

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV102220\
 Data File : VW016962.D
 Acq On : 22 Oct 2020 10:52
 Operator : SY/VA
 Sample : VSTD02505
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02505

Quant Time: Oct 22 12:05:40 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	536260	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	489939	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	244415	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	138577	26.01	ug/L	0.00
7) Chloroethane-d5	2.90	69	109474	24.67	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.03	63	280731	24.98	ug/L	0.00
20) 2-Butanone-d5	7.09	46	49217	41.84	ug/L	0.00
24) Chloroform-d	7.65	84	278730	24.56	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	126393	23.25	ug/L	0.00
29) Benzene-d6	8.28	84	560312	25.09	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	150274	24.94	ug/L	0.00
37) Toluene-d8	10.32	98	531802	25.21	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	64430	24.50	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	42274	46.49	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	110709	23.14	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	189984	24.45	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	160866	25.387	ug/L 100
3) Chloromethane	2.22	50	127357	22.977	ug/L 100
5) Vinyl chloride	2.37	62	197603	26.730	ug/L 100
6) Bromomethane	2.79	94	131324	24.406	ug/L 100
8) Chloroethane	2.93	64	114500	25.331	ug/L 100
9) Trichlorofluoromethane	3.27	101	158290	27.487	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	189656	26.118	ug/L 100
12) 1,1-Dichloroethene	4.04	96	177804	25.594	ug/L 100
13) Acetone	4.14	43	35146	39.550	ug/L 100
14) Carbon disulfide	4.39	76	532227	26.501	ug/L 100
15) Methyl Acetate	4.68	43	47237	22.161	ug/L 100
16) Methylene chloride	4.92	84	166451	22.450	ug/L 100
17) Methyl tert-butyl Ether	5.43	73	188311	24.334	ug/L 100
18) trans-1,2-Dichloroethene	5.43	96	186729	25.628	ug/L 100
19) 1,1-Dichloroethane	6.22	63	284297	25.363	ug/L 100
21) 2-Butanone	7.18	43	60011	39.957	ug/L 100
22) cis-1,2-Dichloroethene	7.17	96	187235	25.192	ug/L 100
23) Bromochloromethane	7.52	128	84996	24.463	ug/L 100
25) Chloroform	7.68	83	301644	24.960	ug/L 100
27) 1,2-Dichloroethane	8.40	62	165694	23.281	ug/L 100
30) Cyclohexane	7.96	56	266889	26.184	ug/L 100
31) 1,1,1-Trichloroethane	7.88	97	271029	25.829	ug/L 100
32) Carbon tetrachloride	8.07	117	256038	25.266	ug/L 100
34) Benzene	8.33	78	672700	25.494	ug/L 100
35) Trichloroethene	9.10	95	187475	25.212	ug/L 100
36) Methylcyclohexane	9.34	83	326393	25.964	ug/L 100
40) 1,2-Dichloropropane	9.37	63	150685	25.234	ug/L 100
41) Bromodichloromethane	9.65	83	205390	24.620	ug/L 100
42) cis-1,3-Dichloropropene	10.08	75	239300	25.258	ug/L 100
43) 4-Methyl-2-pentanone	10.21	43	134858	45.769	ug/L 100

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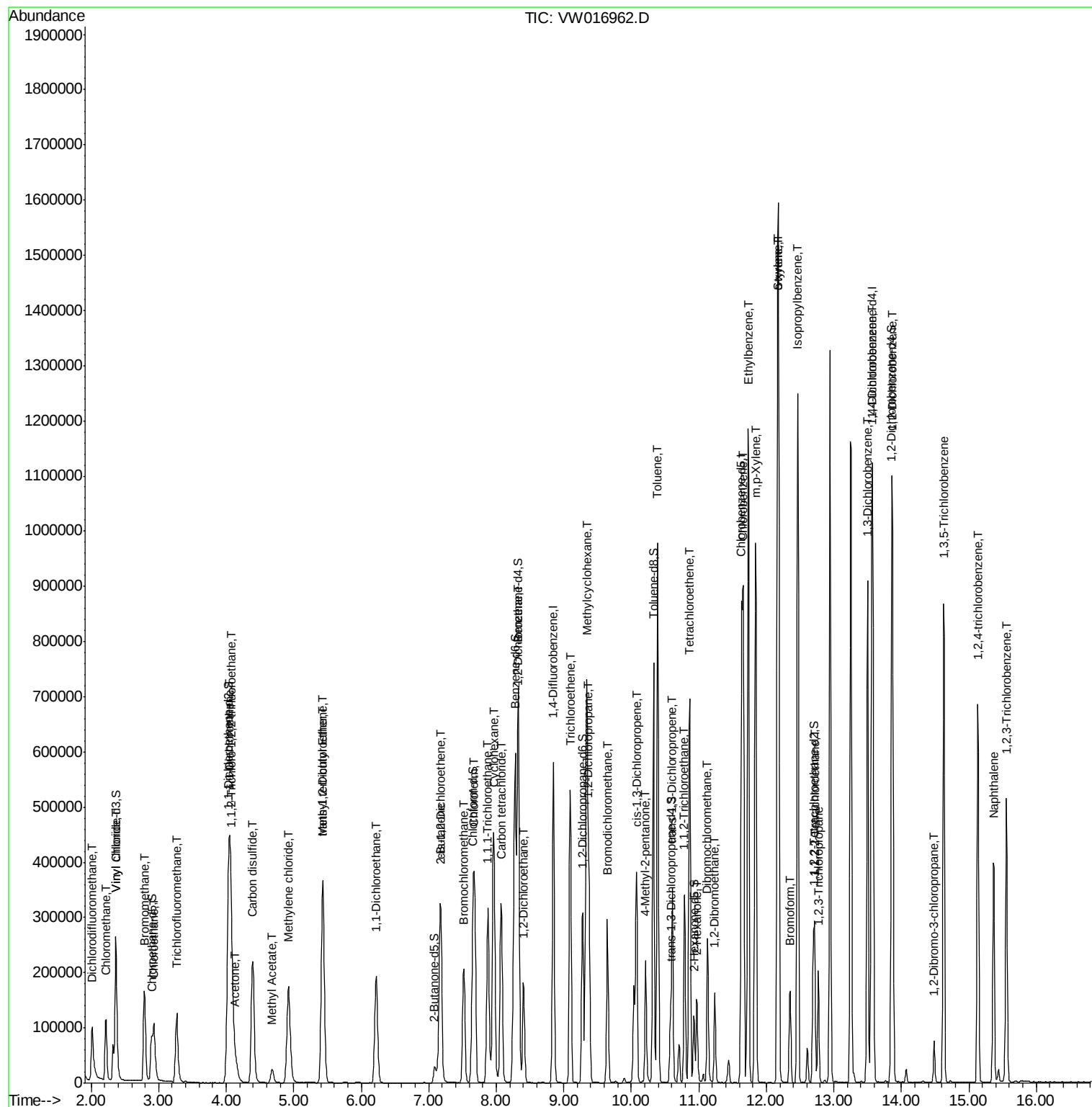
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	745304	25.453	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	197962	24.916	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	116902	24.226	ug/L	100
47) Tetrachloroethene	10.87	164	171384	24.836	ug/L	100
49) 2-Hexanone	10.97	43	88175	45.594	ug/L	100
50) Dibromochloromethane	11.13	129	145829	24.439	ug/L	100
51) 1,2-Dibromoethane	11.24	107	110266	23.471	ug/L	100
52) Chlorobenzene	11.66	112	487032	24.887	ug/L	100
53) Ethylbenzene	11.73	91	843312	25.629	ug/L	100
54) m,p-Xylene	11.84	106	334104	26.124	ug/L	100
55) o-xylene	12.17	106	302378	25.006	ug/L	100
56) Styrene	12.18	104	518016	25.726	ug/L	100
57) Isopropylbenzene	12.47	105	863529	25.887	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	124388	23.560	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	88174	23.063	ug/L	100
62) Bromoform	12.35	173	83382	24.263	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	394817	25.309	ug/L	100
64) 1,4-Dichlorobenzene	13.58	146	389666	24.915	ug/L	100
65) 1,2-Dichlorobenzene	13.87	146	346845	24.857	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.49	75	17604	21.295	ug/L	100
67) 1,3,5-Trichlorobenzene	14.63	180	291445	25.149	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	231924	24.589	ug/L	100
69) Naphthalene	15.36	128	367597	23.845	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	196479	24.326	ug/L	100

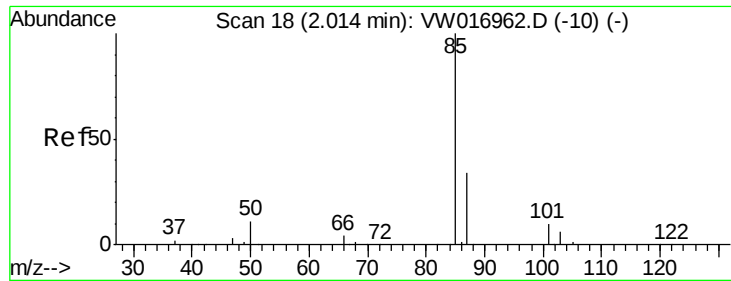
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 25.387 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW016962.D

Acq: 22 Oct 2020 10:52

Instrument :

MSVOA_W

ClientSampleId :

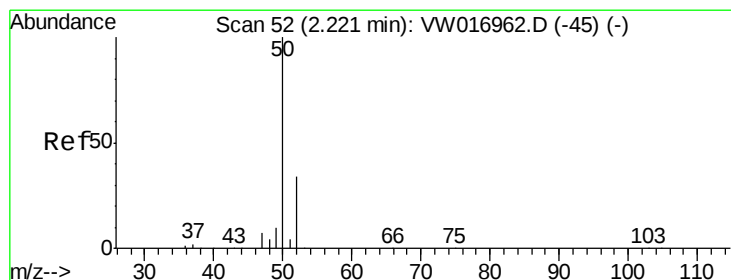
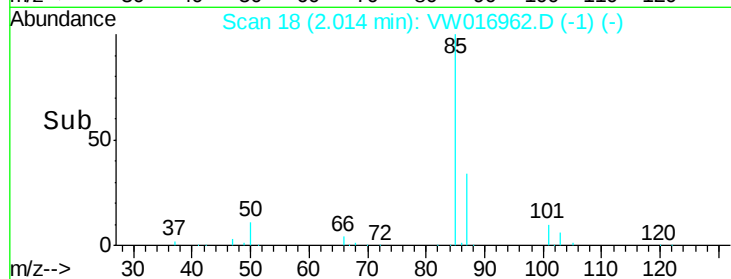
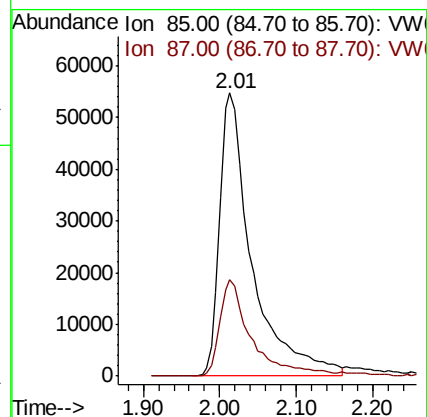
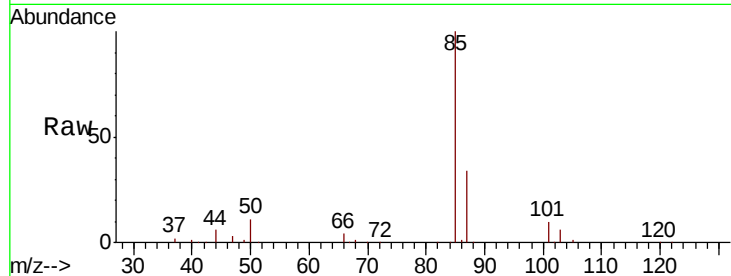
VSTD02505

Tot Ion: 85 Resp: 160866

Ion Ratio Lower Upper

85 100

87 32.0 22.4 41.6



#3

Chloromethane

Concen: 22.977 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.00 min

Lab File: VW016962.D

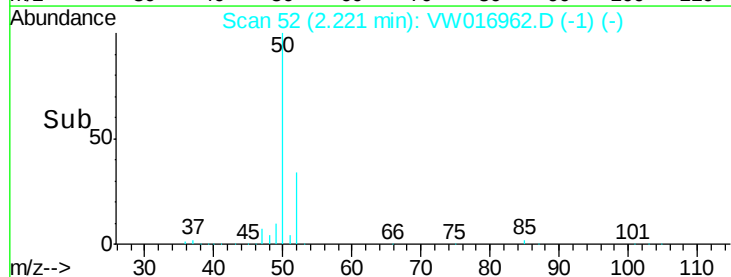
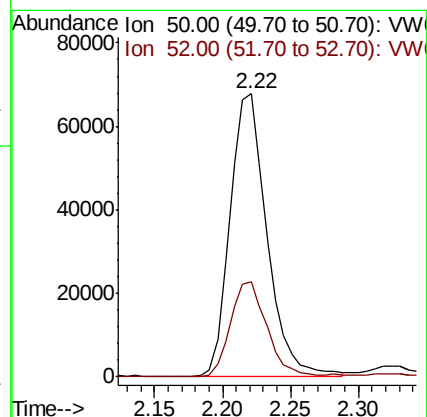
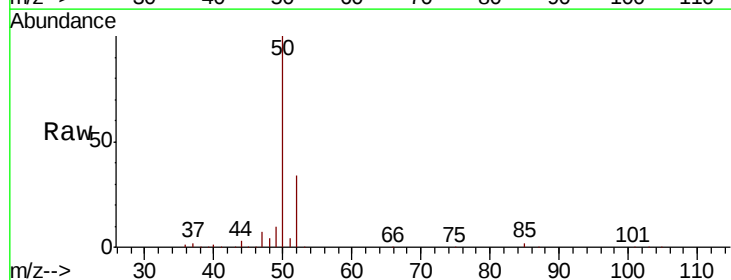
Acq: 22 Oct 2020 10:52

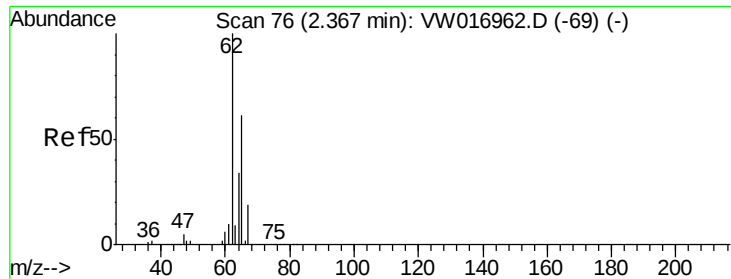
Tgt Ion: 50 Resp: 127357

Ion Ratio Lower Upper

50 100

52 33.6 23.5 43.7





#5

Vinyl chloride

Concen: 26.730 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW016962.D

Acq: 22 Oct 2020 10:52

Instrument :

MSVOA_W

ClientSampleId :

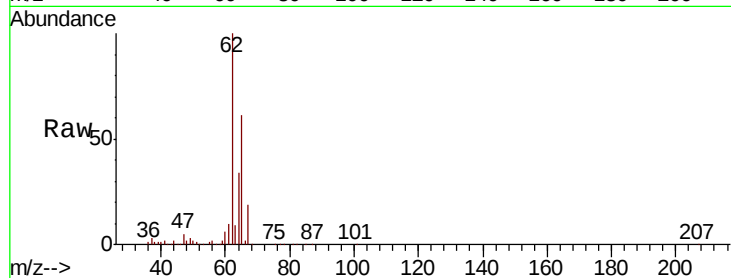
VSTD02505

Tot Ion: 62 Resp: 197603

Ion Ratio Lower Upper

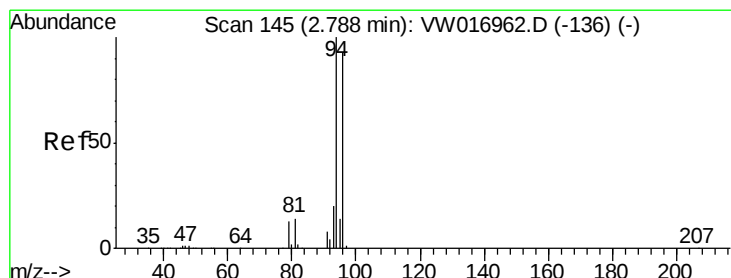
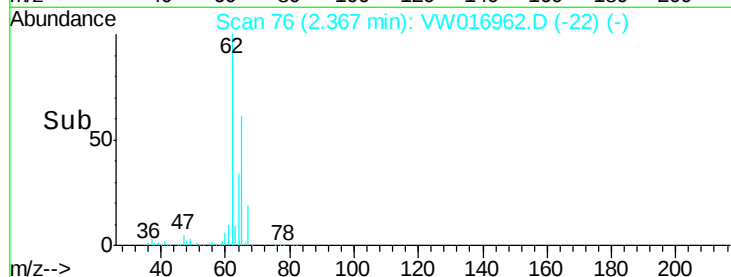
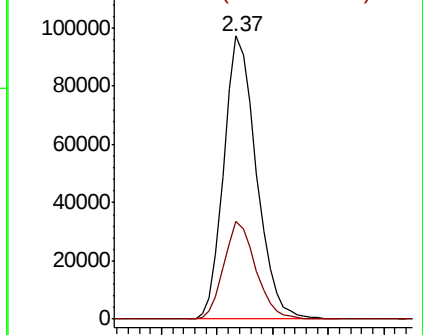
62 100

64 34.4 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#6

Bromomethane

Concen: 24.406 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW016962.D

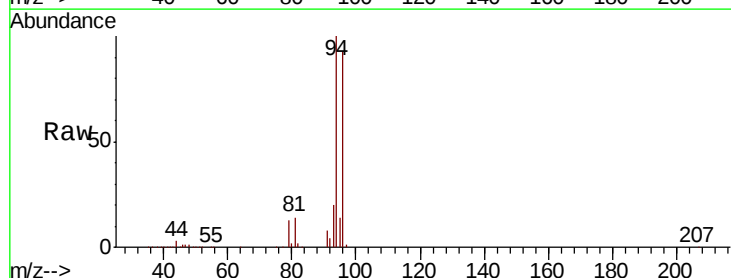
Acq: 22 Oct 2020 10:52

Tgt Ion: 94 Resp: 131324

Ion Ratio Lower Upper

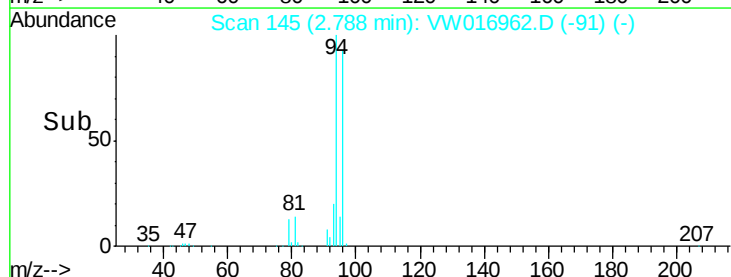
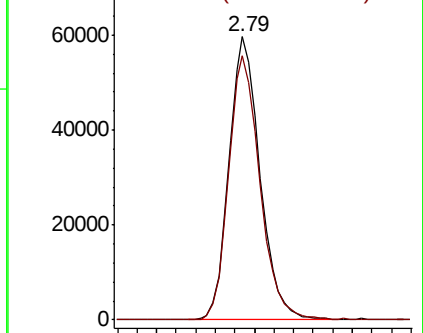
94 100

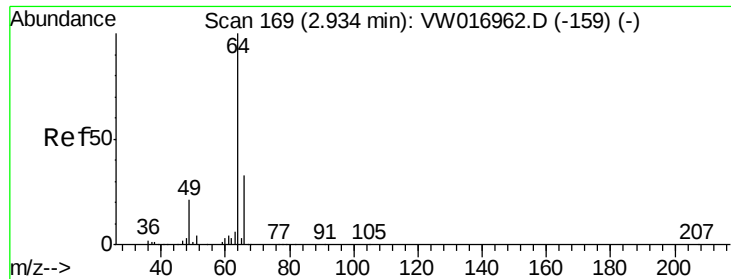
96 94.1 9.4 178.8



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW





#8

Chloroethane

Concen: 25.331 ug/L

RT: 2.93 min Scan# 169

Delta R.T. 0.00 min

Lab File: VW016962.D

Acq: 22 Oct 2020 10:52

Instrument :

MSVOA_W

ClientSampleId :

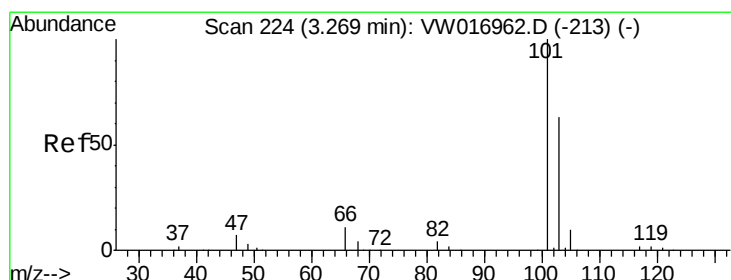
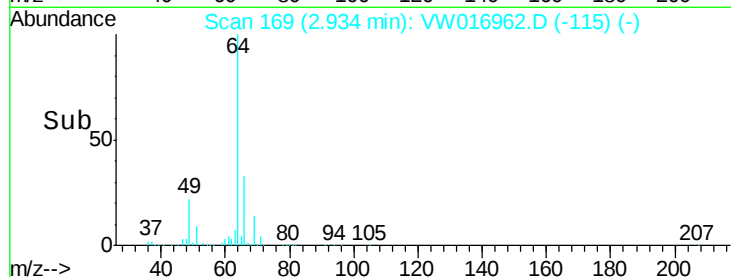
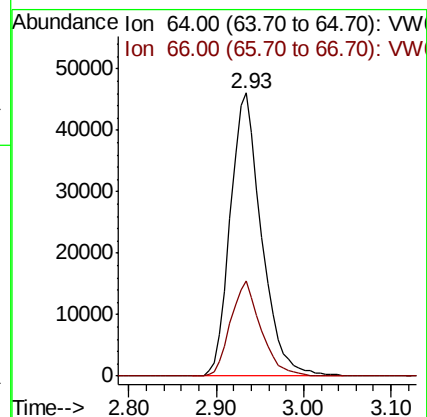
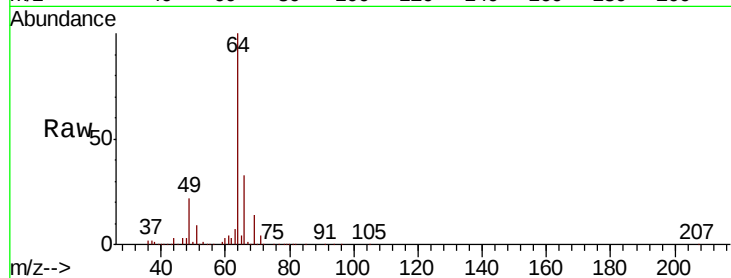
VSTD02505

Tot Ion: 64 Resp: 114500

Ion Ratio Lower Upper

64 100

66 33.5 23.4 43.6



#9

Trichlorofluoromethane

Concen: 27.487 ug/L

RT: 3.27 min Scan# 224

Delta R.T. 0.00 min

Lab File: VW016962.D

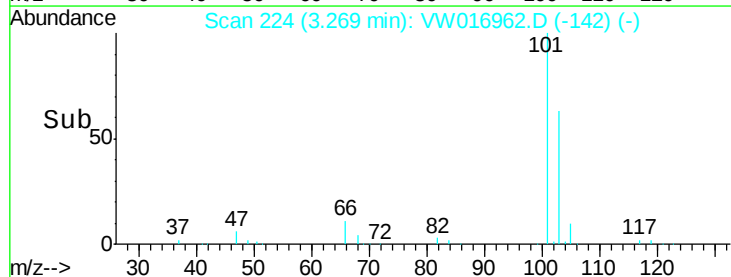
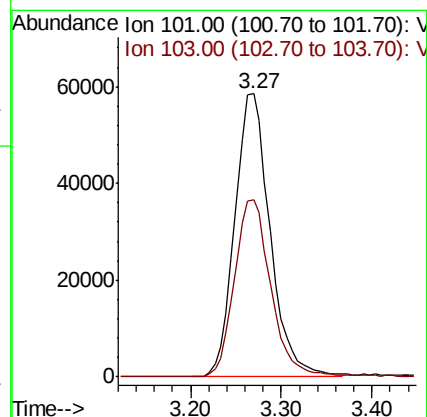
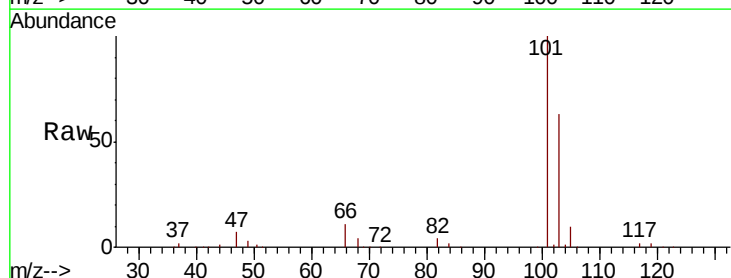
Acq: 22 Oct 2020 10:52

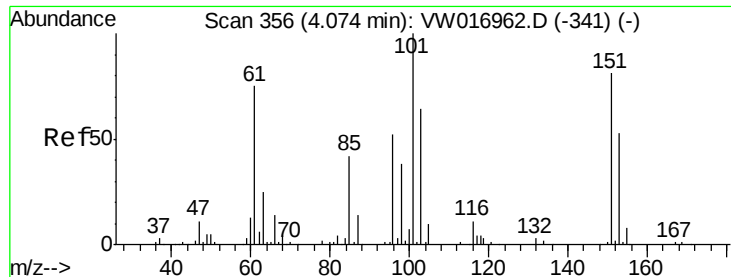
Tgt Ion: 101 Resp: 158290

Ion Ratio Lower Upper

101 100

103 64.2 44.9 83.5





#11

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

Concen: 26.118 ug/L

RT: 4.07 min Scan# 356

Delta R.T. 0.00 min

Lab File: VW016962.D

Acq: 22 Oct 2020 10:52

Instrument :

MSVOA_W

ClientSampleId :

VSTD02505

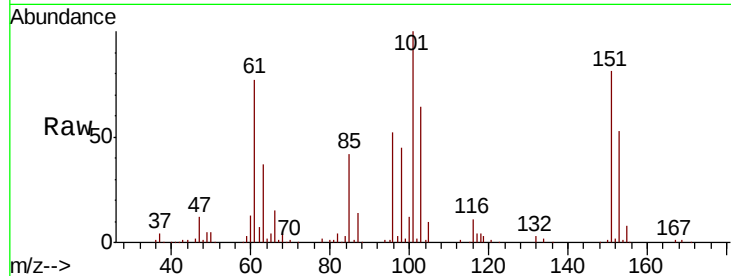
Tot Ion:101 Resp: 189656

Ion Ratio Lower Upper

101 100

85 40.6 32.5 48.7

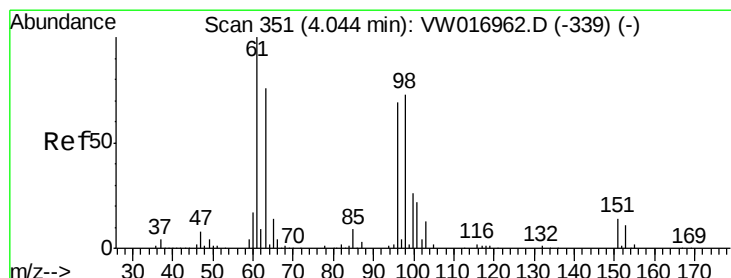
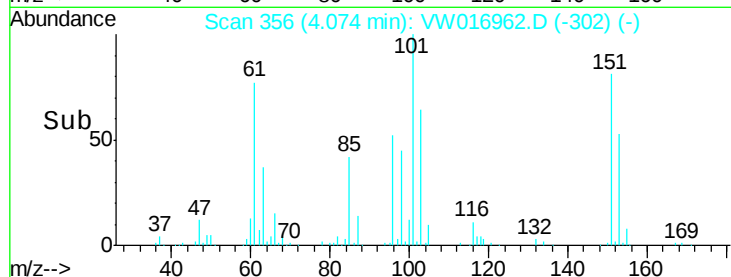
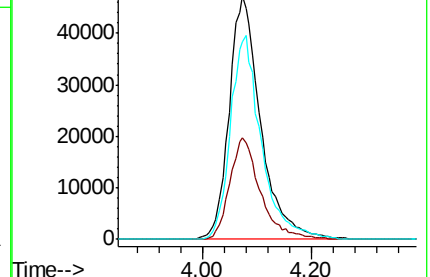
151 82.1 65.7 98.5



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: 25.594 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.00 min

Lab File: VW016962.D

Acq: 22 Oct 2020 10:52

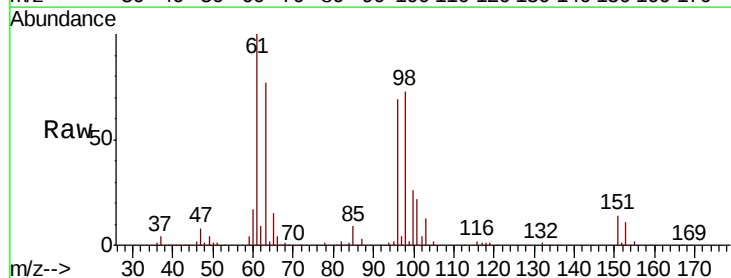
Tgt Ion: 96 Resp: 177804

Ion Ratio Lower Upper

96 100

61 144.9 101.4 188.4

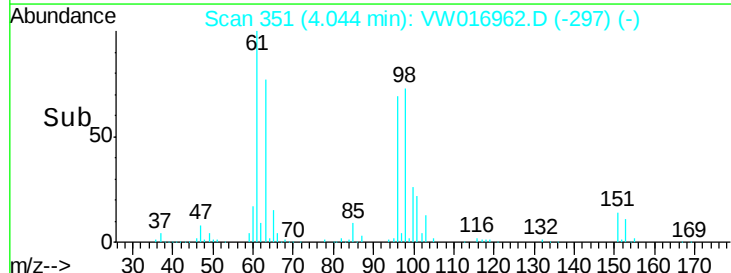
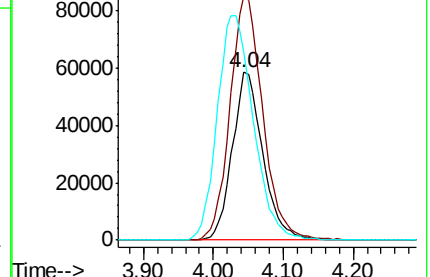
63 112.2 78.5 145.9

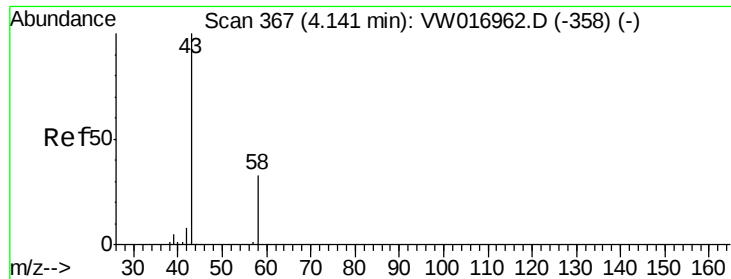


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW

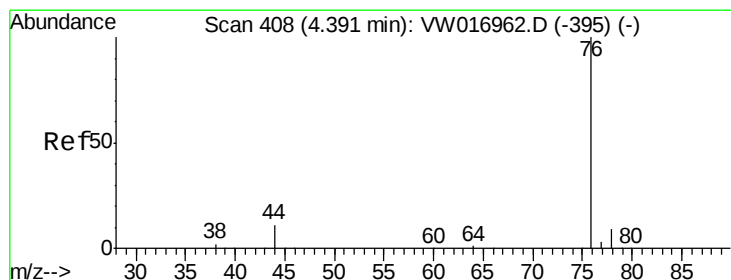
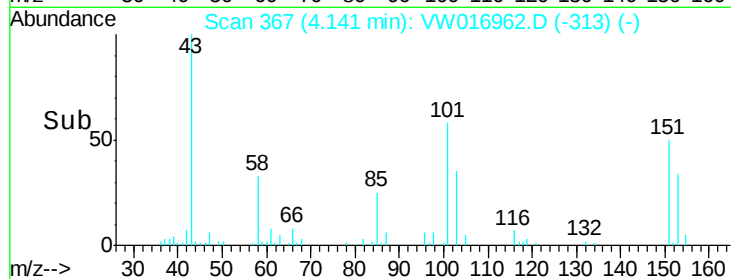
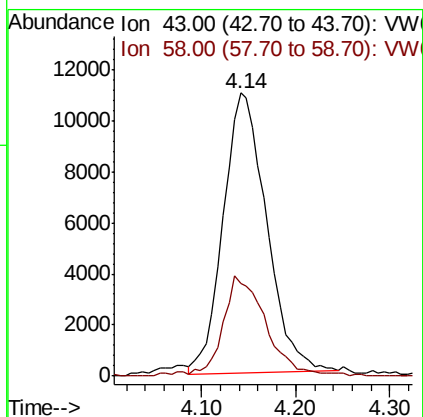
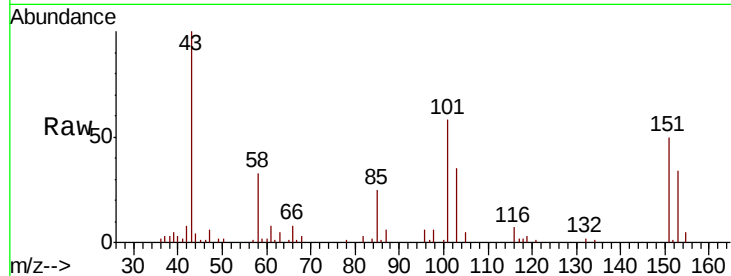




#13
Acetone
Concen: 39.550 ug/L
RT: 4.14 min Scan# 367
Delta R.T. 0.00 min
Lab File: VW016962.D
Acq: 22 Oct 2020 10:52

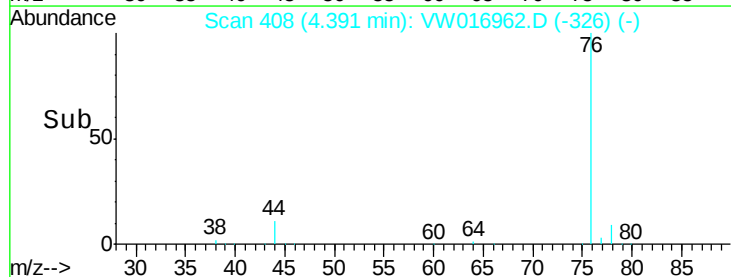
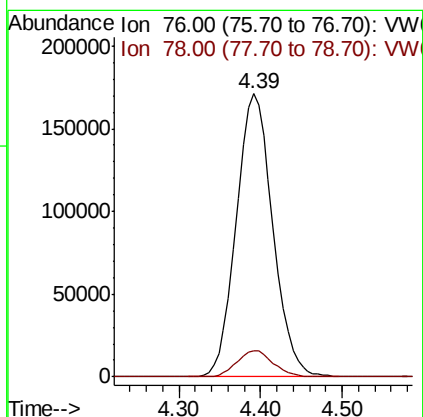
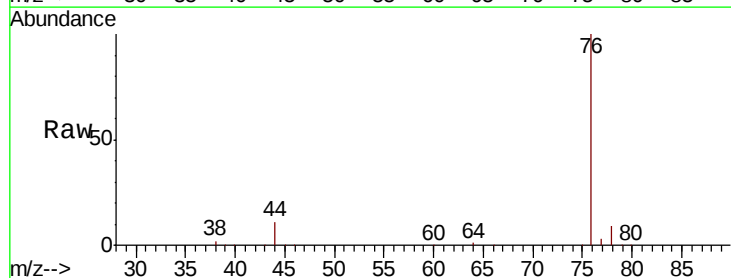
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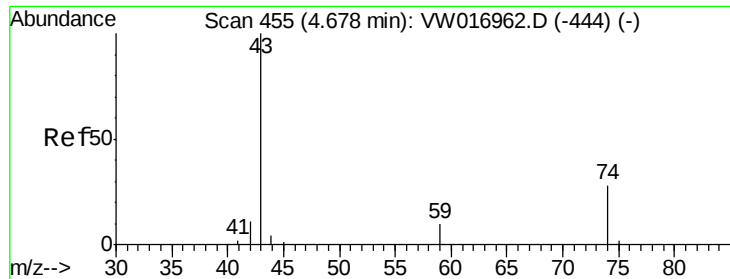
Tot Ion: 43 Resp: 35146
Ion Ratio Lower Upper
43 100
58 34.9 0.0 69.8



#14
Carbon disulfide
Concen: 26.501 ug/L
RT: 4.39 min Scan# 408
Delta R.T. 0.00 min
Lab File: VW016962.D
Acq: 22 Oct 2020 10:52

Tgt Ion: 76 Resp: 532227
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9

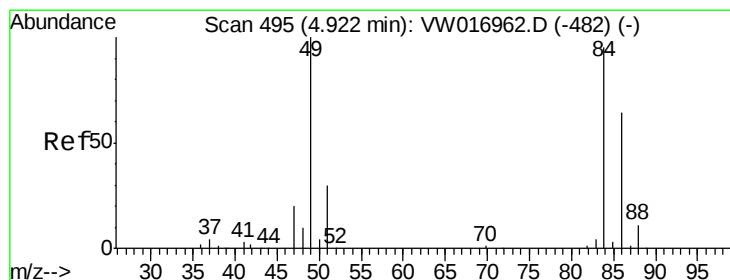
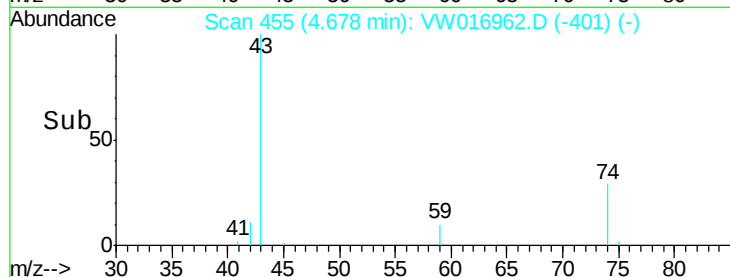
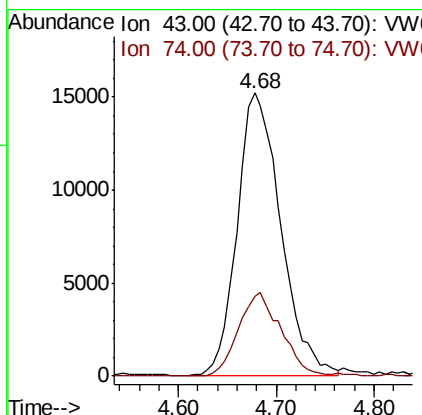
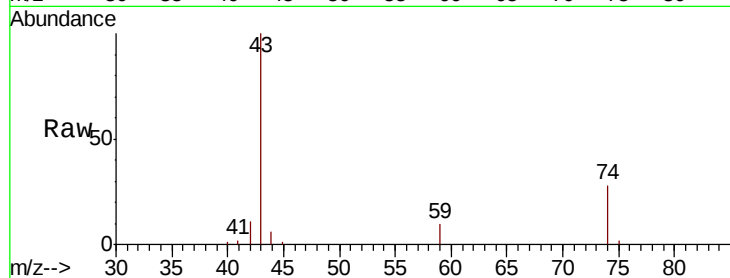




#15
Methvl Acetate
Concen: 22.161 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.00 min
Lab File: VW016962.D
Acq: 22 Oct 2020 10:52

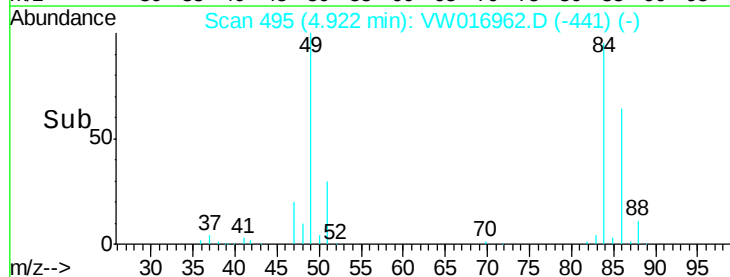
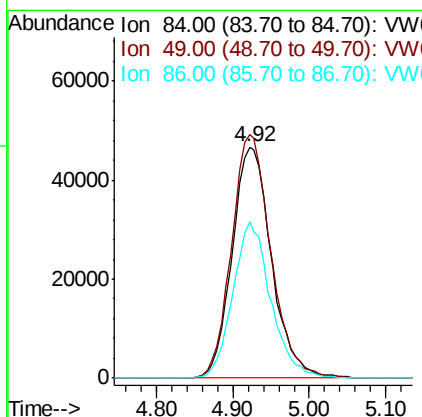
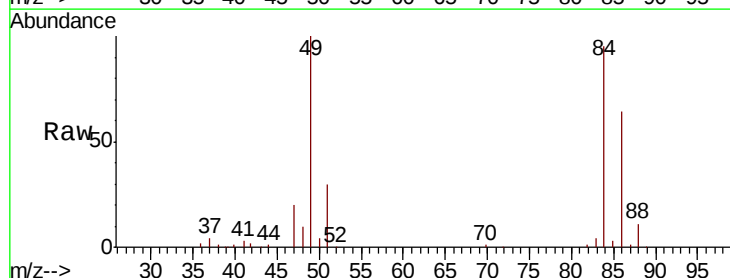
Instrument :
MSVOA_W
ClientSampleId :
VSTD02505

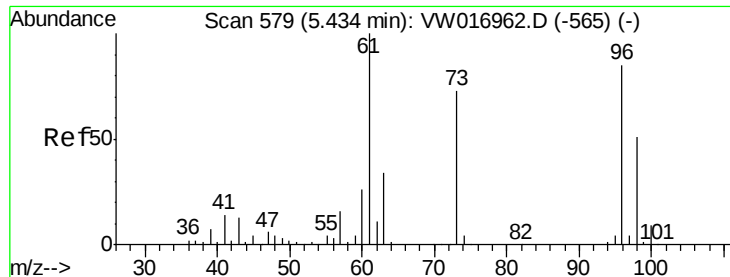
Tot Ion: 43 Resp: 47237
Ion Ratio Lower Upper
43 100
74 28.5 22.8 34.2



#16
Methylene chloride
Concen: 22.450 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW016962.D
Acq: 22 Oct 2020 10:52

Tgt Ion: 84 Resp: 166451
Ion Ratio Lower Upper
84 100
49 105.4 73.8 137.0
86 67.7 47.4 88.0





#17

Methvl tert-butvl Ether

Concen: 24.334 ug/L

RT: 5.43 min Scan# 579

Delta R.T. 0.00 min

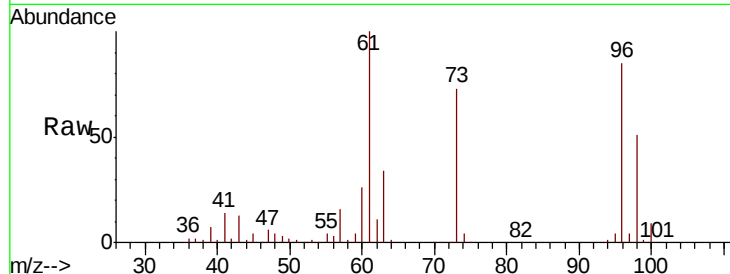
Lab File: VW016962.D

Acq: 22 Oct 2020 10:52

Instrument :
MSVOA_W
ClientSampleId :
VSTD02505

Tot Ion: 73 Resp: 188311

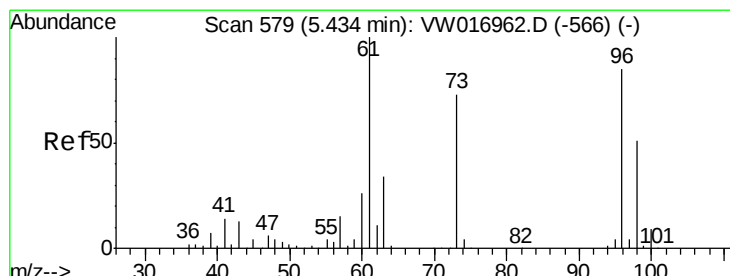
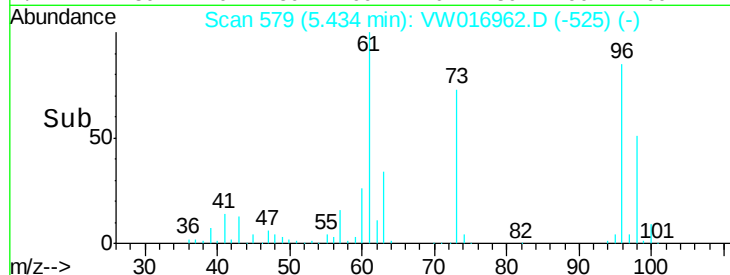
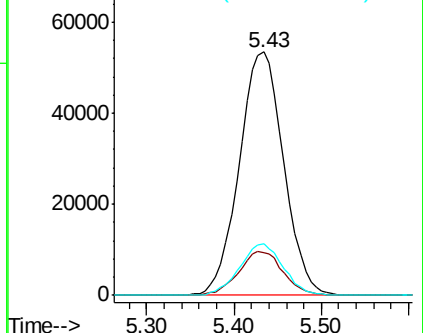
Ion	Ratio	Lower	Upper
73	100		
43	18.0	14.4	21.6
57	20.8	16.6	25.0



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: 25.628 ug/L

RT: 5.43 min Scan# 579

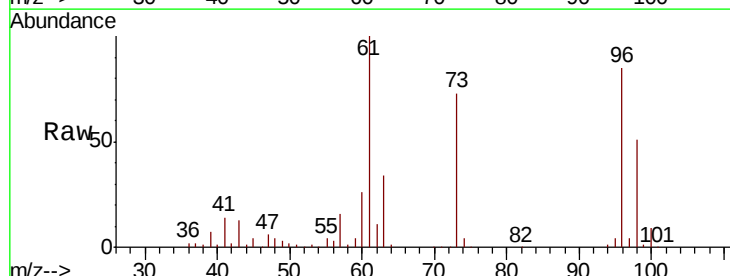
Delta R.T. 0.00 min

Lab File: VW016962.D

Acq: 22 Oct 2020 10:52

Tgt Ion: 96 Resp: 186729

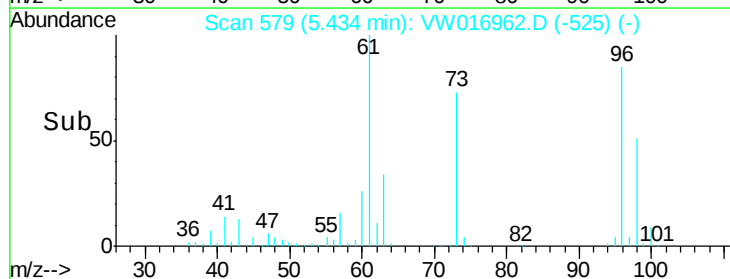
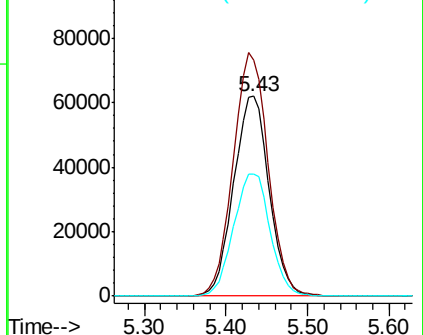
Ion	Ratio	Lower	Upper
96	100		
61	118.2	82.7	153.7
98	60.8	42.6	79.0

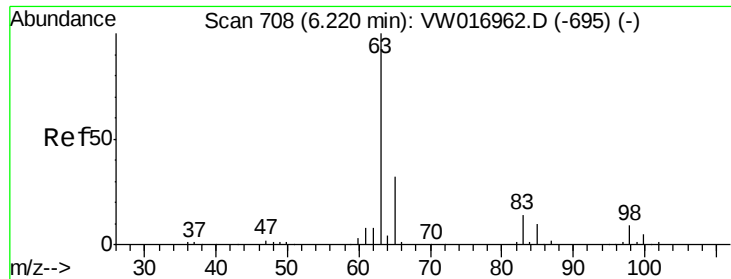


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW

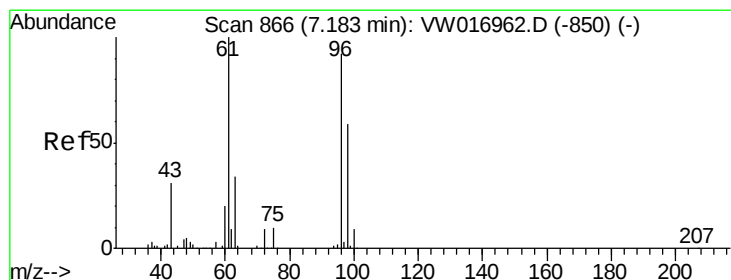
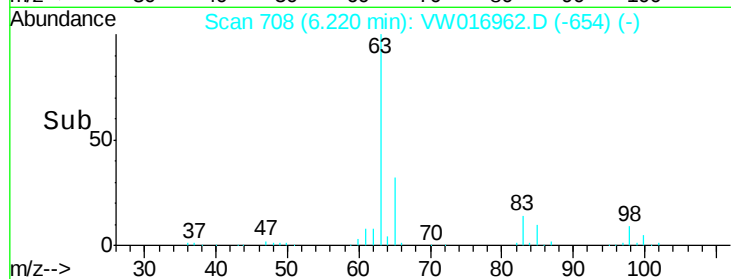
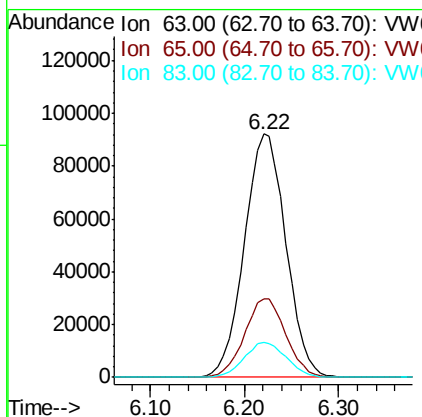
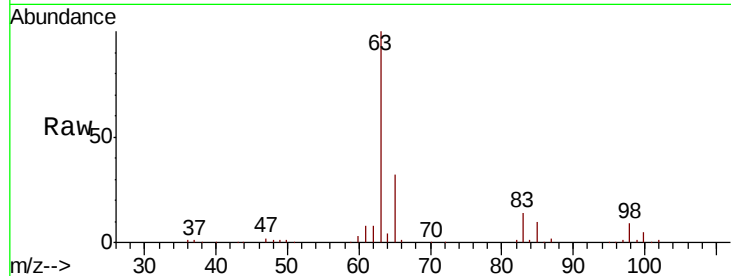




#19
 1,1-Dichloroethane
 Concen: 25.363 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: VW016962.D
 Acq: 22 Oct 2020 10:52

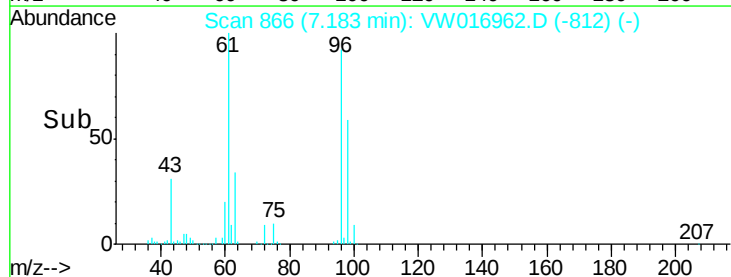
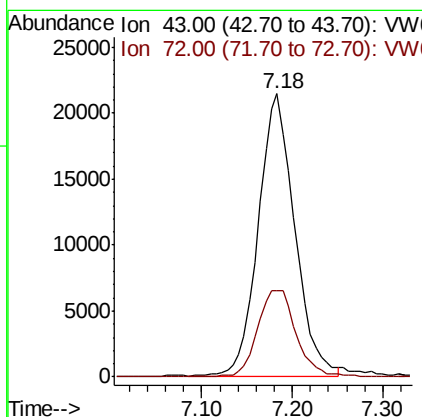
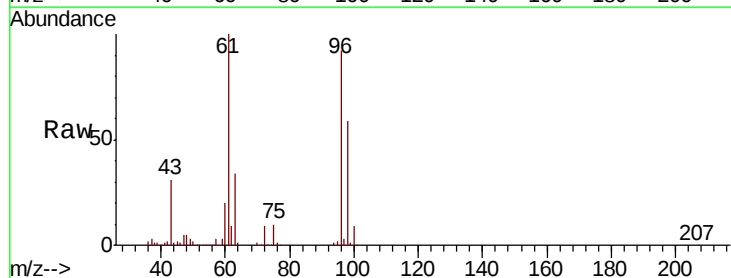
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02505

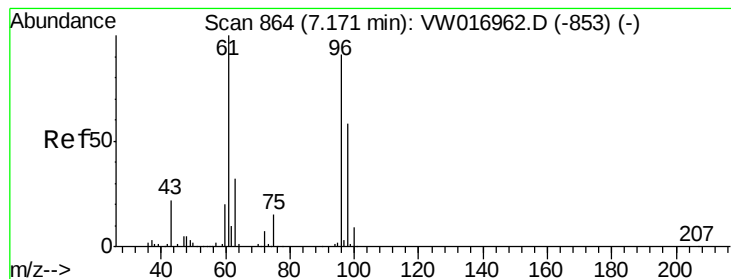
Tot Ion	63	Resp	284297
Ion Ratio	Lower	Upper	
63	100		
65	32.2	22.5	41.9
83	14.5	10.1	18.9



#21
 2-Butanone
 Concen: 39.957 ug/L
 RT: 7.18 min Scan# 866
 Delta R.T. 0.00 min
 Lab File: VW016962.D
 Acq: 22 Oct 2020 10:52

Tgt Ion	43	Resp	60011
Ion Ratio	Lower	Upper	
43	100		
72	32.1	16.1	48.2



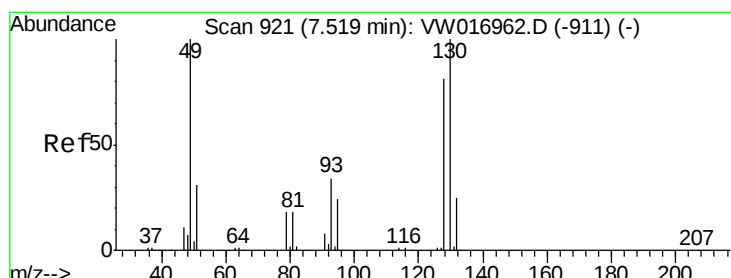
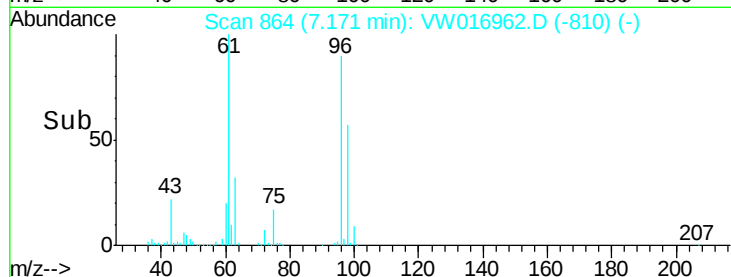
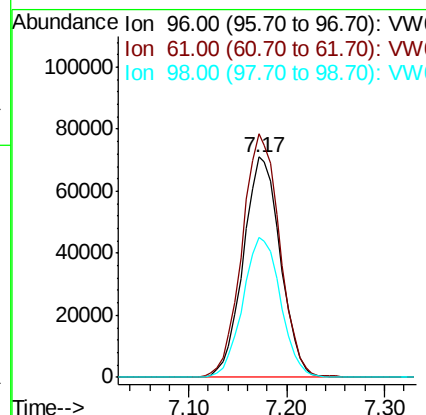
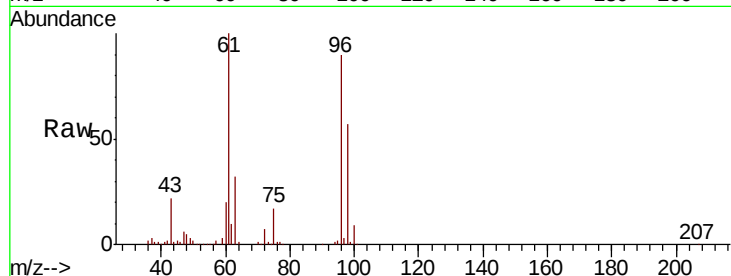


#22

cis-1,2-Dichloroethene
Concen: 25.192 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW016962.D
Acq: 22 Oct 2020 10:52

Instrument :
MSVOA_W
ClientSampleId :
VSTD02505

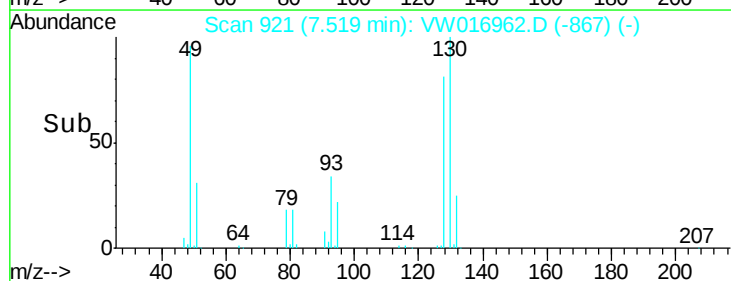
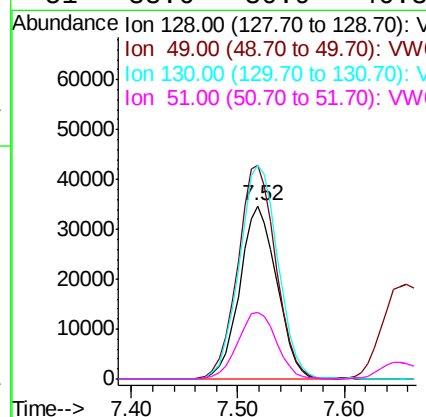
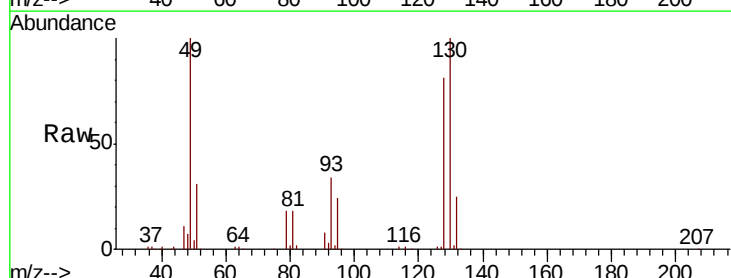
Tot Ion	96	Resp	187235
Ion	Ratio	Lower	Upper
96	100		
61	110.6	77.4	143.8
98	63.5	44.4	82.5

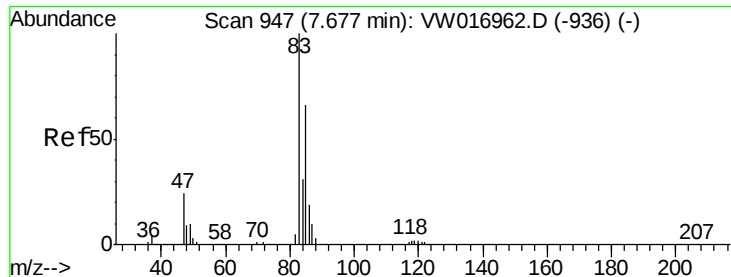


#23

Bromochloromethane
Concen: 24.463 ug/L
RT: 7.52 min Scan# 921
Delta R.T. 0.00 min
Lab File: VW016962.D
Acq: 22 Oct 2020 10:52

Tgt Ion	128	Resp	84996
Ion	Ratio	Lower	Upper
128	100		
49	123.4	86.4	160.4
130	123.4	86.4	160.4
51	38.6	30.9	46.3





#25

Chloroform

Concen: 24.960 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW016962.D

Acq: 22 Oct 2020 10:52

Instrument :

MSVOA_W

ClientSampleId :

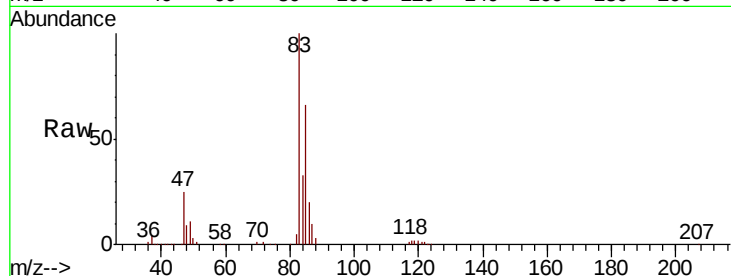
VSTD02505

Tot Ion: 83 Resp: 301644

Ion Ratio Lower Upper

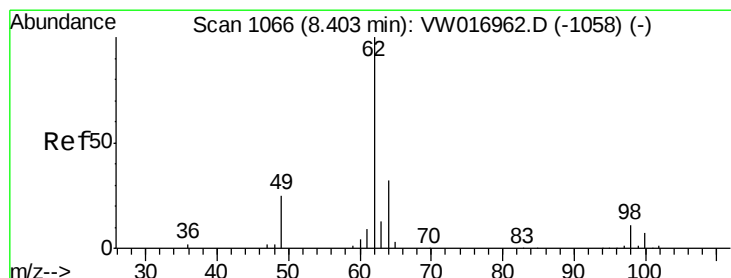
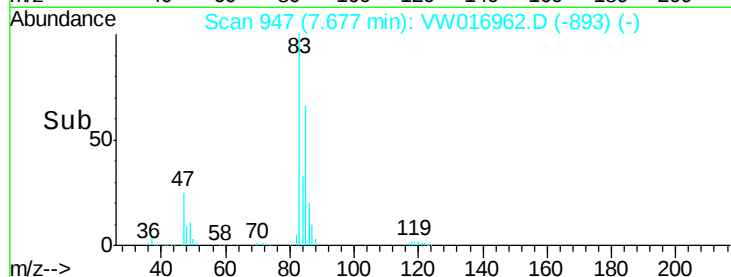
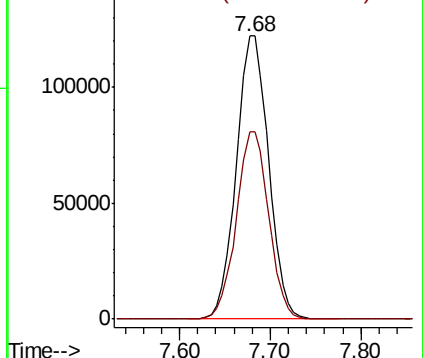
83 100

85 66.6 46.6 86.6



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#27

1,2-Dichloroethane

Concen: 23.281 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW016962.D

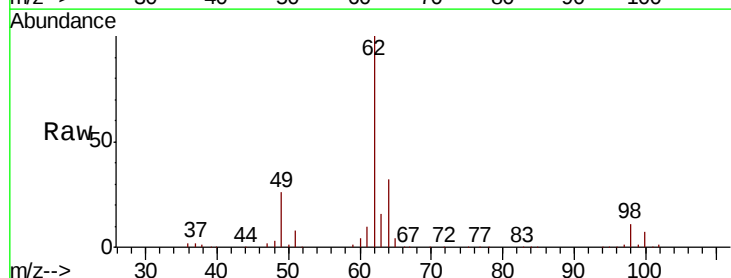
Acq: 22 Oct 2020 10:52

Tgt Ion: 62 Resp: 165694

Ion Ratio Lower Upper

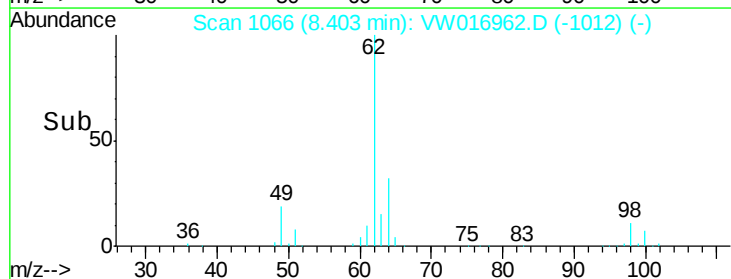
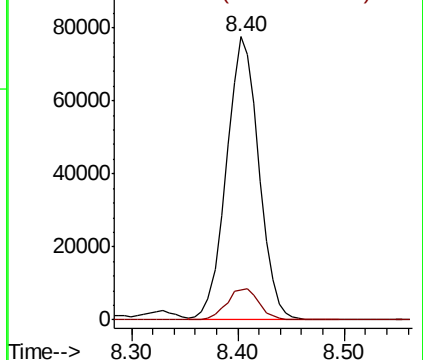
62 100

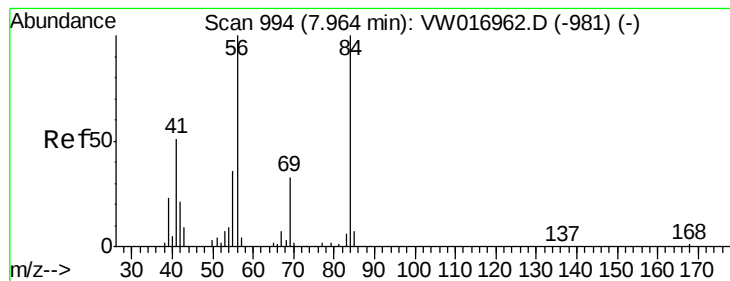
98 10.6 8.5 12.7



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW





#30

Cyclohexane

Concen: 26.184 ug/L

RT: 7.96 min Scan# 994

Delta R.T. 0.00 min

Lab File: VW016962.D

Acq: 22 Oct 2020 10:52

Instrument :

MSVOA_W

ClientSampleId :

VSTD02505

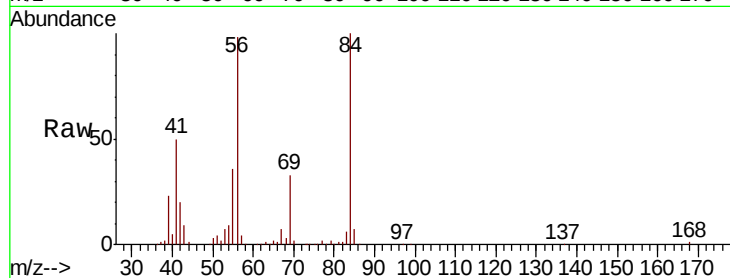
Tot Ion: 56 Resp: 266889

Ion Ratio Lower Upper

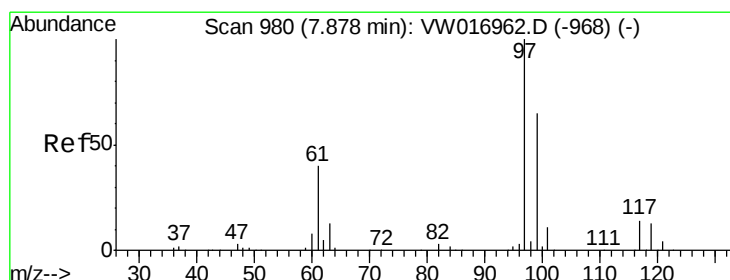
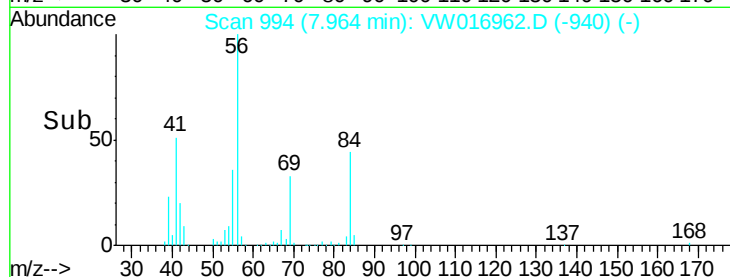
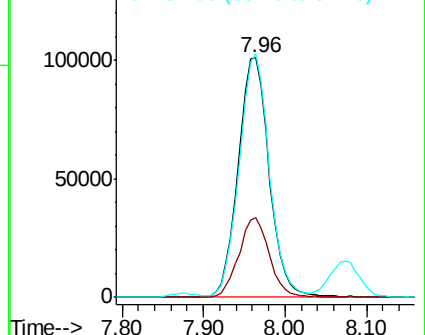
56 100

69 32.5 26.0 39.0

84 98.5 78.6 118.0



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



#31

1,1,1-Trichloroethane

Concen: 25.829 ug/L

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW016962.D

Acq: 22 Oct 2020 10:52

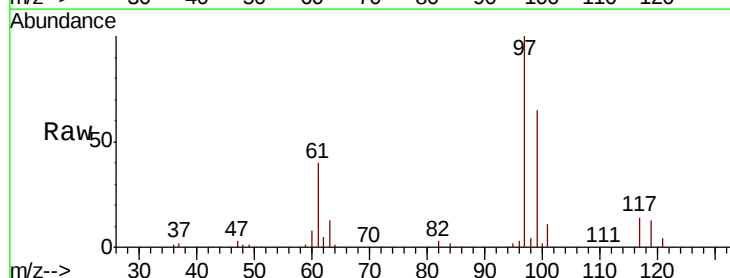
Tgt Ion: 97 Resp: 271029

Ion Ratio Lower Upper

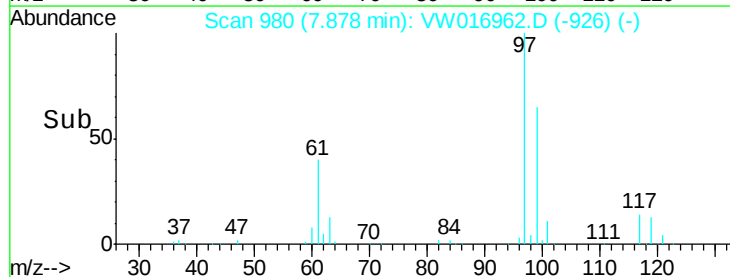
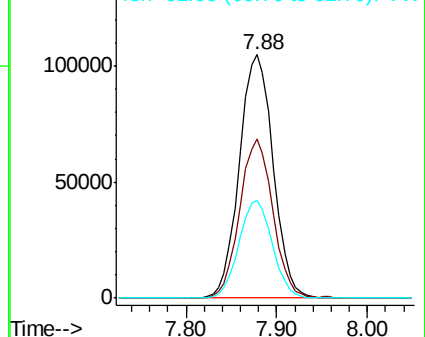
97 100

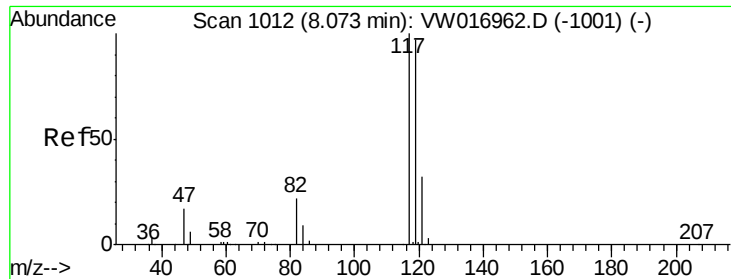
99 64.1 51.3 76.9

61 39.8 31.8 47.8



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





#32

Carbon tetrachloride

Concen: 25.266 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VW016962.D

Acq: 22 Oct 2020 10:52

Instrument :

MSVOA_W

ClientSampled :

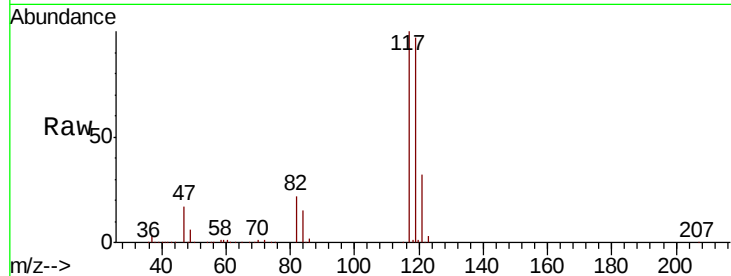
VSTD02505

Tot Ion:117 Resp: 256038

Ion Ratio Lower Upper

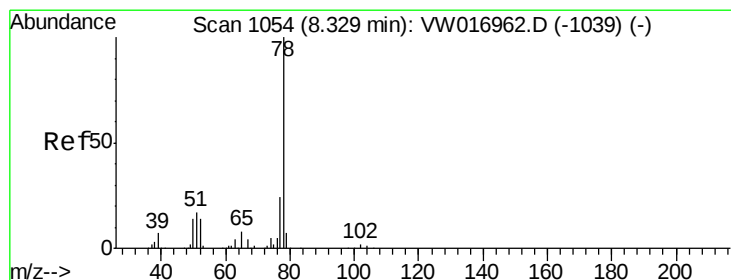
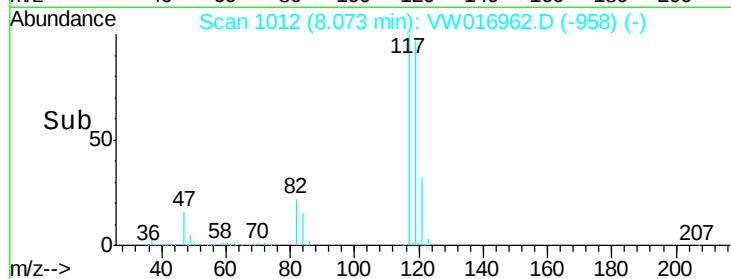
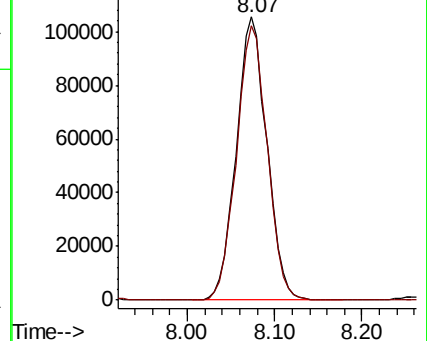
117 100

119 97.5 78.0 117.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.494 ug/L

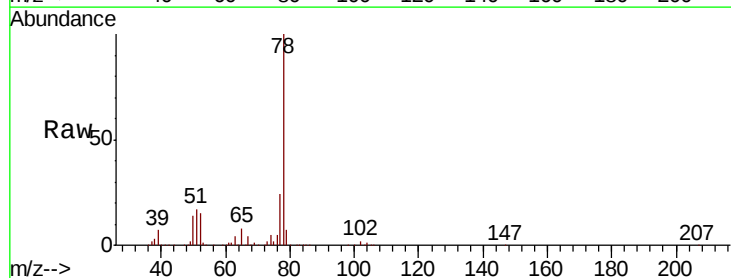
RT: 8.33 min Scan# 1054

Delta R.T. 0.00 min

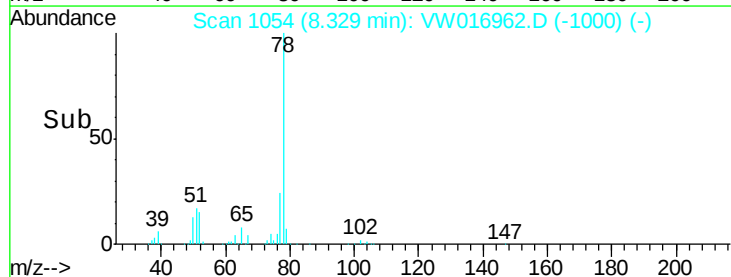
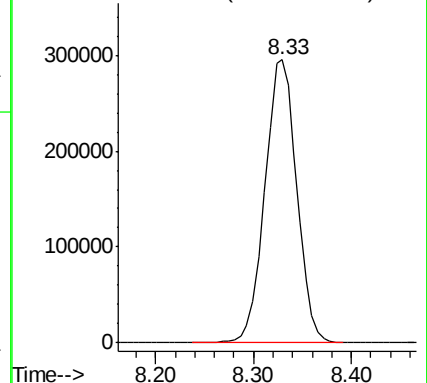
Lab File: VW016962.D

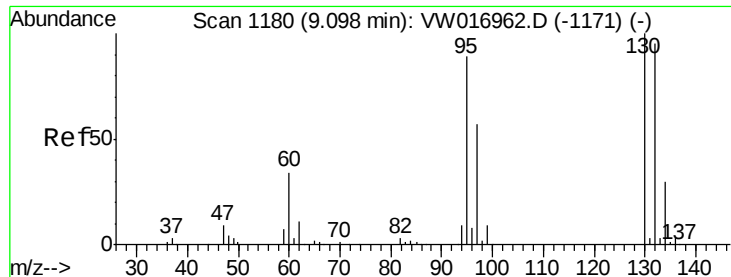
Acq: 22 Oct 2020 10:52

Tgt Ion: 78 Resp: 672700



Abundance Ion 78.00 (77.70 to 78.70): VW

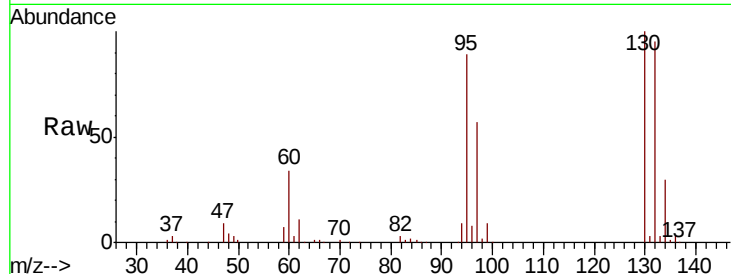




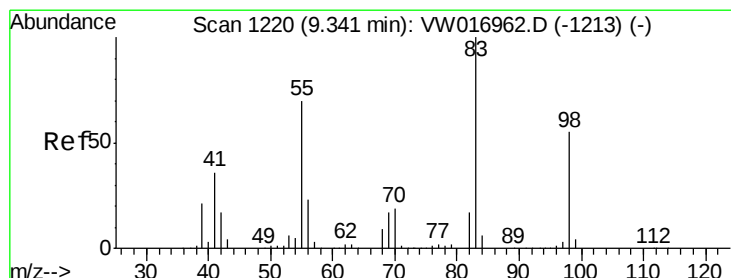
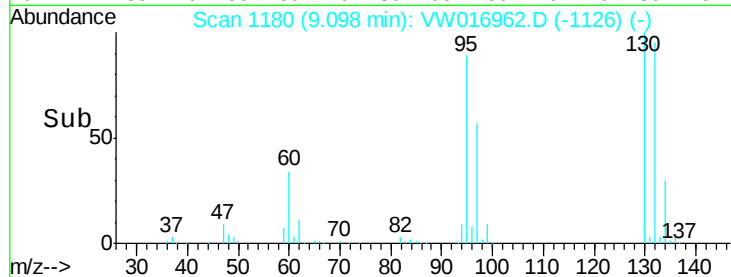
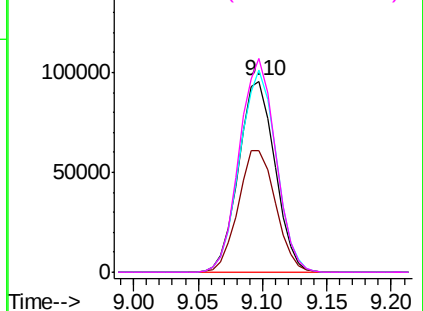
#35
 Trichloroethene
 Concen: 25.212 ug/L
 RT: 9.10 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VW016962.D
 Acq: 22 Oct 2020 10:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02505

Tot Ion: 95 Resp: 187475
 Ion Ratio Lower Upper
 95 100
 97 65.7 46.0 85.4
 132 105.6 73.9 137.3
 130 110.9 77.6 144.2

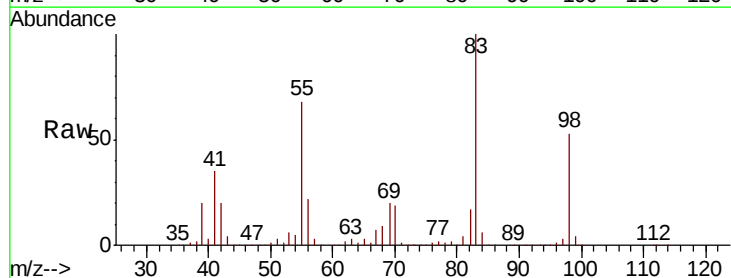


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

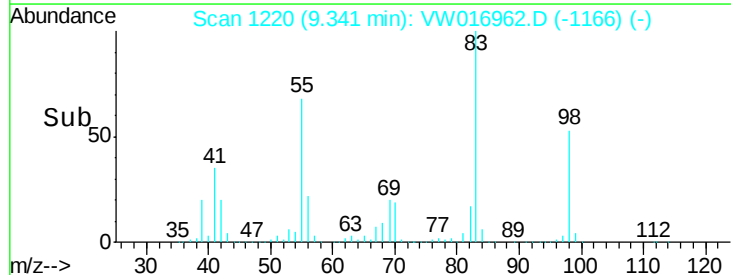
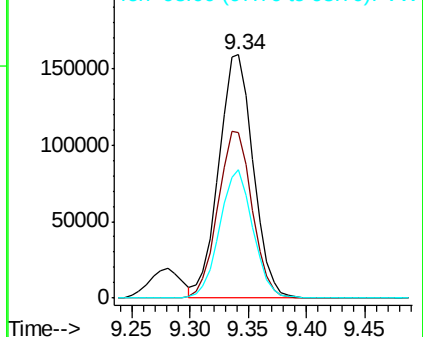


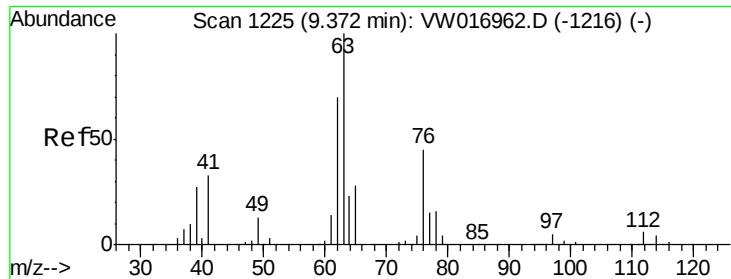
#36
 Methylcyclohexane
 Concen: 25.964 ug/L
 RT: 9.34 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VW016962.D
 Acq: 22 Oct 2020 10:52

Tgt Ion: 83 Resp: 326393
 Ion Ratio Lower Upper
 83 100
 55 68.1 54.5 81.7
 98 51.0 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

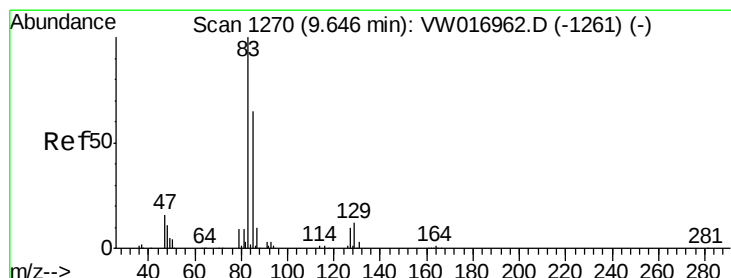
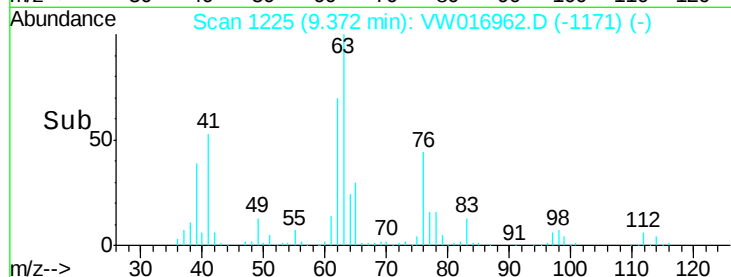
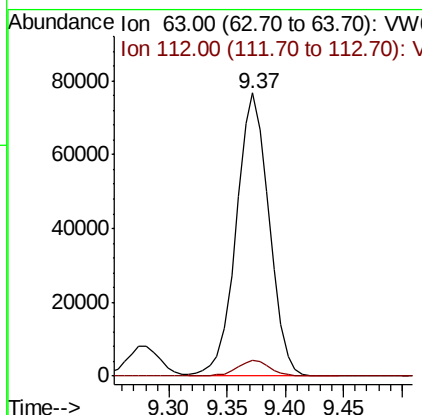
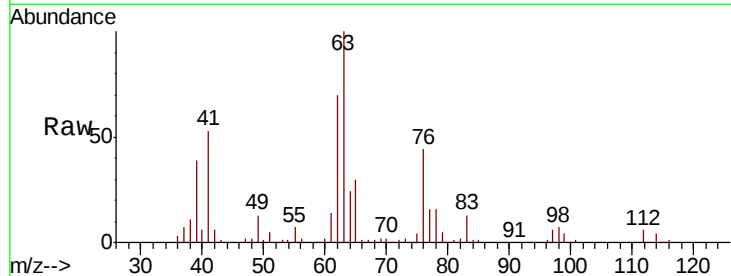




#40
 1,2-Dichloropropane
 Concen: 25.234 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW016962.D
 Acq: 22 Oct 2020 10:52

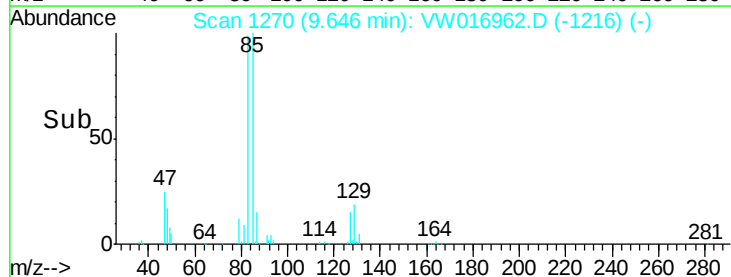
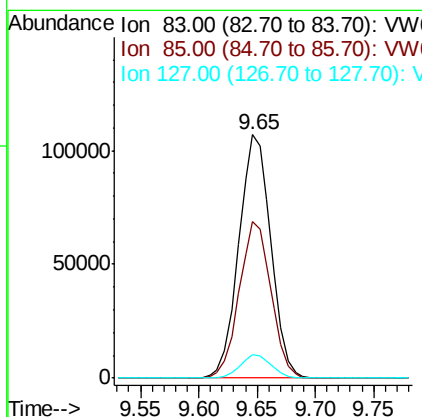
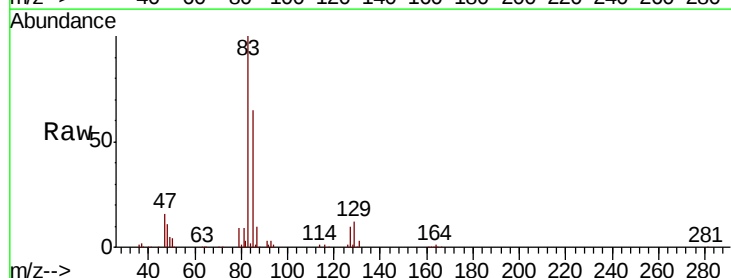
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02505

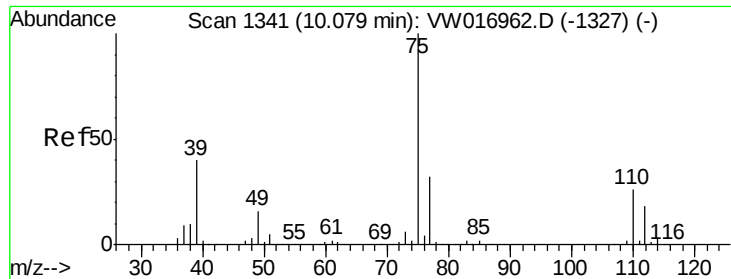
Tot Ion: 63 Resp: 150685
 Ion Ratio Lower Upper
 63 100
 112 5.6 4.5 6.7



#41
 Bromodichloromethane
 Concen: 24.620 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW016962.D
 Acq: 22 Oct 2020 10:52

Tgt Ion: 83 Resp: 205390
 Ion Ratio Lower Upper
 83 100
 85 64.5 45.1 83.9
 127 9.7 7.8 11.6

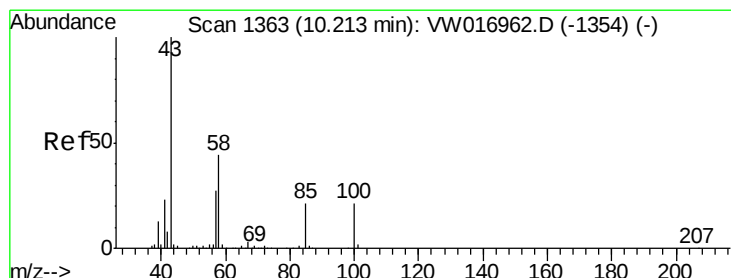
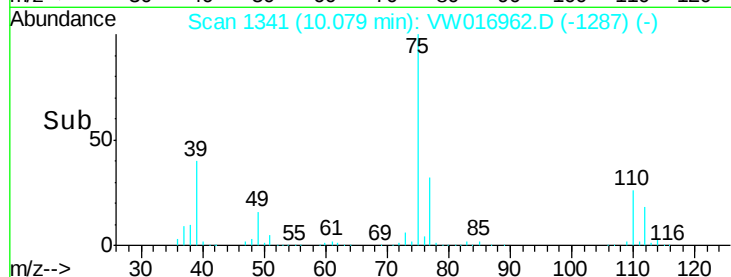
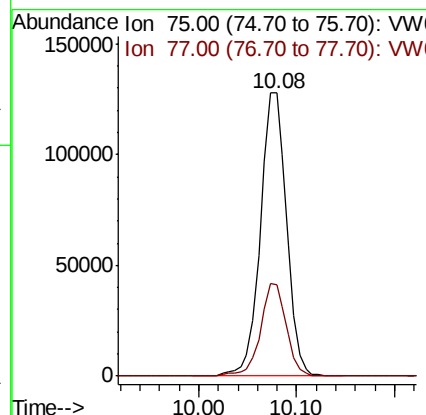
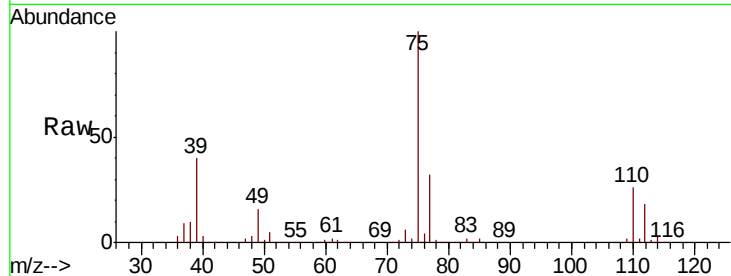




#42
 cis-1,3-Dichloropropene
 Concen: 25.258 ug/L
 RT: 10.08 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: VW016962.D
 Acq: 22 Oct 2020 10:52

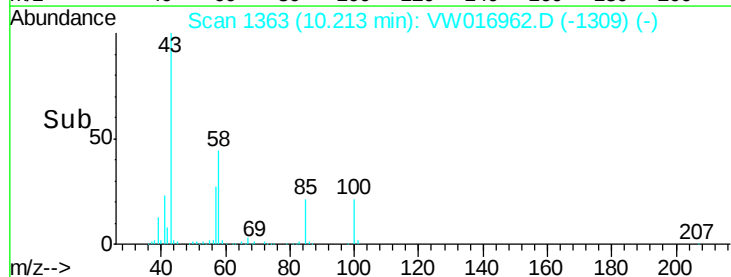
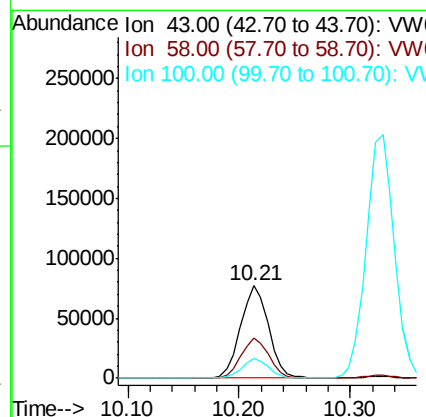
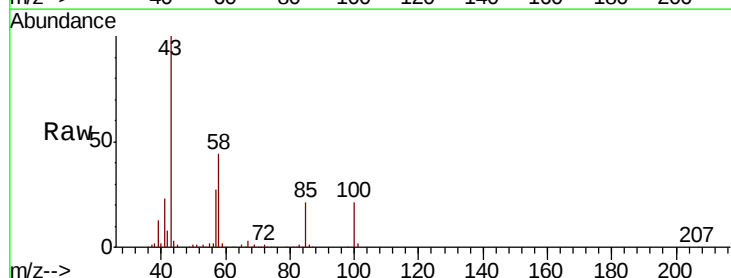
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02505

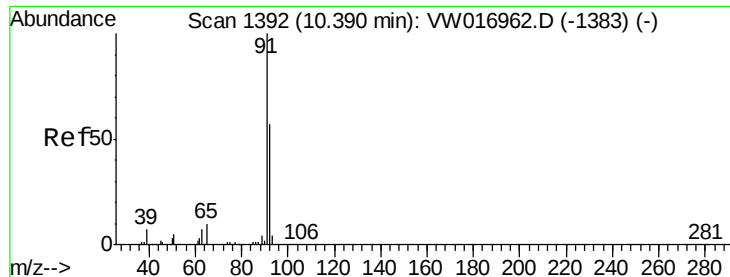
Tot Ion: 75 Resp: 239300
 Ion Ratio Lower Upper
 75 100
 77 32.4 22.7 42.1



#43
 4-Methyl-2-pentanone
 Concen: 45.769 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW016962.D
 Acq: 22 Oct 2020 10:52

Tgt Ion: 43 Resp: 134858
 Ion Ratio Lower Upper
 43 100
 58 43.0 34.4 51.6
 100 20.2 16.2 24.2





#44

Toluene

Concen: 25.453 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016962.D

Acq: 22 Oct 2020 10:52

Instrument :

MSVOA_W

ClientSampleId :

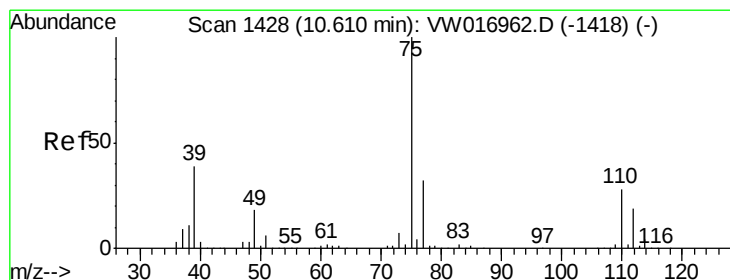
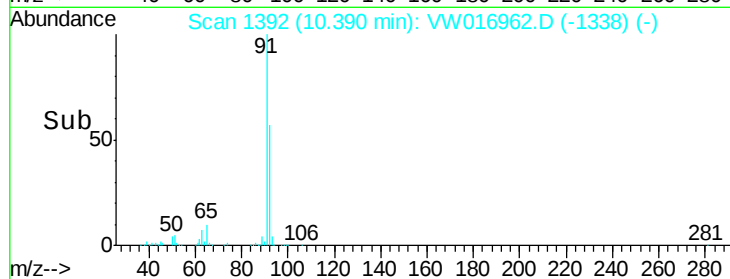
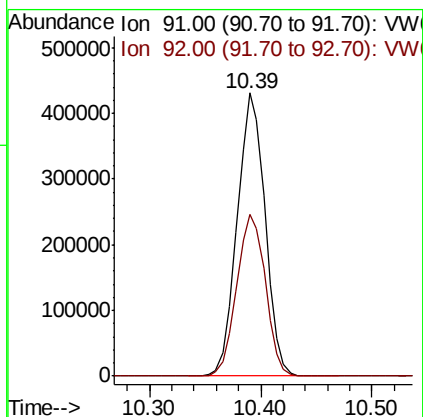
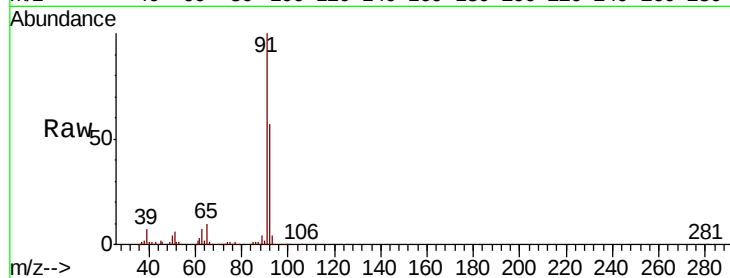
VSTD02505

Tot Ion: 91 Resp: 745304

Ion Ratio Lower Upper

91 100

92 57.3 40.1 74.5



#45

trans-1,3-Dichloropropene

Concen: 24.916 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW016962.D

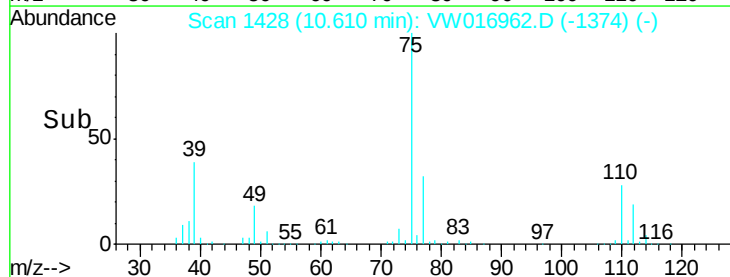
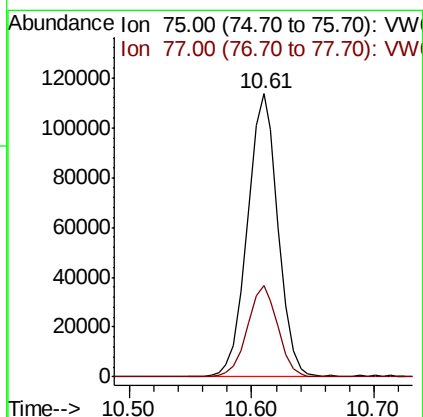
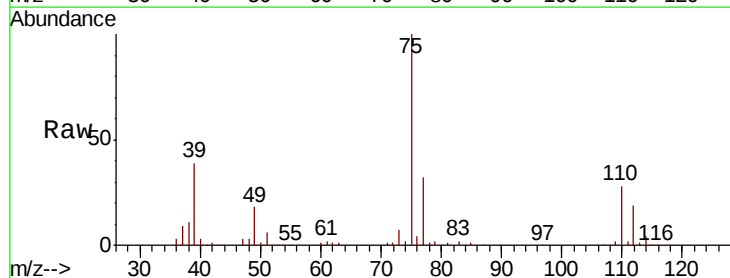
Acq: 22 Oct 2020 10:52

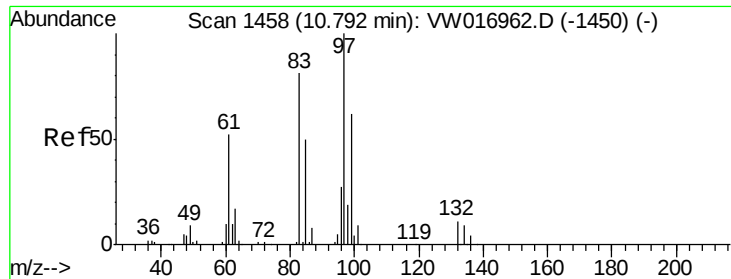
Tgt Ion: 75 Resp: 197962

Ion Ratio Lower Upper

75 100

77 32.5 22.7 42.3



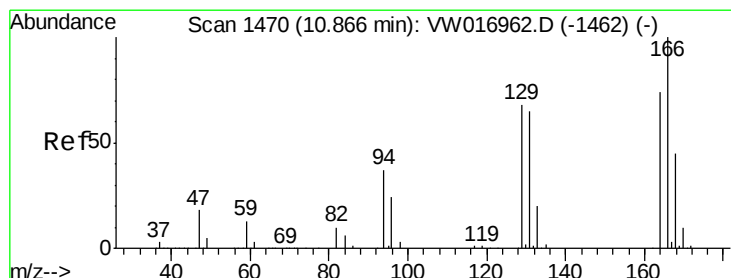
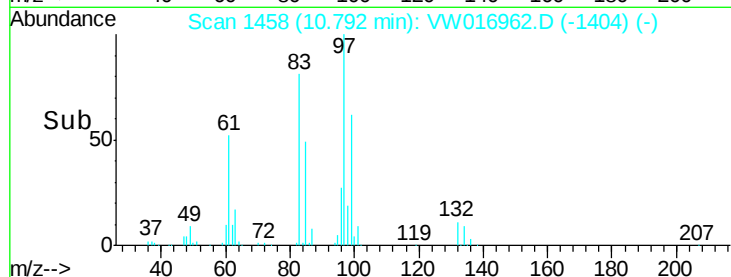
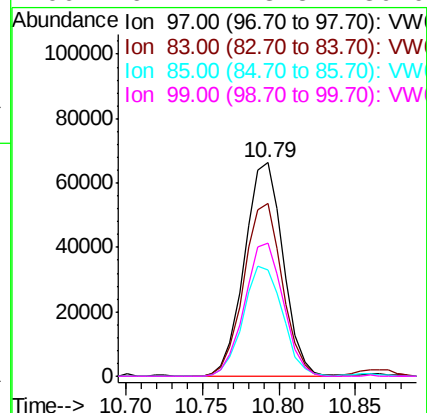
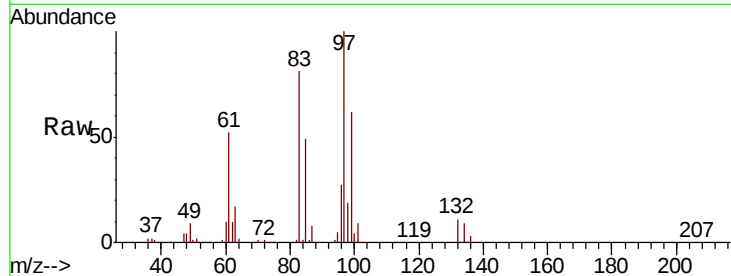


#46
1,1,2-Trichloroethane
Concen: 24.226 ug/L
RT: 10.79 min Scan# 1458
Delta R.T. 0.00 min
Lab File: VW016962.D
Acq: 22 Oct 2020 10:52

Instrument :
MSVOA_W
ClientSampleId :
VSTD02505

Tot Ion: 97 Resp: 116902

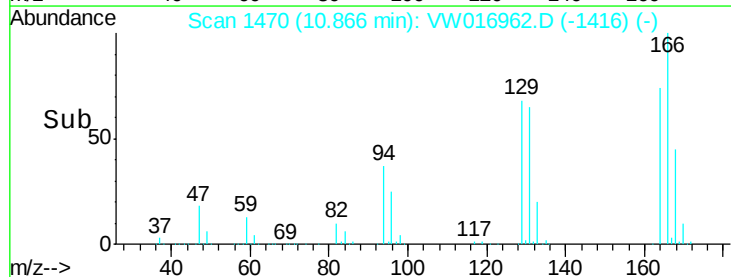
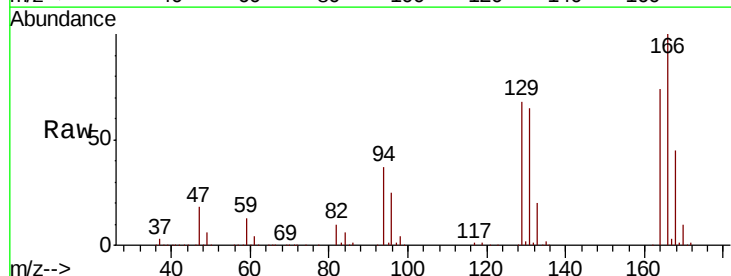
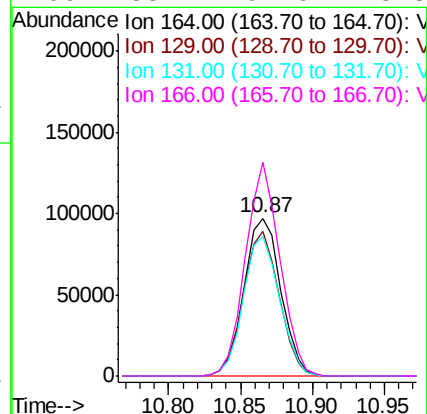
Ion	Ratio	Lower	Upper
97	100		
83	80.8	56.6	105.0
85	49.5	34.6	64.3
99	62.2	43.5	80.9

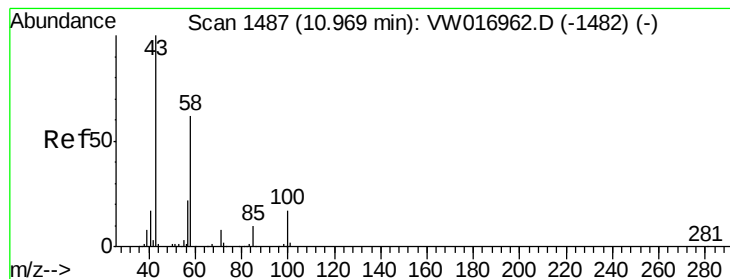


#47
Tetrachloroethene
Concen: 24.836 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW016962.D
Acq: 22 Oct 2020 10:52

Tgt Ion: 164 Resp: 171384

Ion	Ratio	Lower	Upper
164	100		
129	91.5	64.0	119.0
131	88.1	61.7	114.5
166	135.2	94.6	175.8





#49

2-Hexanone

Concen: 45.594 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW016962.D

Acq: 22 Oct 2020 10:52

Instrument :

MSVOA_W

ClientSampleId :

VSTD02505

Tot Ion: 43 Resp: 88175

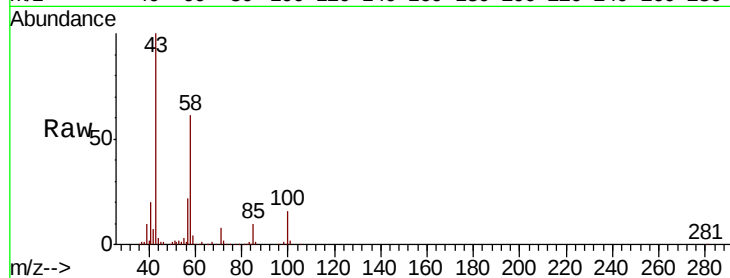
Ion Ratio Lower Upper

43 100

58 61.5 49.2 73.8

57 21.2 17.0 25.4

100 16.5 13.2 19.8



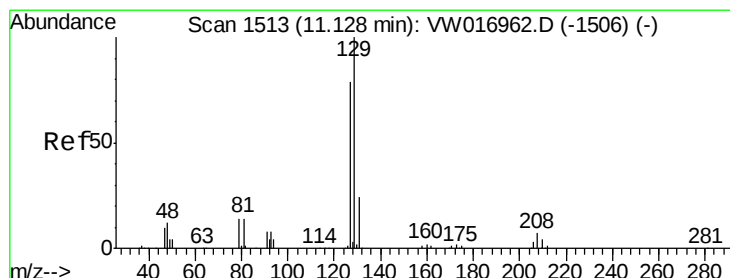
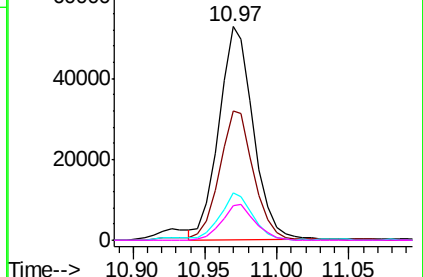
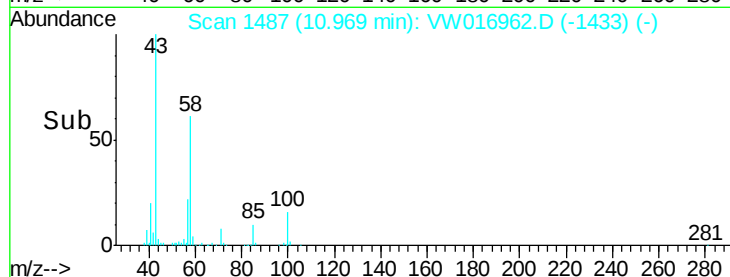
Abundance Ion 43.00 (42.70 to 43.70): VW

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

Time-->



#50

Dibromochloromethane

Concen: 24.439 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW016962.D

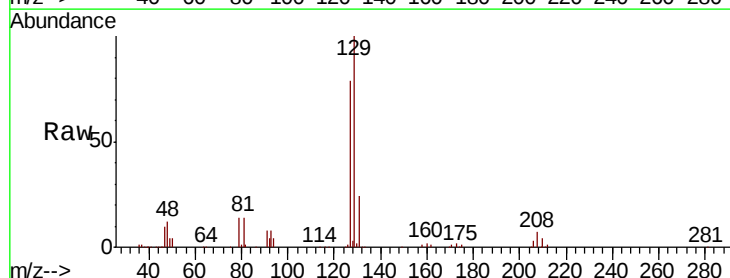
Acq: 22 Oct 2020 10:52

Tgt Ion: 129 Resp: 145829

Ion Ratio Lower Upper

129 100

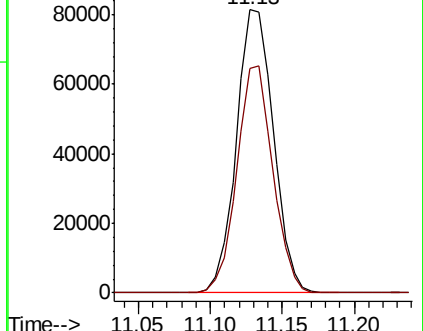
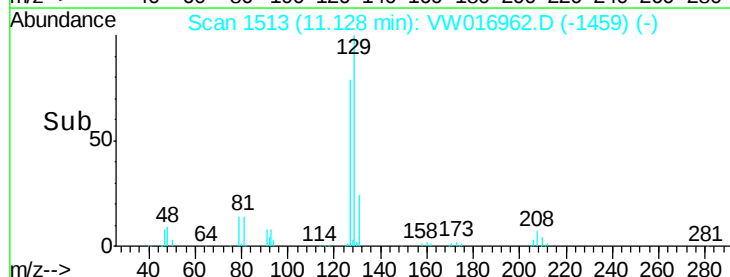
127 79.1 55.4 102.8

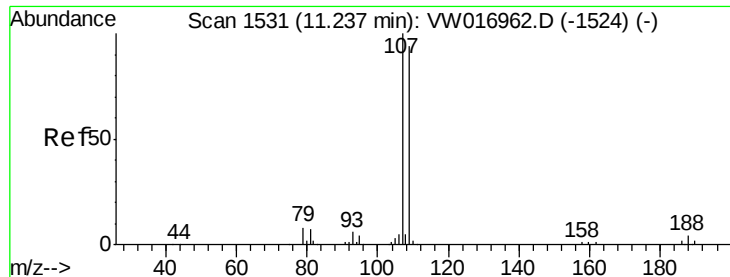


Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

Time-->





#51

1,2-Dibromoethane

Concen: 23.471 ug/L

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW016962.D

Acq: 22 Oct 2020 10:52

Instrument :

MSVOA_W

ClientSampleId :

VSTD02505

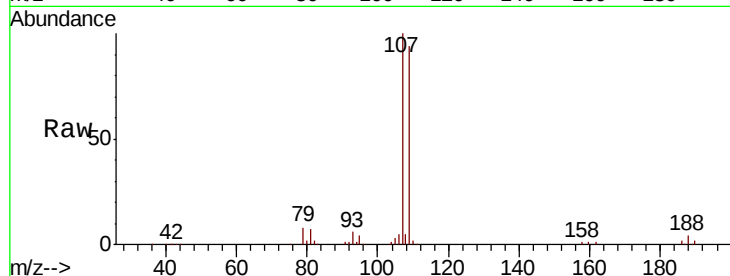
Tot Ion:107 Resp: 110266

Ion Ratio Lower Upper

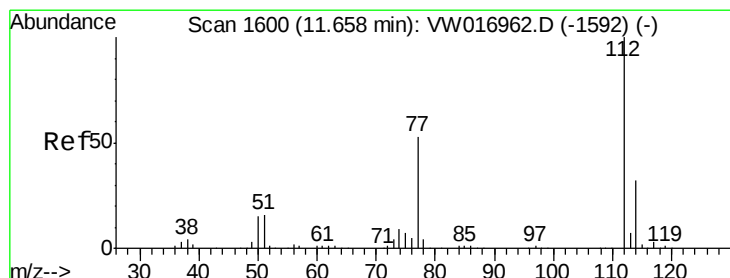
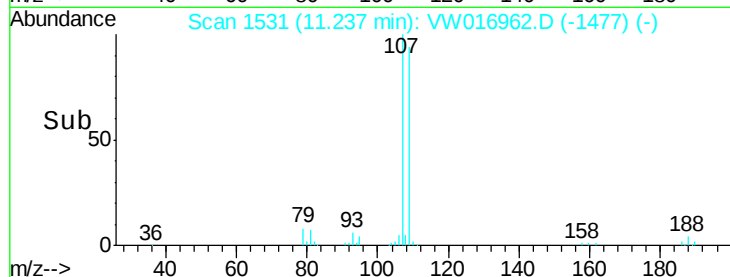
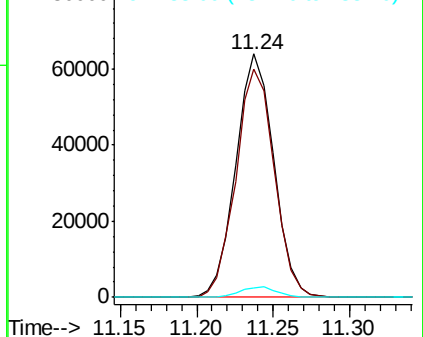
107 100

109 93.8 65.7 121.9

188 3.9 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: 24.887 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW016962.D

Acq: 22 Oct 2020 10:52

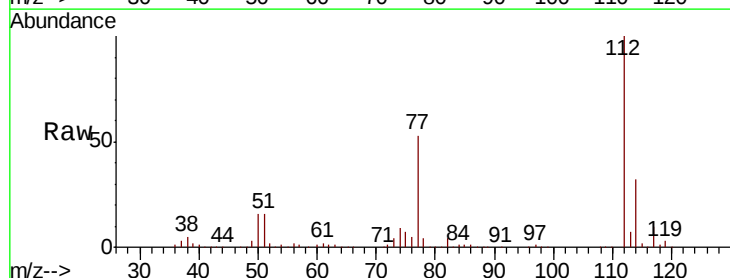
Tgt Ion:112 Resp: 487032

Ion Ratio Lower Upper

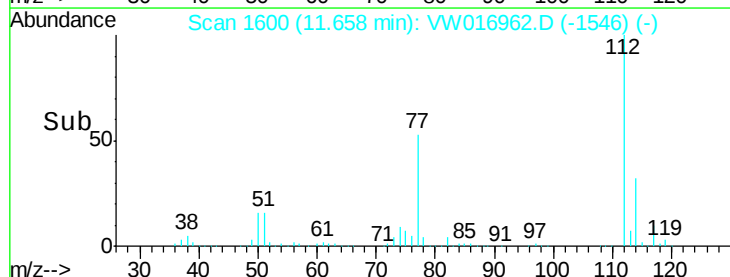
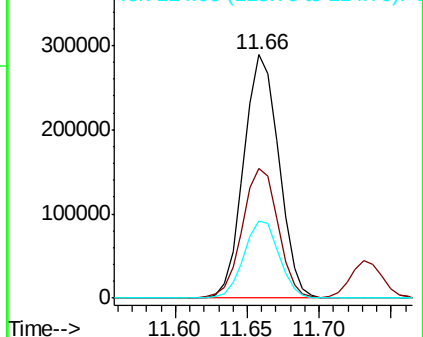
112 100

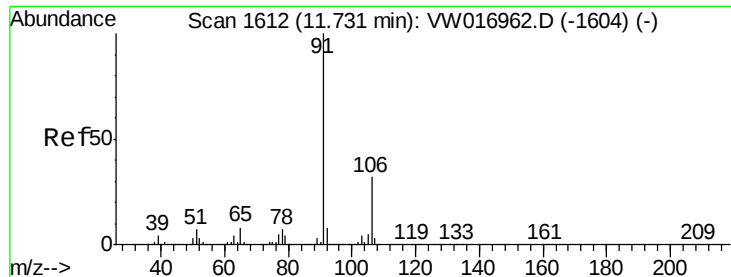
77 53.1 42.5 63.7

114 31.8 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

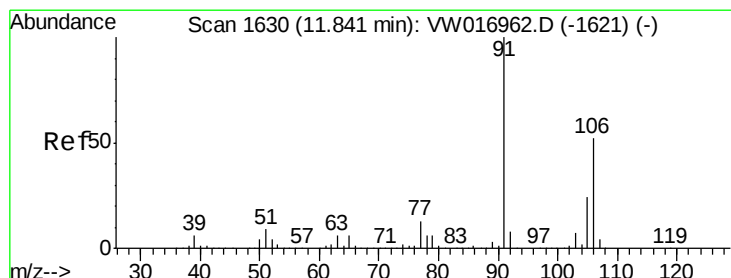
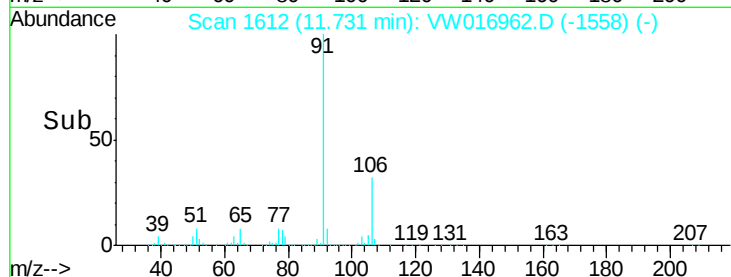
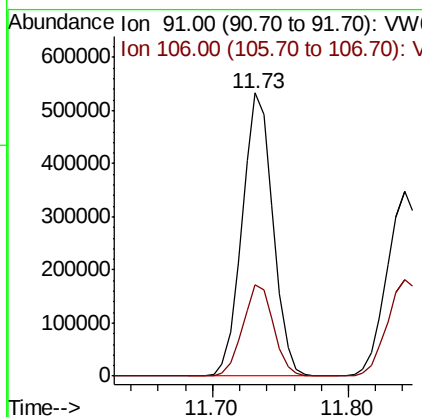
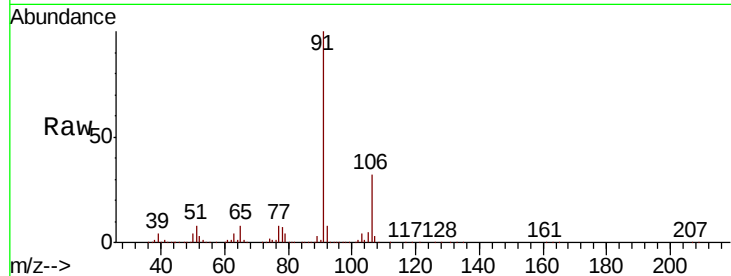




#53
Ethylbenzene
Concen: 25.629 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW016962.D
Acq: 22 Oct 2020 10:52

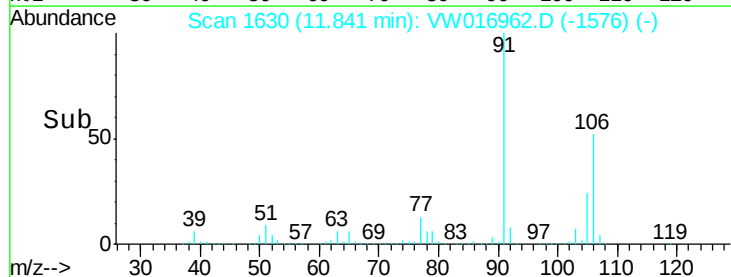
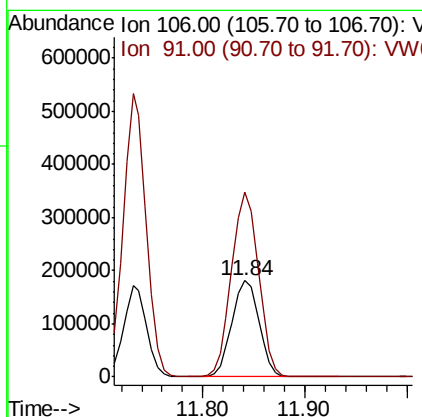
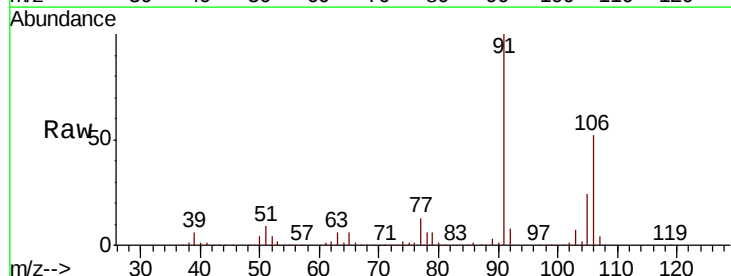
Instrument :
MSVOA_W
ClientSampleId :
VSTD02505

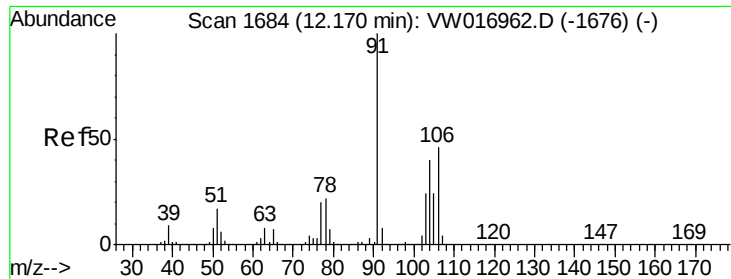
Tot Ion: 91 Resp: 843312
Ion Ratio Lower Upper
91 100
106 32.1 22.5 41.7



#54
m,p-Xylene
Concen: 26.124 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW016962.D
Acq: 22 Oct 2020 10:52

Tgt Ion: 106 Resp: 334104
Ion Ratio Lower Upper
106 100
91 191.7 134.2 249.2

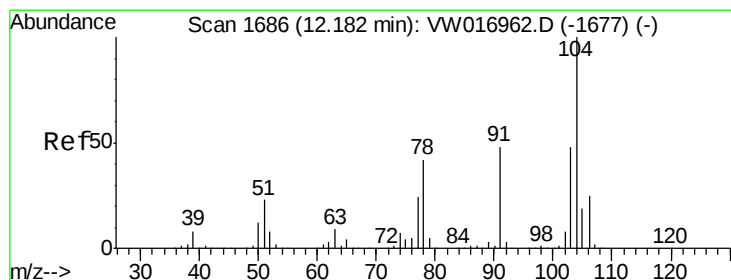
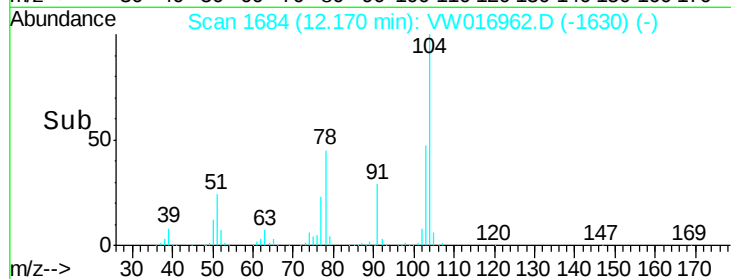
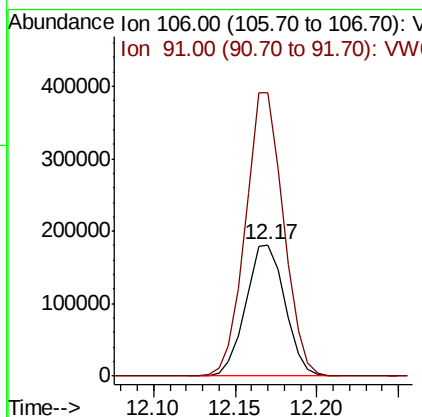
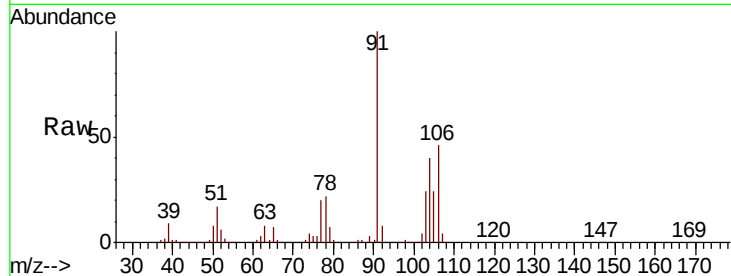




#55
o-xylene
Concen: 25.006 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW016962.D
Acq: 22 Oct 2020 10:52

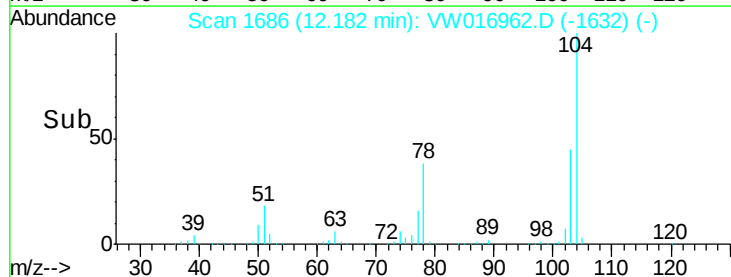
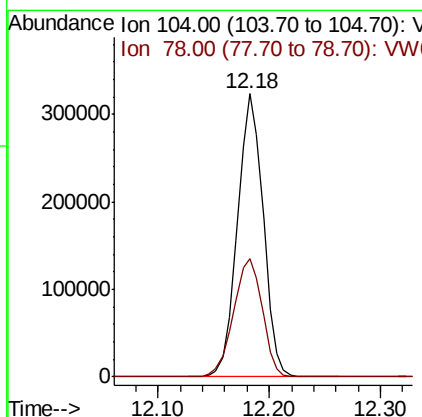
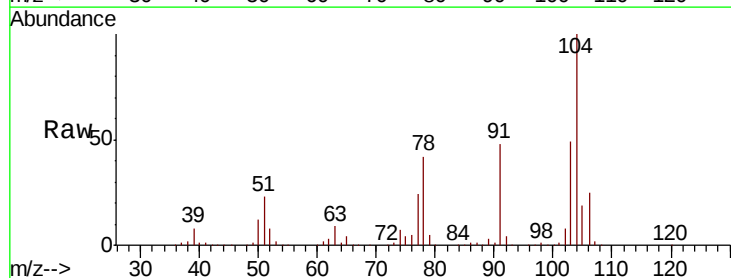
Instrument :
MSVOA_W
ClientSampled :
VSTD02505

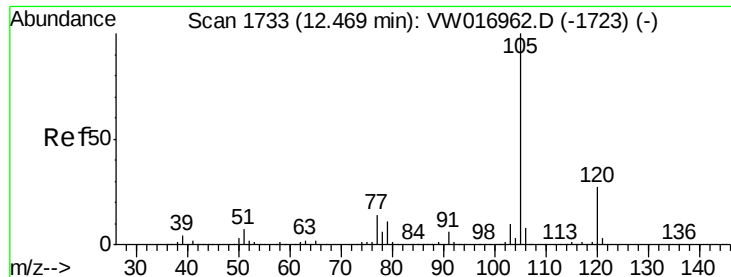
Tot Ion:106 Resp: 302378
Ion Ratio Lower Upper
106 100
91 215.6 150.9 280.3



#56
Styrene
Concen: 25.726 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW016962.D
Acq: 22 Oct 2020 10:52

Tgt Ion:104 Resp: 518016
Ion Ratio Lower Upper
104 100
78 41.9 29.3 54.5





#57

Isopropylbenzene

Concen: 25.887 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW016962.D

Acq: 22 Oct 2020 10:52

Instrument :

MSVOA_W

ClientSampled :

VSTD02505

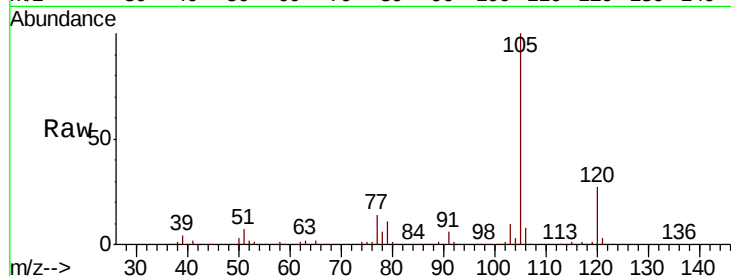
Tot Ion: 105 Resp: 863529

Ion Ratio Lower Upper

105 100

120 26.8 21.4 32.2

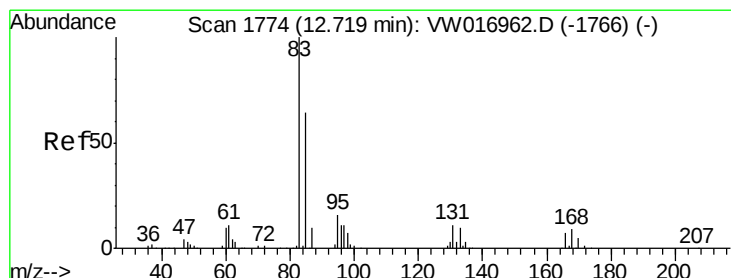
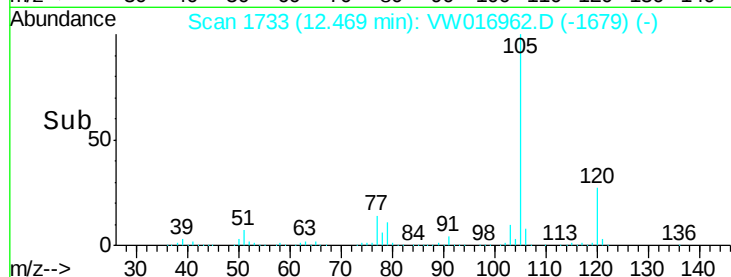
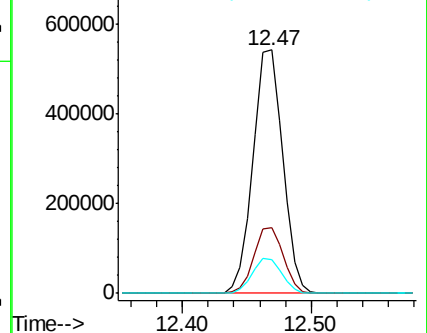
77 14.3 11.4 17.2



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: 23.560 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW016962.D

Acq: 22 Oct 2020 10:52

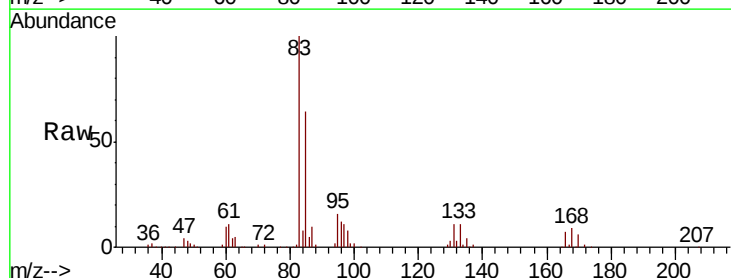
Tgt Ion: 83 Resp: 124388

Ion Ratio Lower Upper

83 100

85 64.4 45.1 83.7

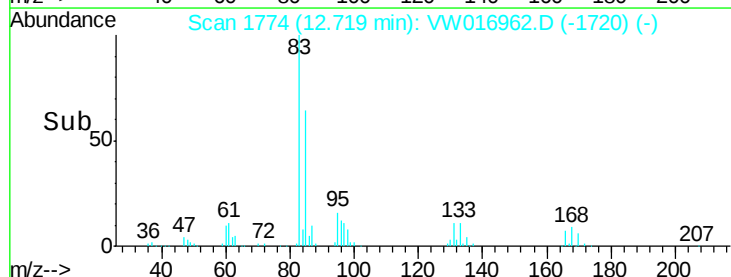
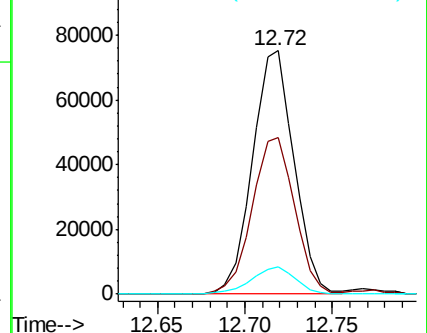
131 11.4 9.1 13.7

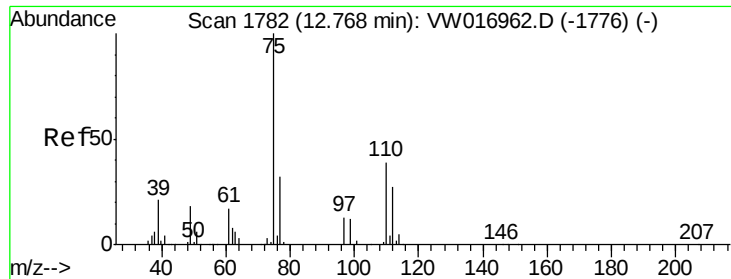


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 23.063 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW016962.D

Acq: 22 Oct 2020 10:52

Instrument :

MSVOA_W

ClientSampleId :

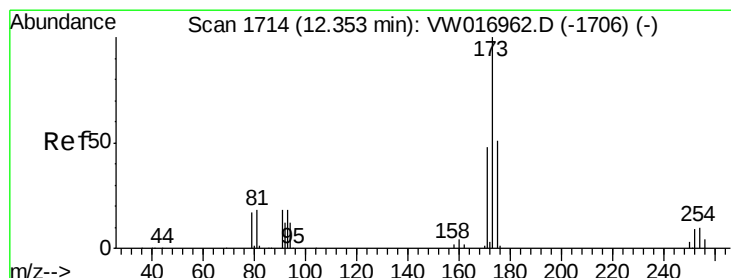
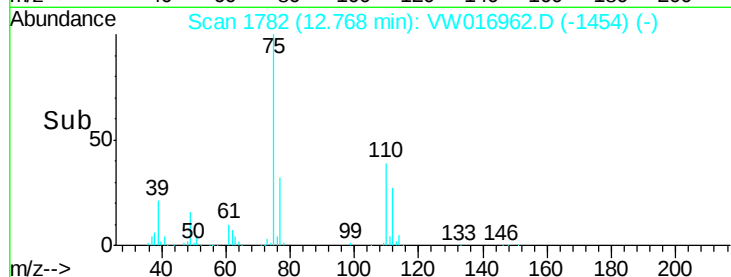
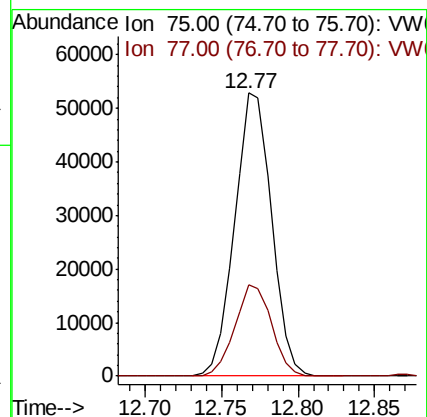
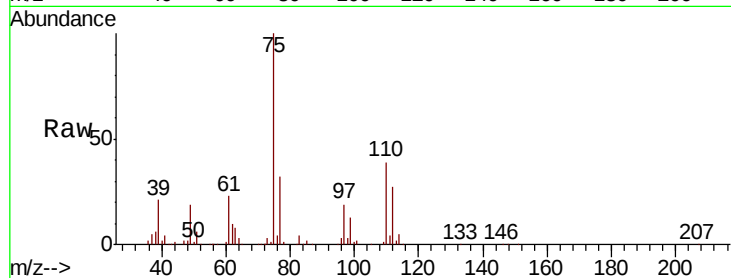
VSTD02505

Tot Ion: 75 Resp: 88174

Ion Ratio Lower Upper

75 100

77 32.3 25.8 38.8



#62

Bromoform

Concen: 24.263 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW016962.D

Acq: 22 Oct 2020 10:52

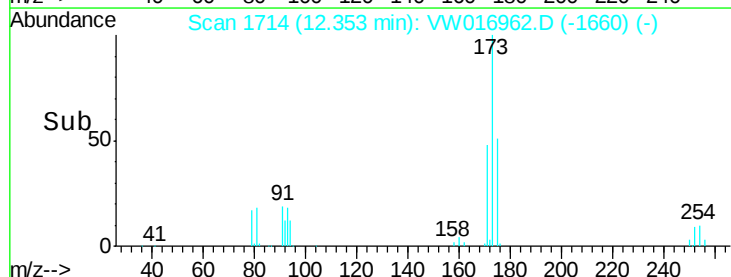
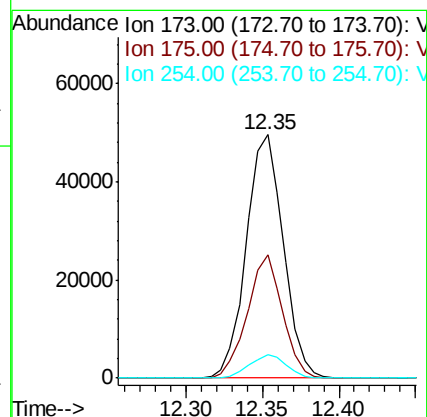
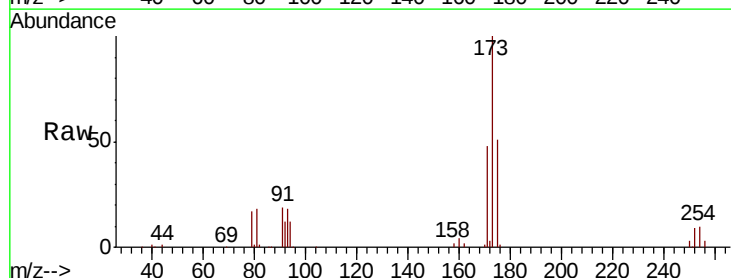
Tgt Ion: 173 Resp: 83382

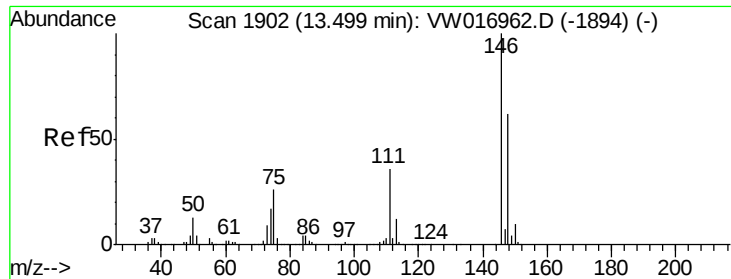
Ion Ratio Lower Upper

173 100

175 47.9 38.3 57.5

254 9.7 7.8 11.6

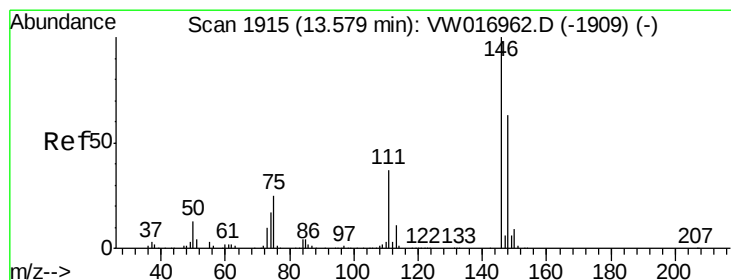
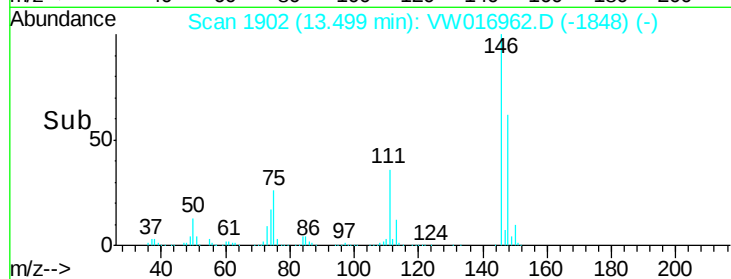
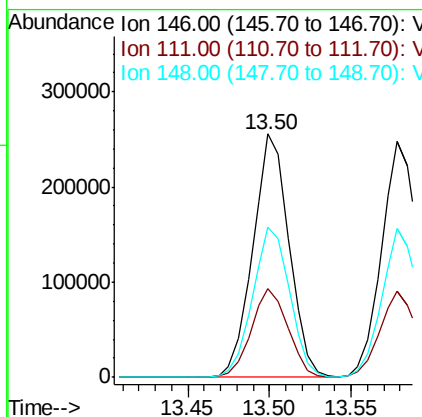
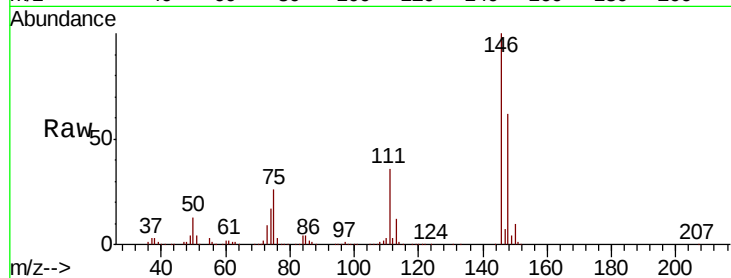




#63
 1,3-Dichlorobenzene
 Concen: 25.309 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016962.D
 Acq: 22 Oct 2020 10:52

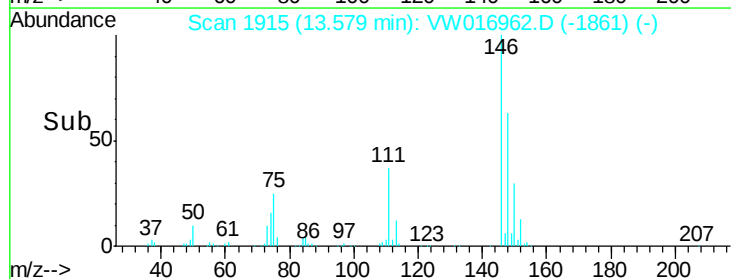
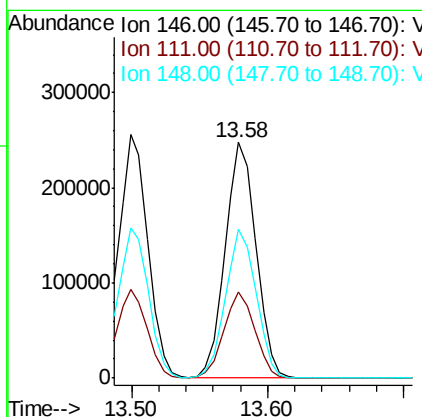
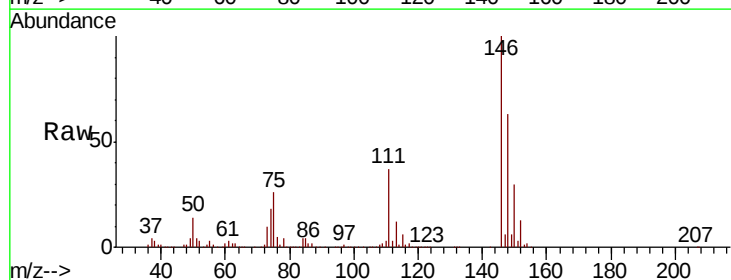
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02505

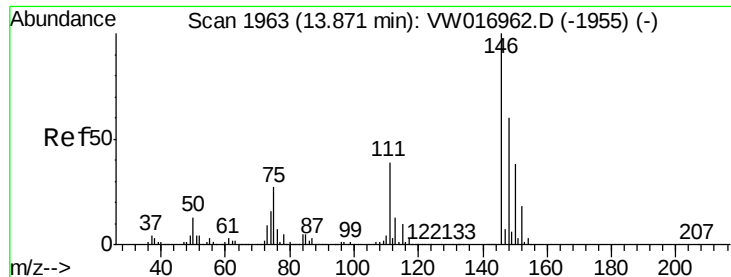
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.4	25.5	47.3
148	61.6	43.1	80.1



#64
 1,4-Dichlorobenzene
 Concen: 24.915 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW016962.D
 Acq: 22 Oct 2020 10:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	25.7	47.7
148	63.3	44.3	82.3

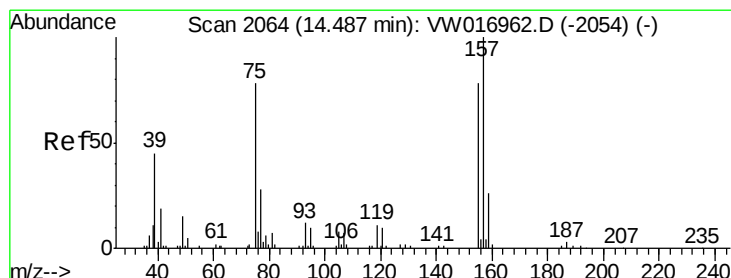
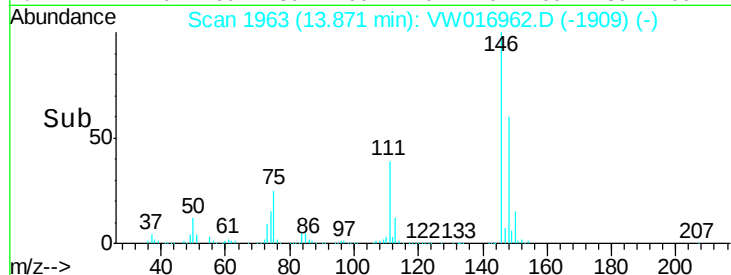
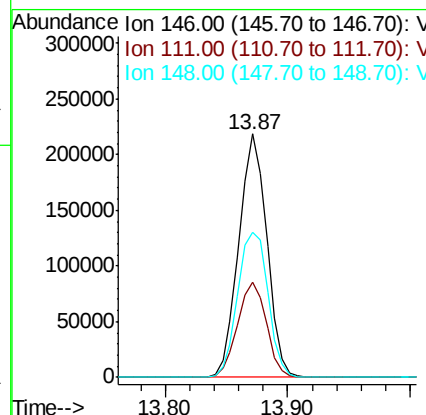
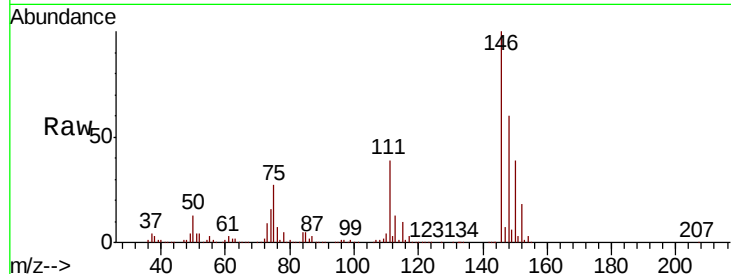




#65
 1,2-Dichlorobenzene
 Concen: 24.857 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW016962.D
 Acq: 22 Oct 2020 10:52

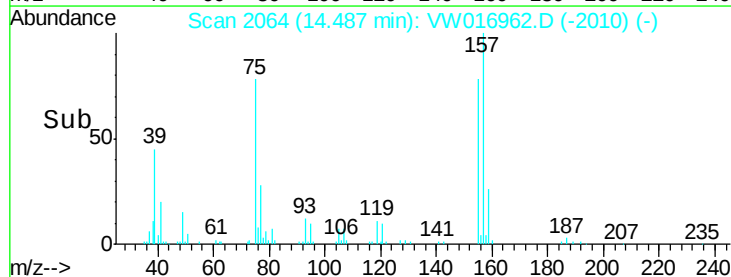
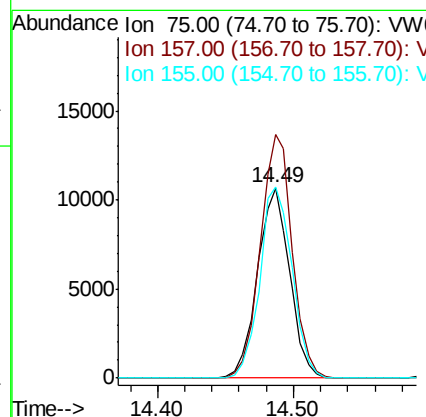
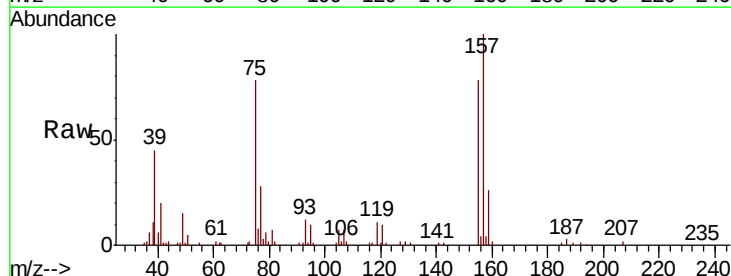
Instrument :
 MSVOA_W
 ClientSampleID :
 VSTD02505

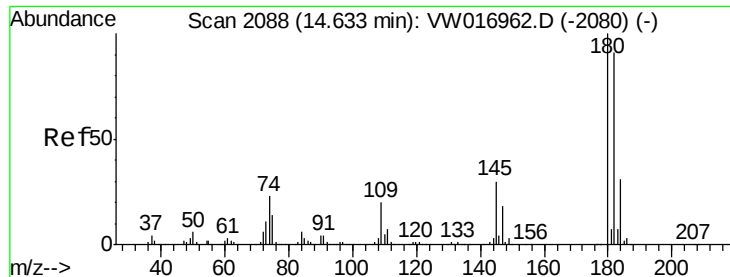
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	31.4	47.0
148	59.6	47.7	71.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 21.295 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW016962.D
 Acq: 22 Oct 2020 10:52

Tgt Ion	Ratio	Lower	Upper
75	100		
157	128.1	102.5	153.7
155	100.4	80.3	120.5

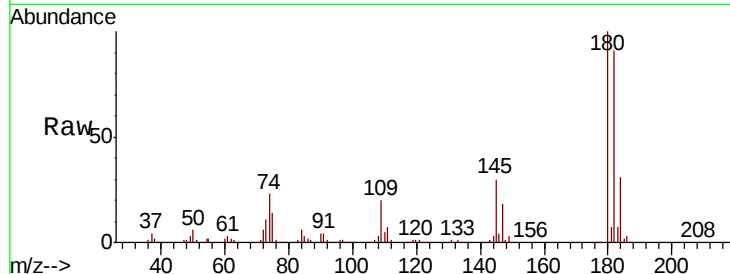




#67
 1,3,5-Trichlorobenzene
 Concen: 25.149 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW016962.D
 Acq: 22 Oct 2020 10:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02505

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.7	77.4	116.0
184	31.0	24.8	37.2
145	29.3	23.4	35.2

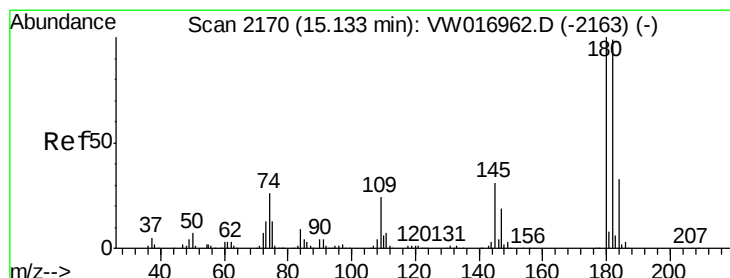
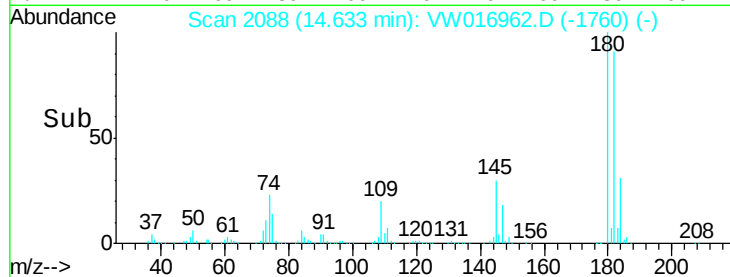
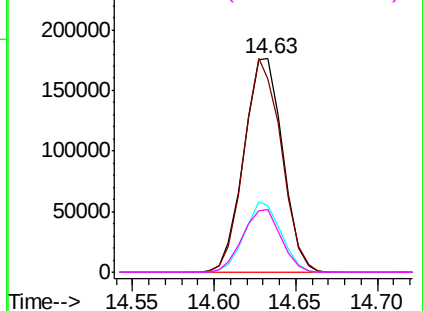


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

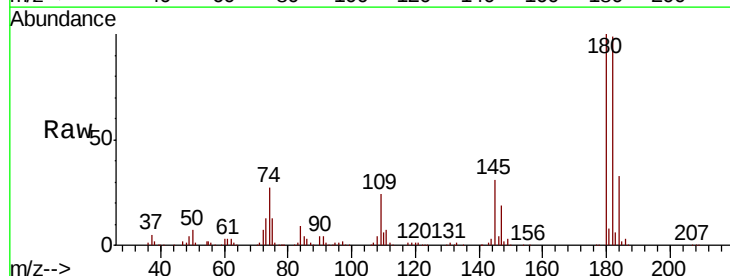
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 24.589 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW016962.D
 Acq: 22 Oct 2020 10:52

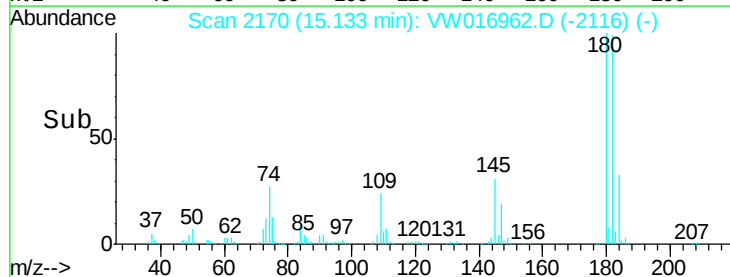
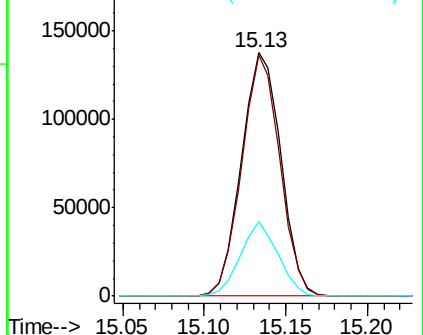
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.6	114.8
145	29.2	23.4	35.0

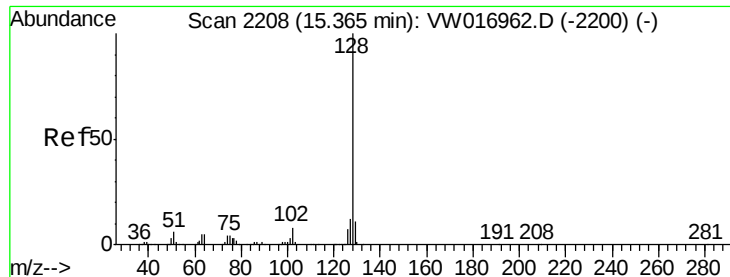


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 23.845 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW016962.D

Acq: 22 Oct 2020 10:52

Instrument :

MSVOA_W

ClientSampleId :

VSTD02505

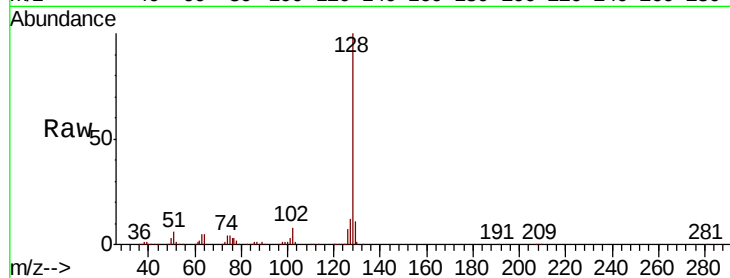
Tot Ion:128 Resp: 367597

Ion Ratio Lower Upper

128 100

129 10.7 8.6 12.8

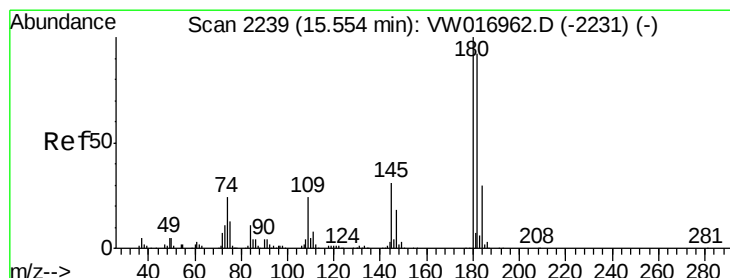
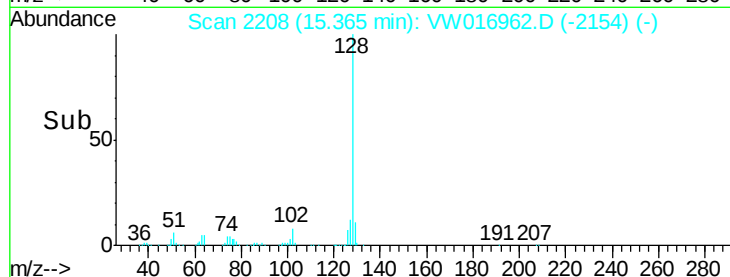
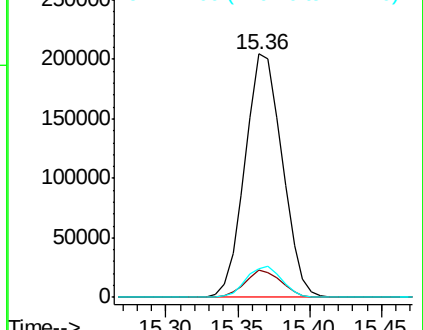
127 12.5 10.0 15.0



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: 24.326 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW016962.D

Acq: 22 Oct 2020 10:52

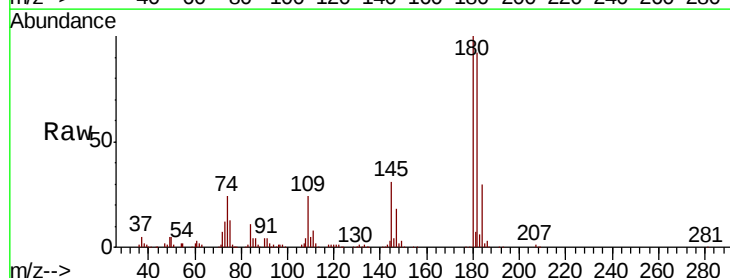
Tgt Ion:180 Resp: 196479

Ion Ratio Lower Upper

180 100

182 96.0 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

