.6	76.6 114.8
145	29.4	23.4 35.0



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: 58.894 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW016963.D

Acq: 22 Oct 2020 11:15

Instrument :

MSVOA_W

ClientSampleId :

VSTD05006

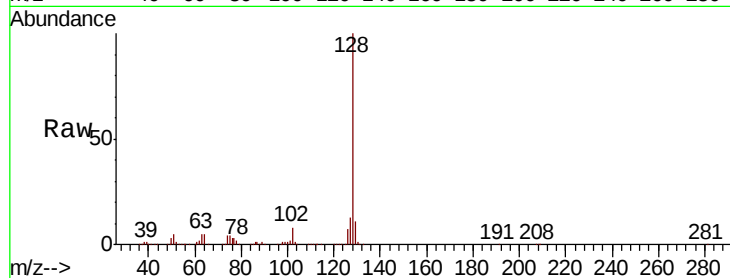
Tot Ion:128 Resp: 894365

Ion Ratio Lower Upper

128 100

129 11.0 8.6 12.8

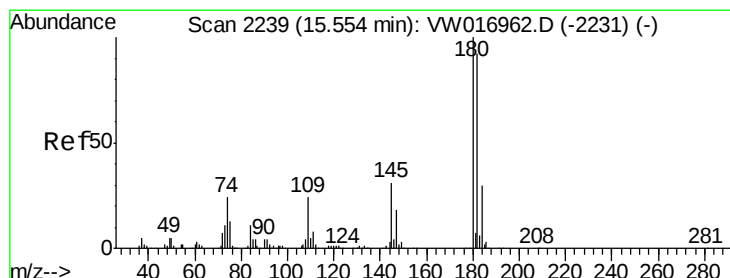
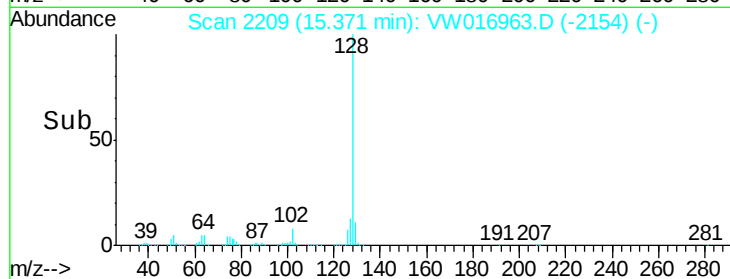
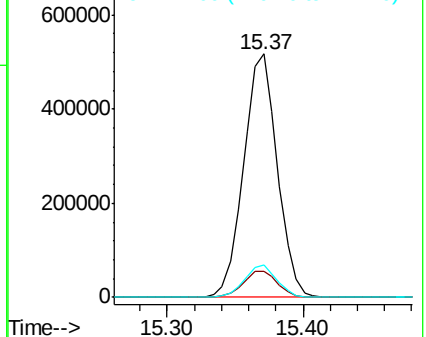
127 12.9 10.0 15.0



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: 54.100 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW016963.D

Acq: 22 Oct 2020 11:15

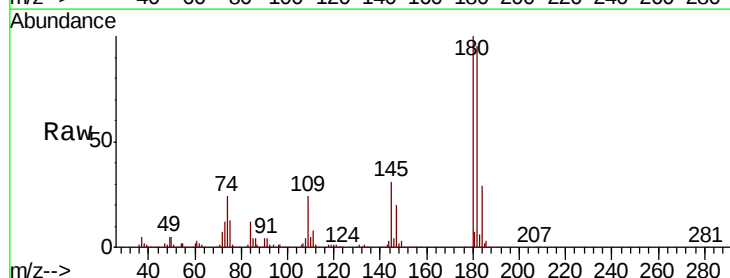
Tgt Ion:180 Resp: 430432

Ion Ratio Lower Upper

180 100

182 97.0 76.8 115.2

145 31.8 25.4 38.2



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

