

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090920\
 Data File : VW016494.D
 Acq On : 09 Sep 2020 09:22
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02515

Quant Time: Sep 10 05:00:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM090320S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 09 01:41:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	723168	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	652484	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	306683	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	176535	23.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.04%
7) Chloroethane-d5	2.90	69	193523	28.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	112.36%
10) 1,1-Dichloroethene-d2	4.03	63	415461	23.55	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.20%
20) 2-Butanone-d5	7.09	46	127130	46.40	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.80%
24) Chloroform-d	7.65	84	438324	25.88	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	103.52%
26) 1,2-Dichloroethane-d4	8.31	65	228521	24.67	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.68%
29) Benzene-d6	8.27	84	833156	25.12	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.48%
33) 1,2-Dichloropropane-d6	9.28	67	243494	24.99	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.96%
37) Toluene-d8	10.32	98	799524	25.36	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.44%
38) trans-1,3-Dichloropropene-	10.58	79	120836	24.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.32%
39) 2-Hexanone-d5	10.93	63	106480	53.46	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.92%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	224035	27.18	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	108.72%
61) 1,2-Dichlorobenzene-d4	13.85	152	278511	26.28	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	105.12%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.02	85	201953	24.961	ug/L	94
3) Chloromethane	2.22	50	170819	24.048	ug/L	99
5) Vinyl chloride	2.37	62	243783	26.945	ug/L	98
6) Bromomethane	2.79	94	210179	31.081	ug/L	99
8) Chloroethane	2.93	64	165841	29.796	ug/L	98
9) Trichlorofluoromethane	3.27	101	213084	28.758	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.08	101	236661	27.004	ug/L	97
12) 1,1-Dichloroethene	4.04	96	235540	26.432	ug/L	95
13) Acetone	4.14	43	88439	50.287	ug/L	99
14) Carbon disulfide	4.39	76	694827	25.514	ug/L	99
15) Methyl Acetate	4.68	43	99428	23.311	ug/L	94
16) Methylene chloride	4.92	84	234029	20.736	ug/L	94
17) Methyl tert-butyl Ether	5.43	73	348552	26.073	ug/L	97
18) trans-1,2-Dichloroethene	5.43	96	242012	25.567	ug/L	92
19) 1,1-Dichloroethane	6.22	63	398513	24.737	ug/L	99
21) 2-Butanone	7.18	43	131815	44.656	ug/L	94
22) cis-1,2-Dichloroethene	7.17	96	257333	26.096	ug/L	97

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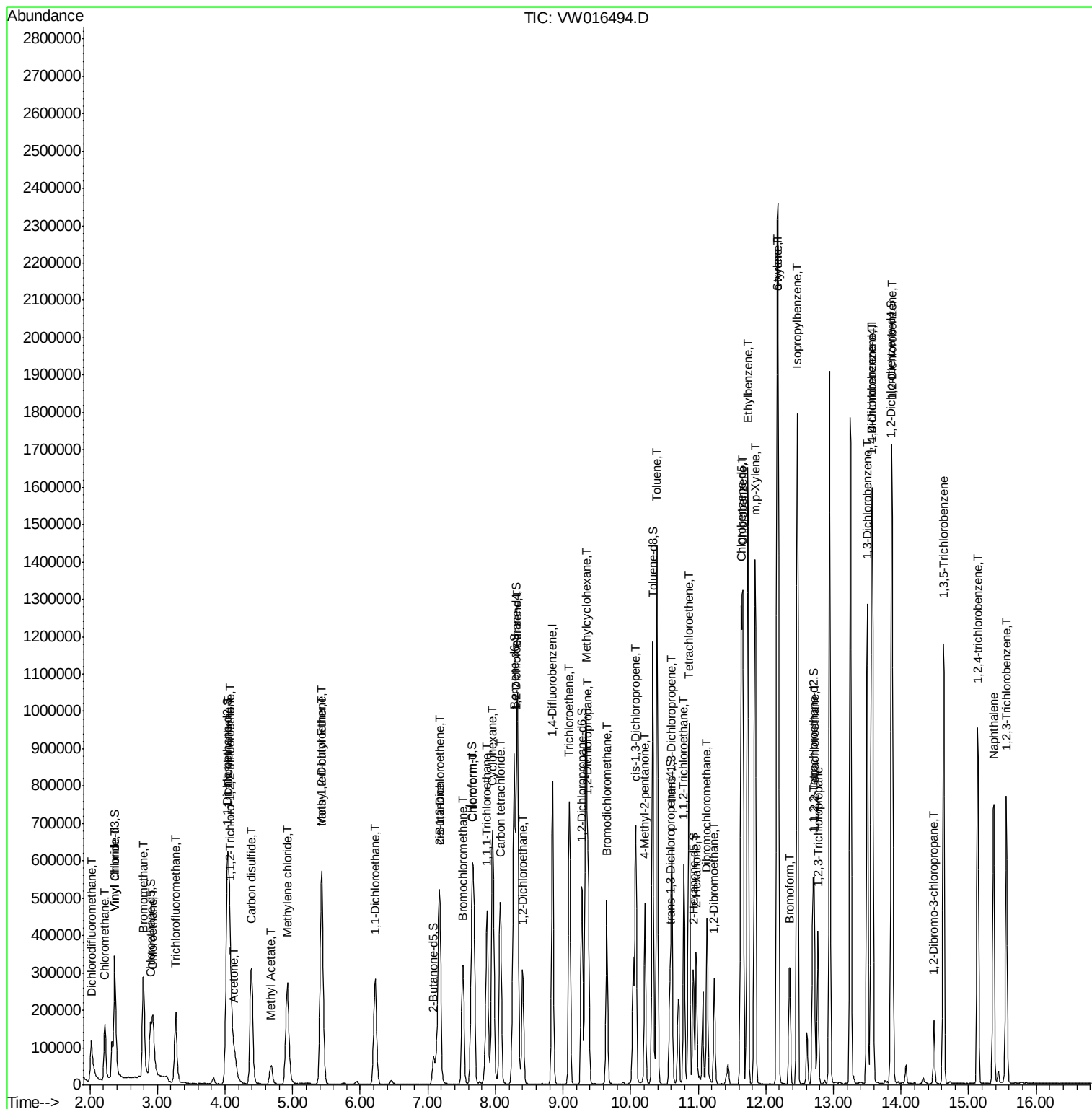
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	120770	26.421	ug/L	93
25) Chloroform	7.68	83	425456	25.515	ug/L	99
27) 1,2-Dichloroethane	8.40	62	276068	24.863	ug/L	100
30) Cyclohexane	7.96	56	374984	24.059	ug/L	94
31) 1,1,1-Trichloroethane	7.88	97	385563	27.290	ug/L	97
32) Carbon tetrachloride	8.07	117	367100	27.165	ug/L	99
34) Benzene	8.32	78	913903	25.618	ug/L	100
35) Trichloroethene	9.09	95	261823	26.487	ug/L	98
36) Methylcyclohexane	9.34	83	435534	25.182	ug/L	96
40) 1,2-Dichloropropane	9.37	63	217178	24.622	ug/L	100
41) Bromodichloromethane	9.65	83	322084	26.119	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	379928	25.382	ug/L	96
43) 4-Methyl-2-pentanone	10.21	43	300716	48.146	ug/L	97
44) Toluene	10.39	91	1040762	26.071	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	343089	25.643	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	188455	26.957	ug/L	95
47) Tetrachloroethene	10.87	164	207253	26.150	ug/L	97
49) 2-Hexanone	10.97	43	204279	46.963	ug/L	94
50) Dibromochloromethane	11.13	129	235394	26.629	ug/L	94
51) 1,2-Dibromoethane	11.24	107	189020	27.058	ug/L	98
52) Chlorobenzene	11.66	112	674170	26.623	ug/L	97
53) Ethylbenzene	11.73	91	1168300	25.983	ug/L	97
54) m,p-Xylene	11.84	106	461342	26.845	ug/L	95
55) o-xylene	12.16	106	437931	26.752	ug/L	97
56) Styrene	12.18	104	743157	26.422	ug/L	97
57) Isopropylbenzene	12.46	105	1208568	26.951	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	223596	26.830	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	164355	26.387	ug/L	100
62) Bromoform	12.35	173	142571	27.704	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	525315	27.207	ug/L	93
64) 1,4-Dichlorobenzene	13.58	146	506007	26.430	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	465820	27.142	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.49	75	40500	25.343	ug/L	98
67) 1,3,5-Trichlorobenzene	14.63	180	358548	26.942	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	300310	26.090	ug/L	97
69) Naphthalene	15.37	128	676026	27.827	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	258757	26.182	ug/L	99

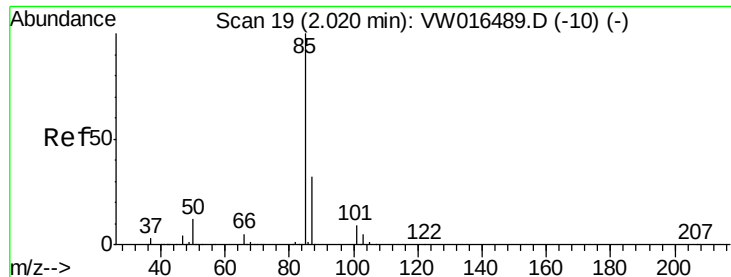
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 24.961 ug/L

RT: 2.02 min Scan# 19

Delta R.T. 0.00 min

Lab File: VW016494.D

Acq: 09 Sep 2020 09:22

Instrument :

MSVOA_W

ClientSampleId :

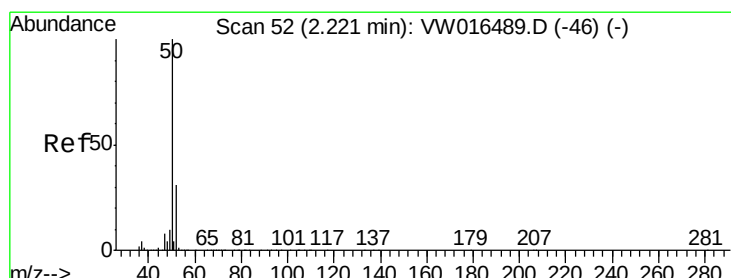
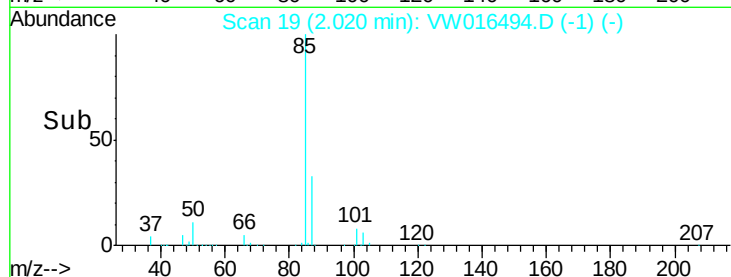
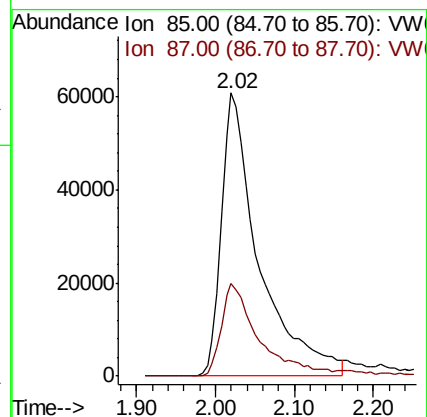
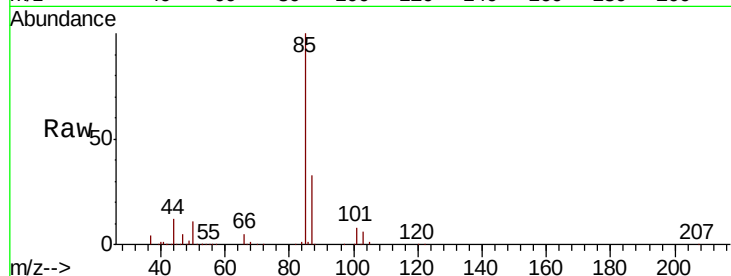
VSTD02515

Tot Ion: 85 Resp: 201953

Ion Ratio Lower Upper

85 100

87 28.7 22.3 41.5



#3

Chloromethane

Concen: 24.048 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.00 min

Lab File: VW016494.D

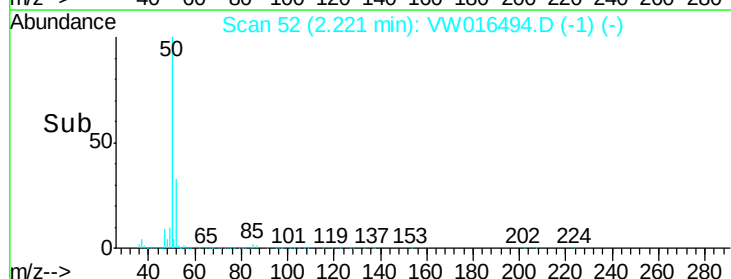
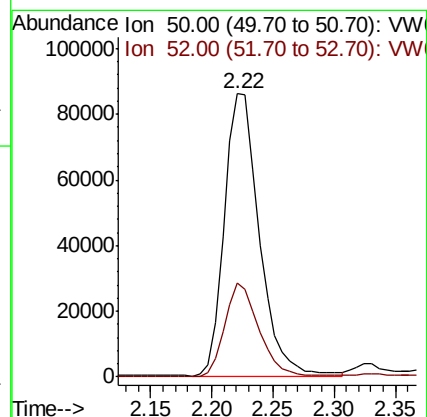
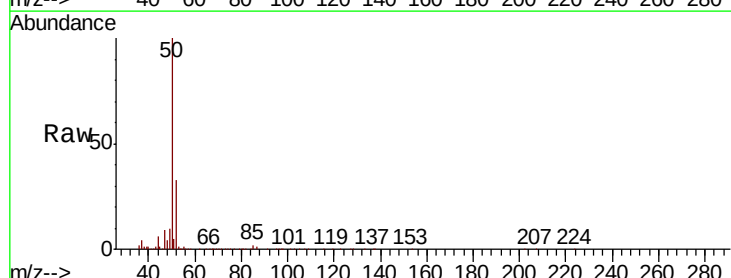
Acq: 09 Sep 2020 09:22

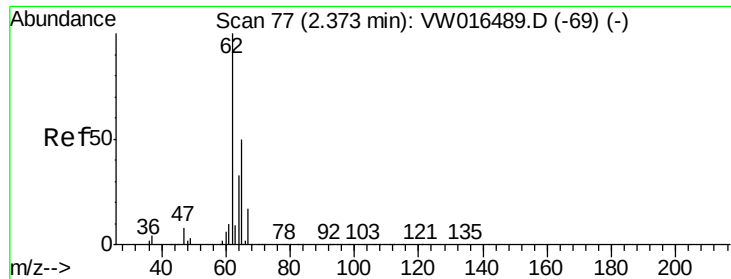
Tgt Ion: 50 Resp: 170819

Ion Ratio Lower Upper

50 100

52 33.3 23.0 42.6





#5

Vinyl chloride

Concen: 26.945 ug/L

RT: 2.37 min Scan# 77

Delta R.T. 0.00 min

Lab File: VW016494.D

Acq: 09 Sep 2020 09:22

Instrument :

MSVOA_W

ClientSampleId :

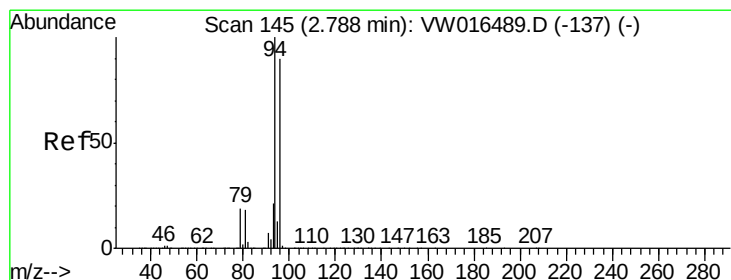
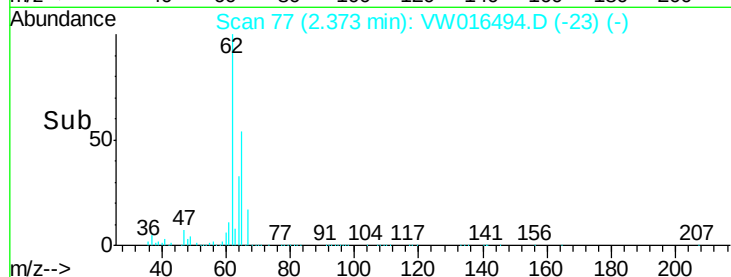
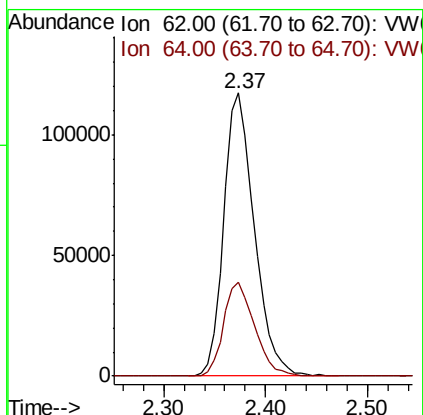
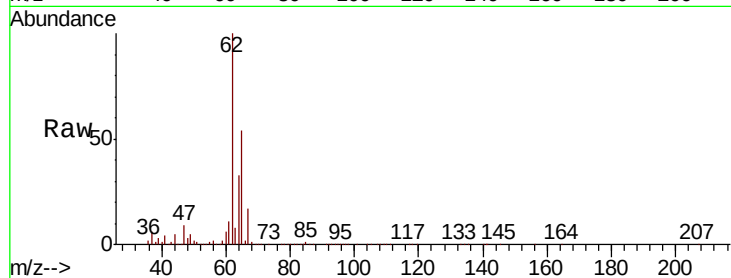
VSTD02515

Tot Ion: 62 Resp: 243783

Ion Ratio Lower Upper

62 100

64 33.3 23.9 44.5



#6

Bromomethane

Concen: 31.081 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW016494.D

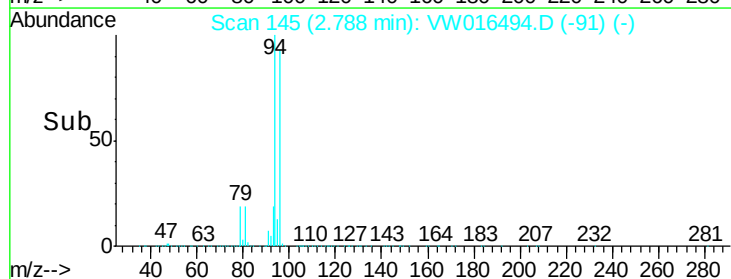
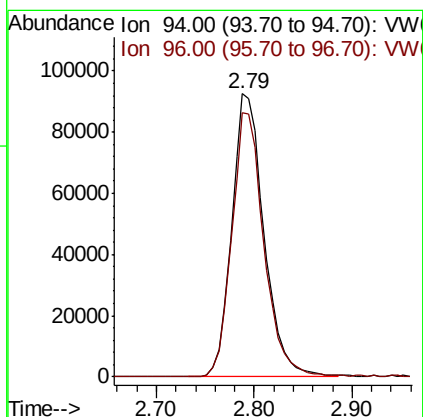
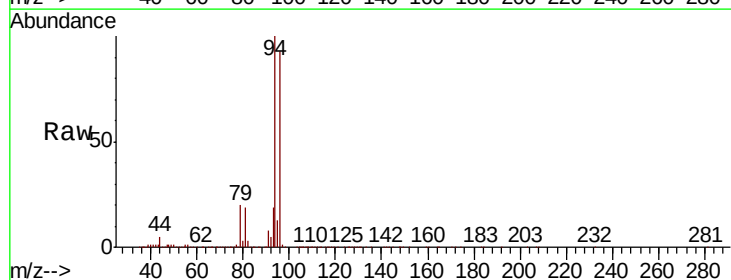
Acq: 09 Sep 2020 09:22

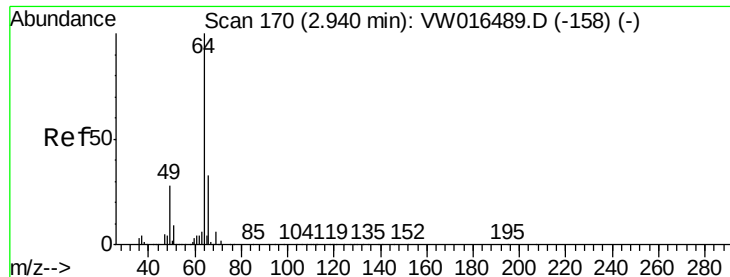
Tgt Ion: 94 Resp: 210179

Ion Ratio Lower Upper

94 100

96 93.0 9.4 178.2





#8

Chloroethane

Concen: 29.796 ug/L

RT: 2.93 min Scan# 169

Delta R.T. -0.01 min

Lab File: VW016494.D

Acq: 09 Sep 2020 09:22

Instrument :

MSVOA_W

ClientSampleId :

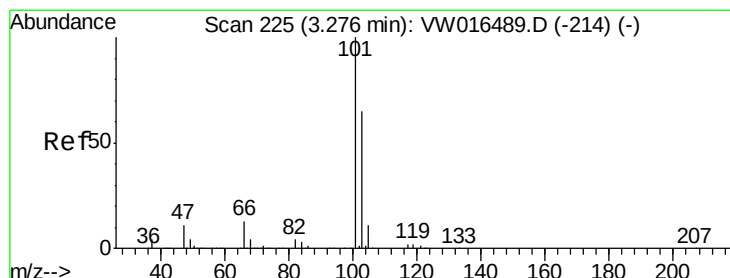
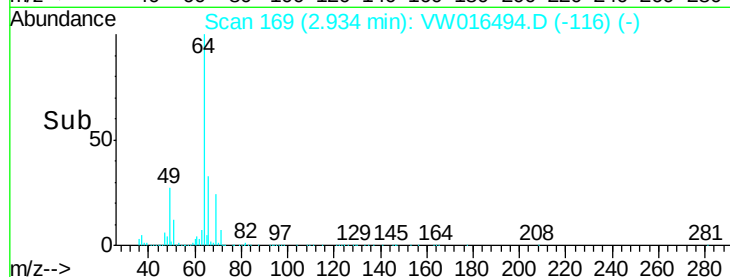
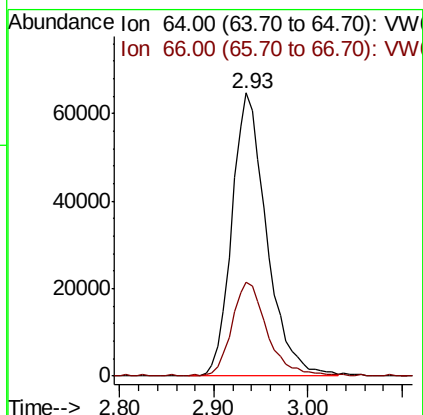
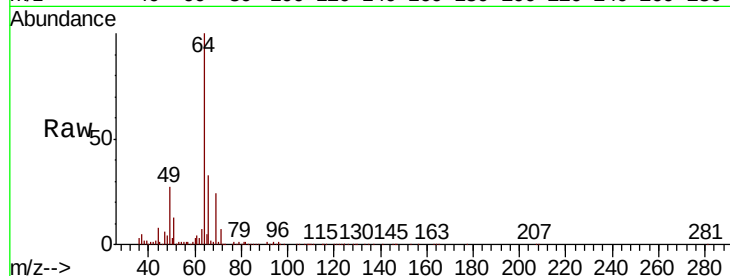
VSTD02515

Tot Ion: 64 Resp: 165841

Ion Ratio Lower Upper

64 100

66 33.3 22.4 41.6



#9

Trichlorofluoromethane

Concen: 28.758 ug/L

RT: 3.27 min Scan# 224

Delta R.T. -0.01 min

Lab File: VW016494.D

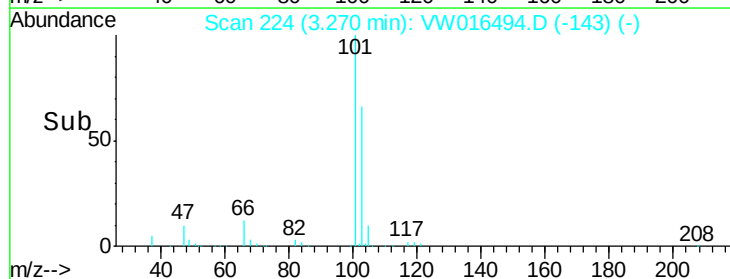
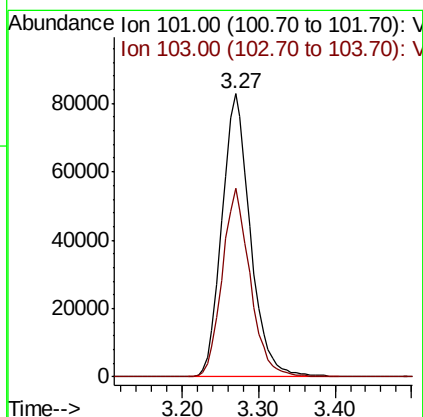
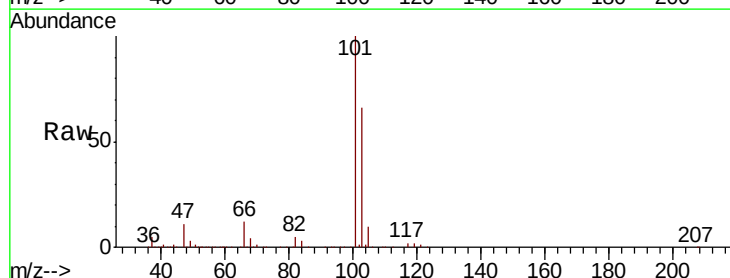
Acq: 09 Sep 2020 09:22

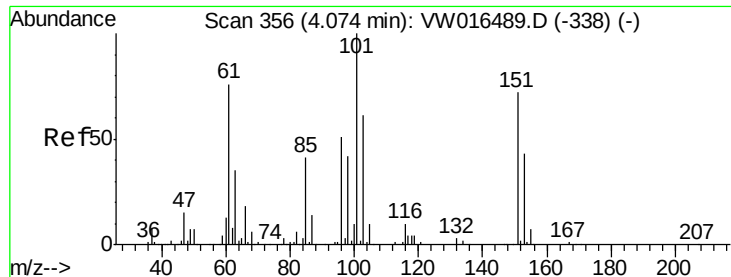
Tgt Ion: 101 Resp: 213084

Ion Ratio Lower Upper

101 100

103 65.4 45.1 83.7





#11

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

Concen: 27.004 ug/L

RT: 4.08 min Scan# 357

Delta R.T. 0.01 min

Lab File: VW016494.D

Acq: 09 Sep 2020 09:22

Instrument :

MSVOA_W

ClientSampled :

VSTD02515

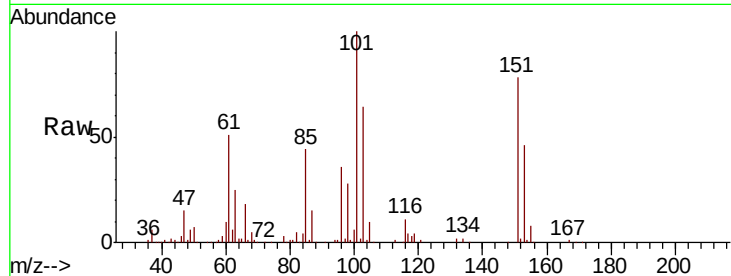
Tot Ion:101 Resp: 236661

Ion Ratio Lower Upper

101 100

85 44.2 33.4 50.0

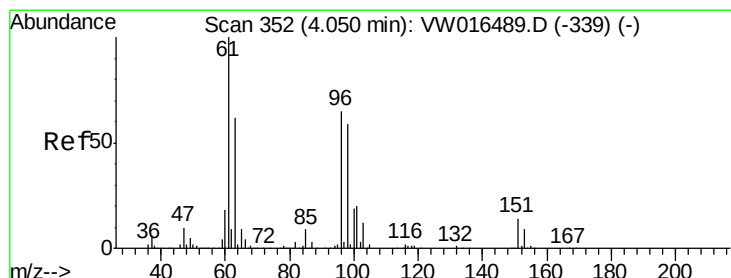
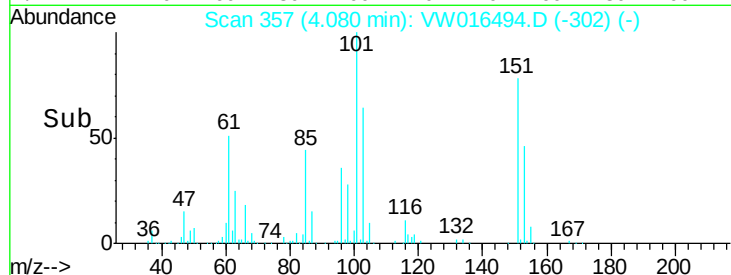
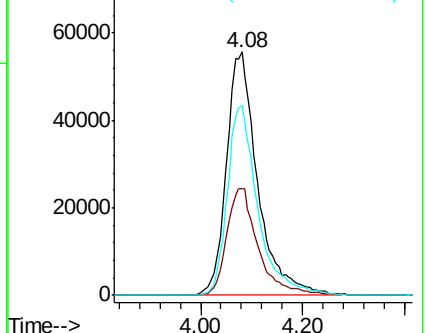
151 75.2 61.6 92.4



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: 26.432 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.01 min

Lab File: VW016494.D

Acq: 09 Sep 2020 09:22

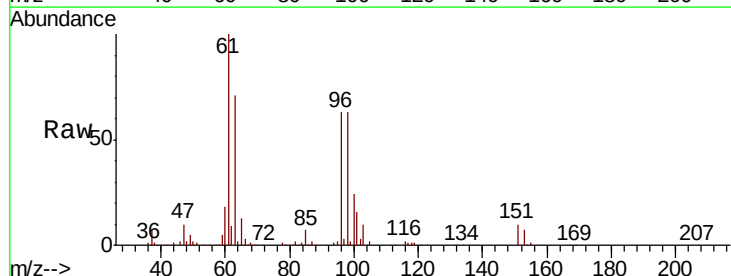
Tgt Ion: 96 Resp: 235540

Ion Ratio Lower Upper

96 100

61 158.0 116.5 216.3

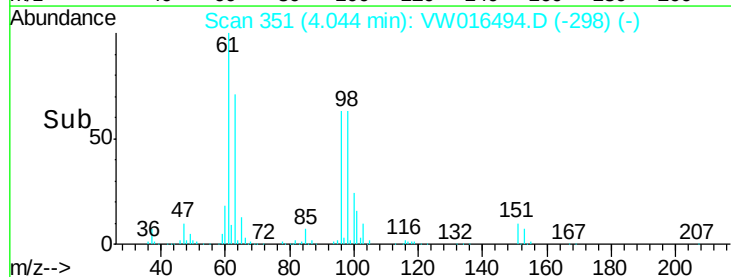
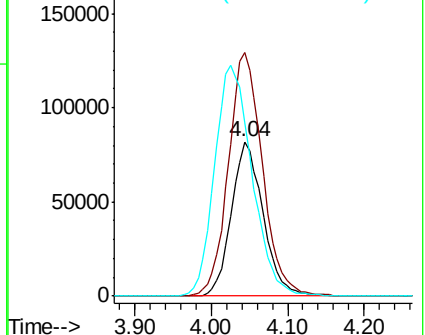
63 112.1 81.1 150.5

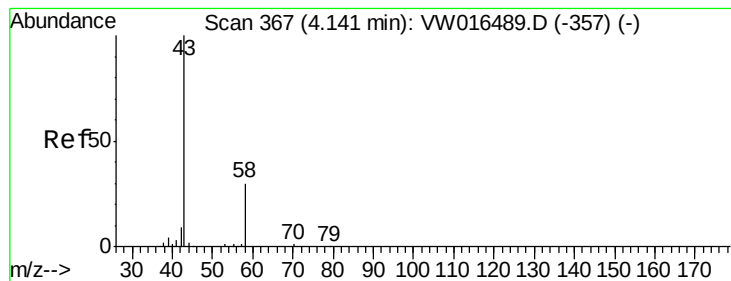


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 50.287 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.00 min

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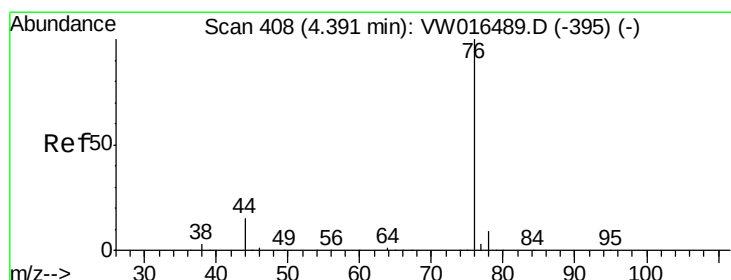
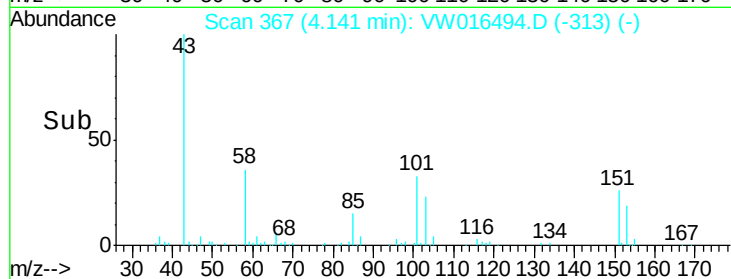
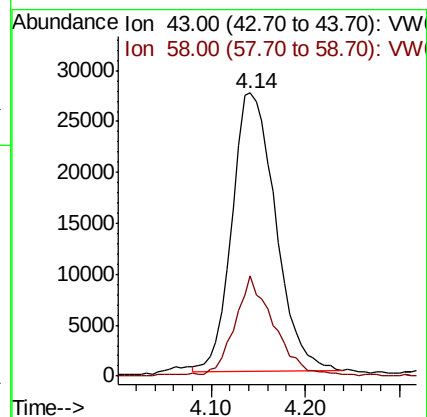
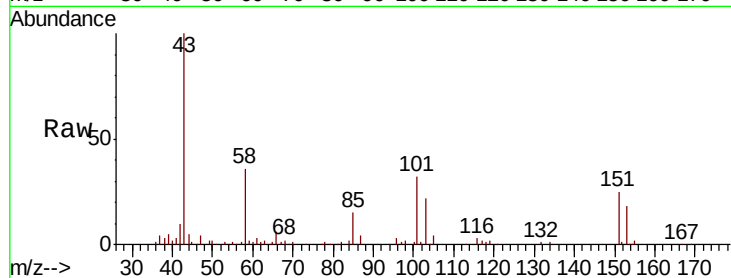
VSTD02515

Tot Ion: 43 Resp: 88439

Ion Ratio Lower Upper

43 100

58 32.3 0.0 63.0



#14

Carbon disulfide

Concen: 25.514 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.00 min

Lab File: VW016494.D

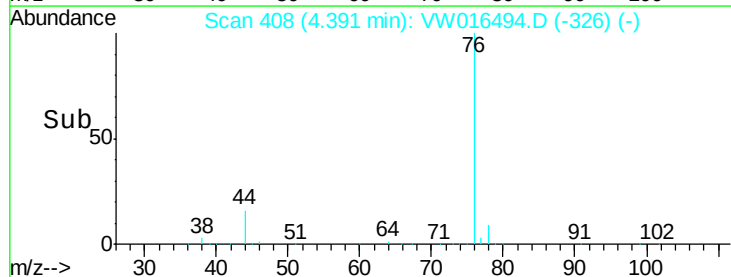
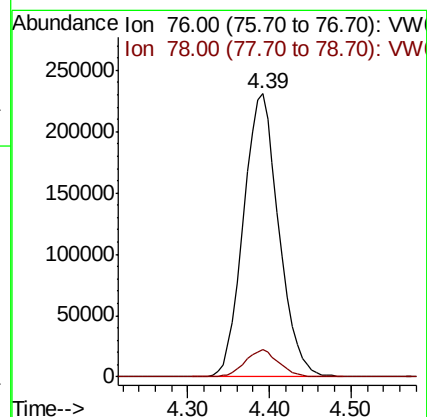
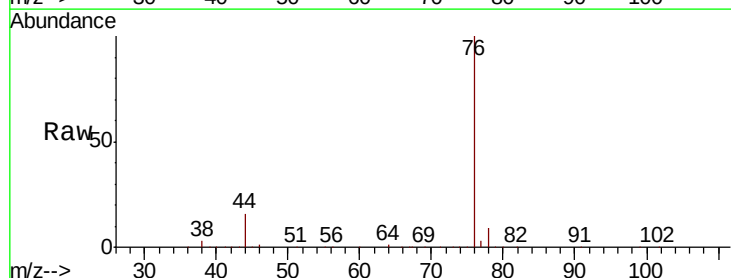
Acq: 09 Sep 2020 09:22

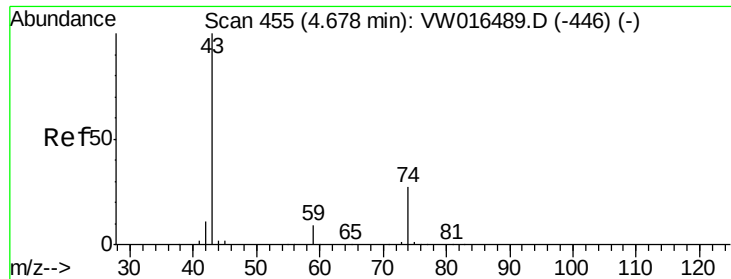
Tgt Ion: 76 Resp: 694827

Ion Ratio Lower Upper

76 100

78 9.5 7.3 10.9

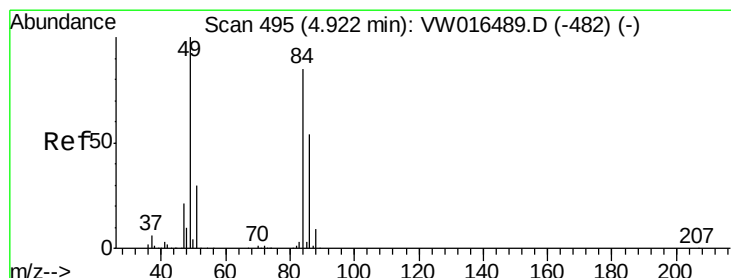
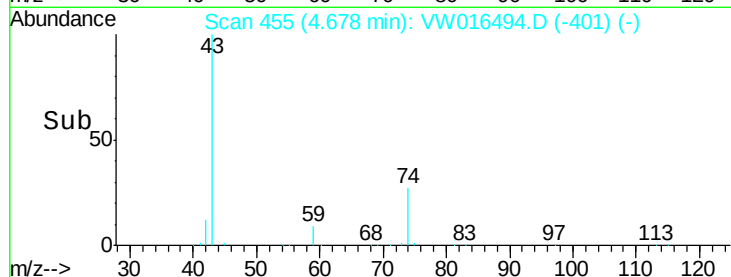
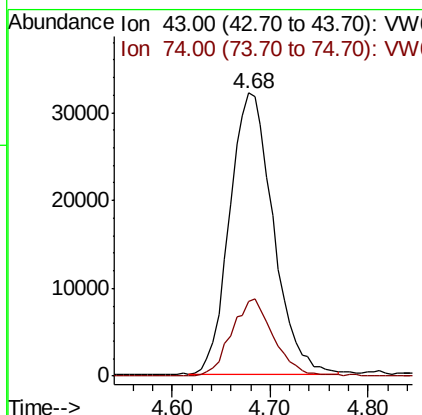
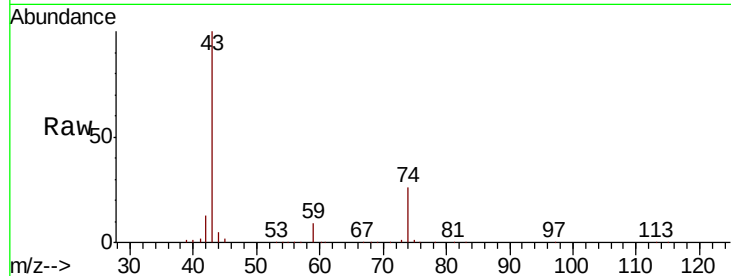




#15
Methvl Acetate
Concen: 23.311 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.00 min
Lab File: VW016494.D
Acq: 09 Sep 2020 09:22

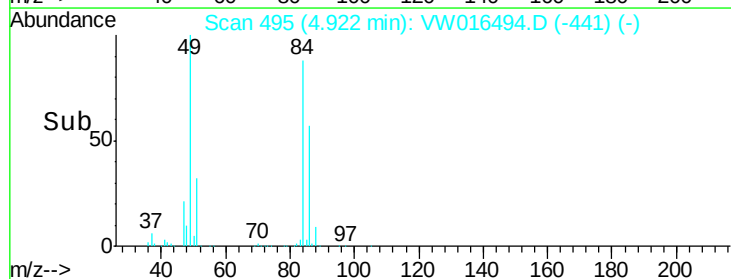
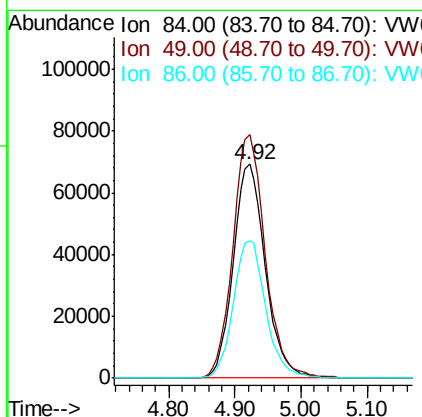
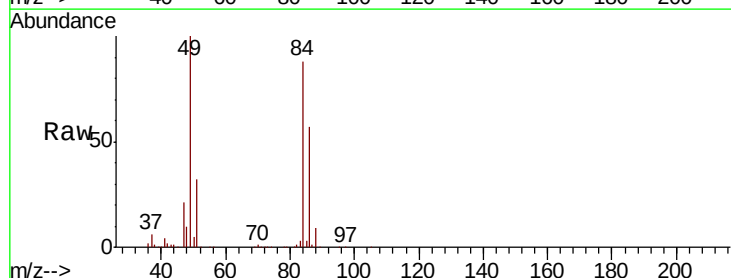
Instrument :
MSVOA_W
ClientSampleId :
VSTD02515

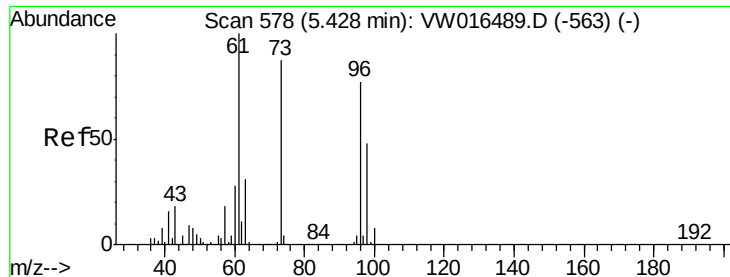
Tot Ion: 43 Resp: 99428
Ion Ratio Lower Upper
43 100
74 26.5 18.9 28.3



#16
Methylene chloride
Concen: 20.736 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW016494.D
Acq: 09 Sep 2020 09:22

Tgt Ion: 84 Resp: 234029
Ion Ratio Lower Upper
84 100
49 114.0 86.7 160.9
86 64.5 44.9 83.5

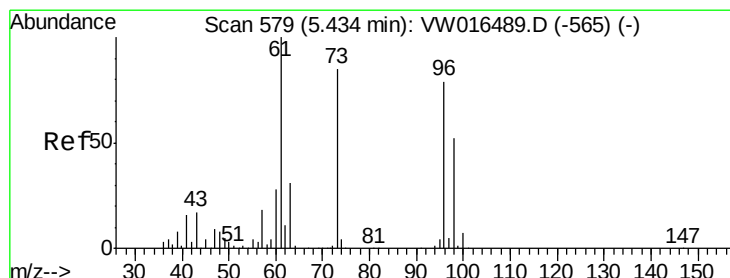
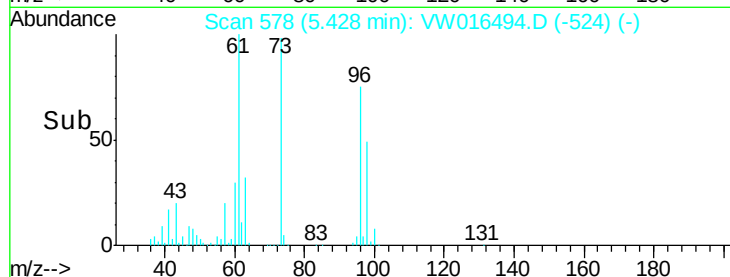
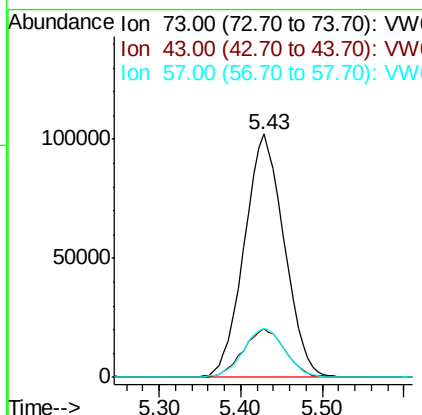
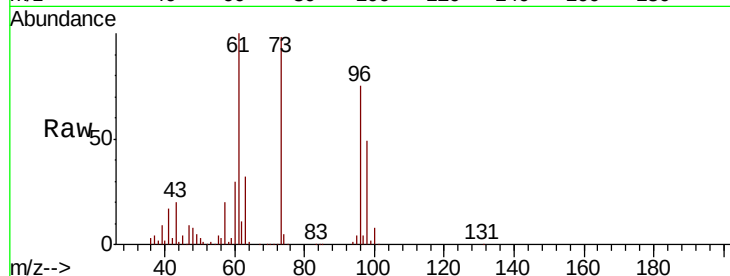




#17
Methyl tert-butyl Ether
Concen: 26.073 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW016494.D
Acq: 09 Sep 2020 09:22

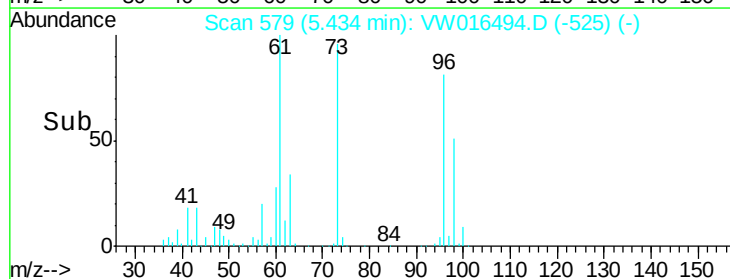
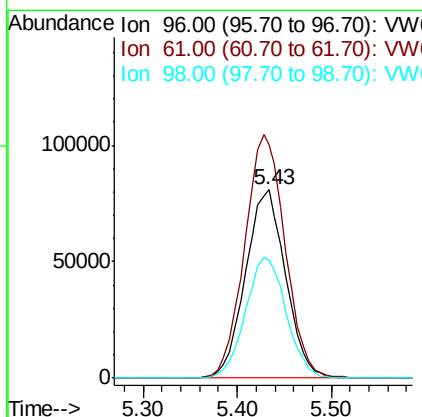
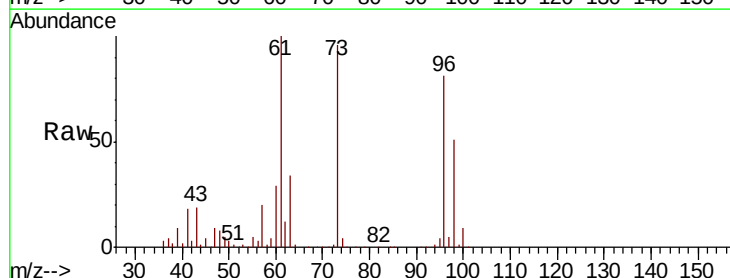
Instrument :
MSVOA_W
ClientSampleId :
VSTD02515

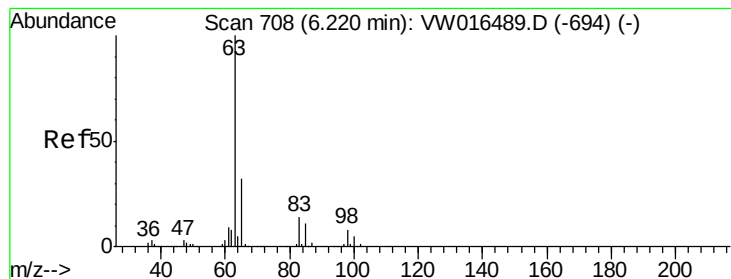
Tot Ion	Ratio	Lower	Upper
73	100		
43	20.5	17.9	26.9
57	20.8	17.4	26.0



#18
trans-1,2-Dichloroethene
Concen: 25.567 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.00 min
Lab File: VW016494.D
Acq: 09 Sep 2020 09:22

Tgt Ion	Ratio	Lower	Upper
96	100		
61	123.8	96.4	179.0
98	63.1	45.1	83.7





#19

1,1-Dichloroethane

Concen: 24.737 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW016494.D

Acq: 09 Sep 2020 09:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD02515

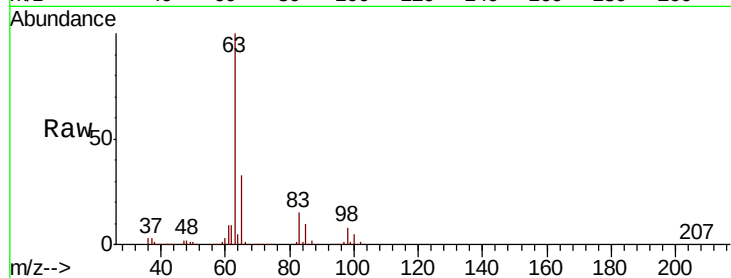
Tot Ion: 63 Resp: 398513

Ion Ratio Lower Upper

63 100

65 32.9 23.3 43.3

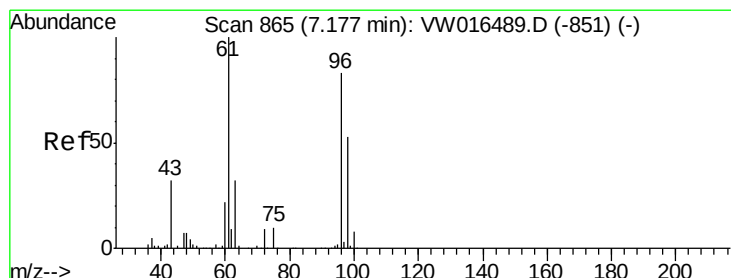
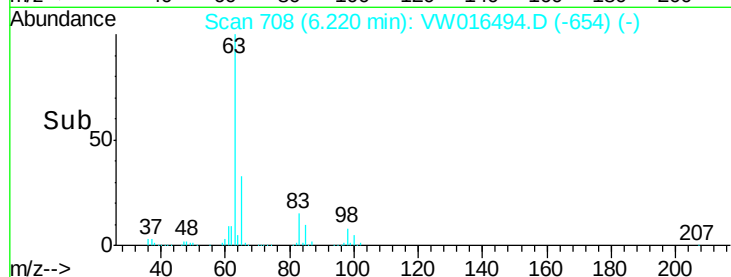
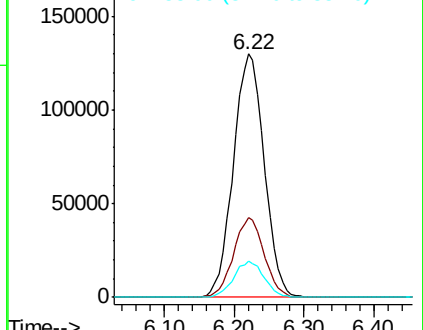
83 14.9 10.3 19.1



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 65.00 (64.70 to 65.70): VW

Ion 83.00 (82.70 to 83.70): VW



#21

2-Butanone

Concen: 44.656 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW016494.D

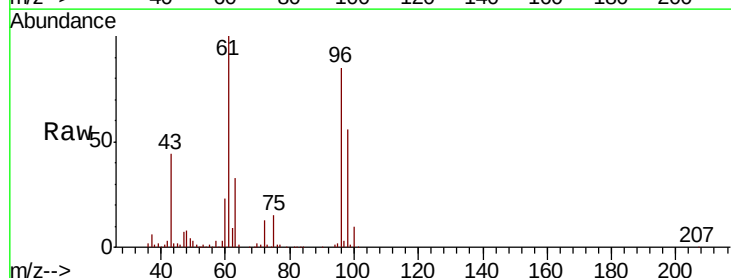
Acq: 09 Sep 2020 09:22

Tgt Ion: 43 Resp: 131815

Ion Ratio Lower Upper

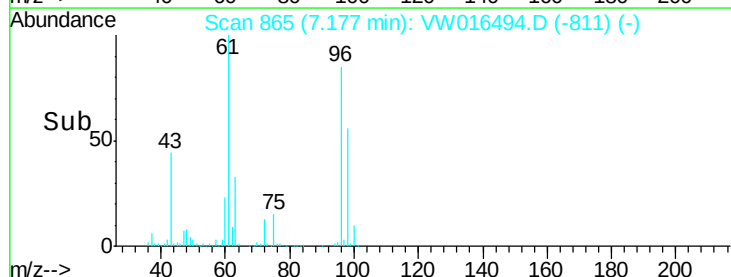
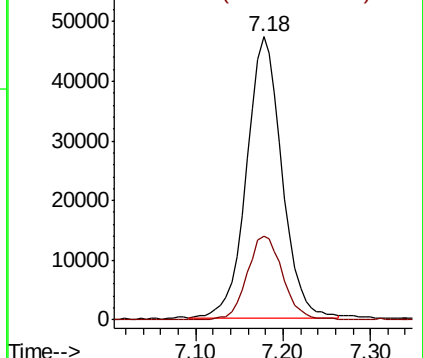
43 100

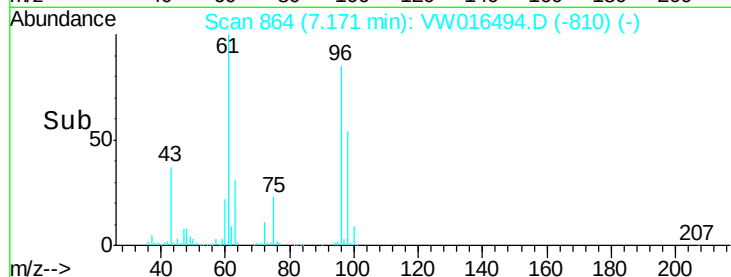
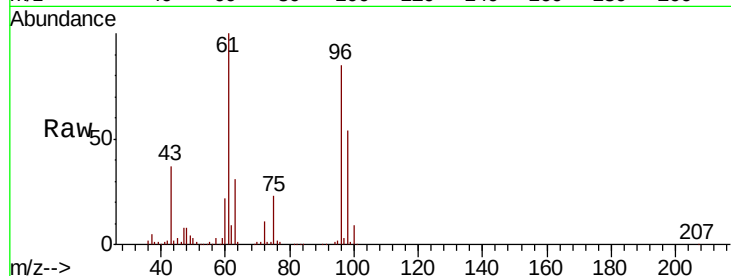
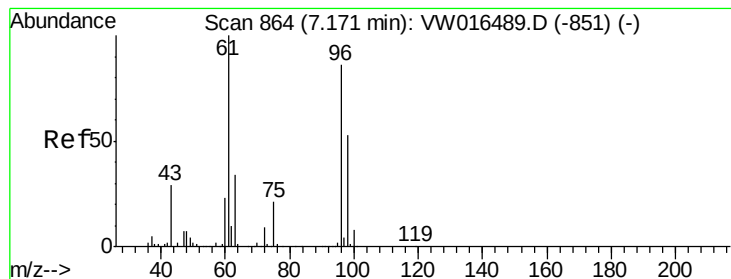
72 30.1 13.5 40.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#22

cis-1,2-Dichloroethene

Concen: 26.096 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW016494.D

Acq: 09 Sep 2020 09:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD02515

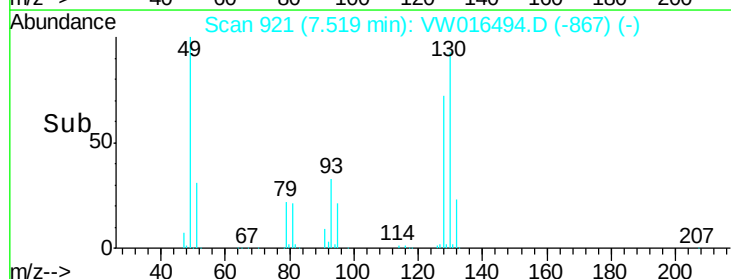
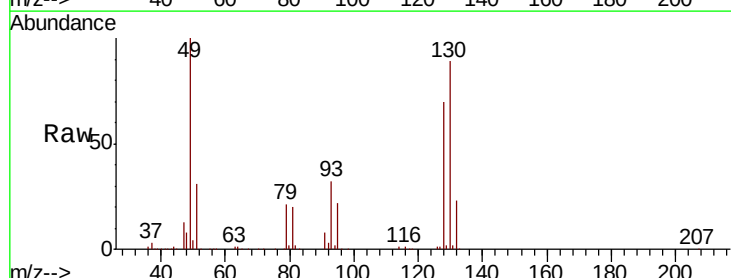
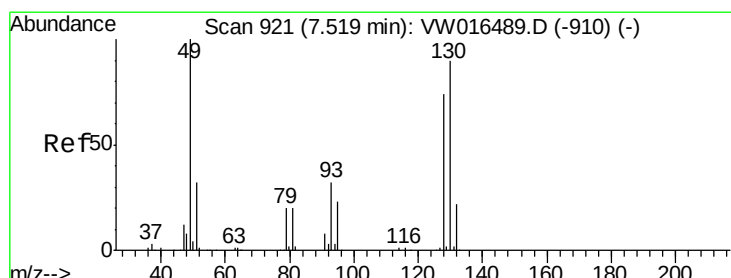
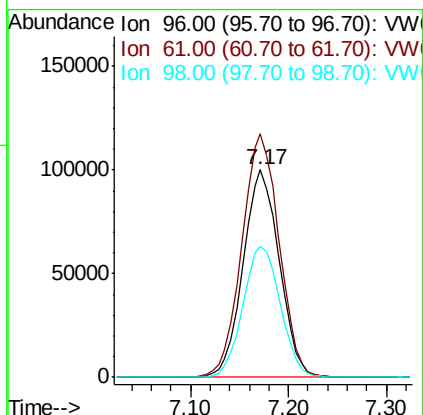
Tot Ion: 96 Resp: 257333

Ion Ratio Lower Upper

96 100

61 117.3 86.1 159.9

98 63.1 44.1 81.9



#23

Bromochloromethane

Concen: 26.421 ug/L

RT: 7.52 min Scan# 921

Delta R.T. 0.00 min

Lab File: VW016494.D

Acq: 09 Sep 2020 09:22

Tgt Ion: 128 Resp: 120770

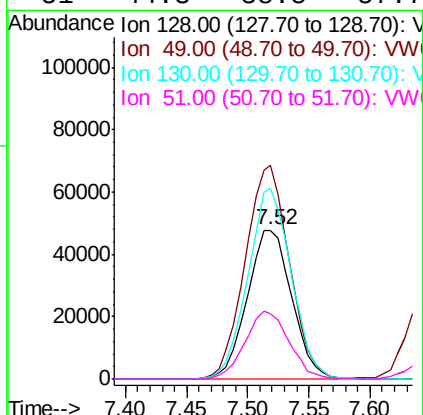
Ion Ratio Lower Upper

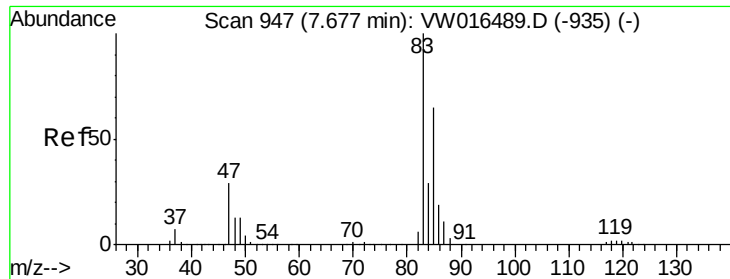
128 100

49 143.5 111.6 207.4

130 128.2 90.9 168.7

51 44.3 38.5 57.7

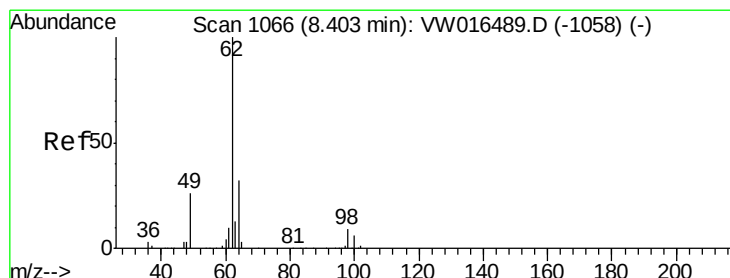
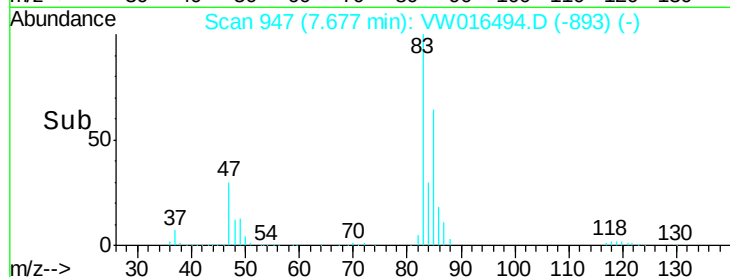
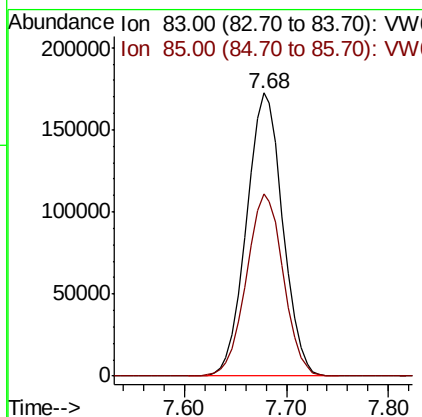
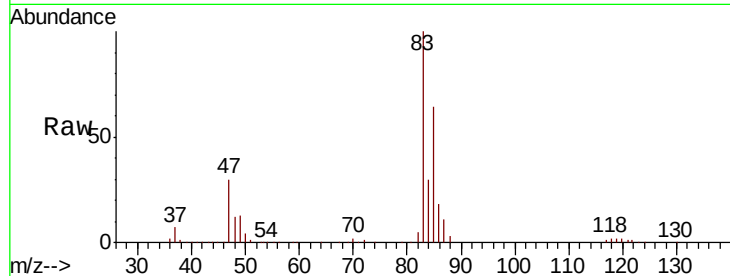




#25
Chloroform
Concen: 25.515 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW016494.D
Acq: 09 Sep 2020 09:22

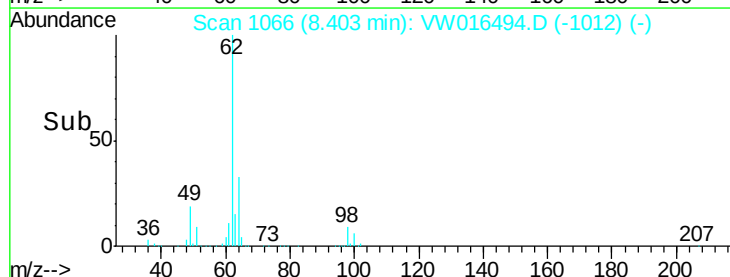
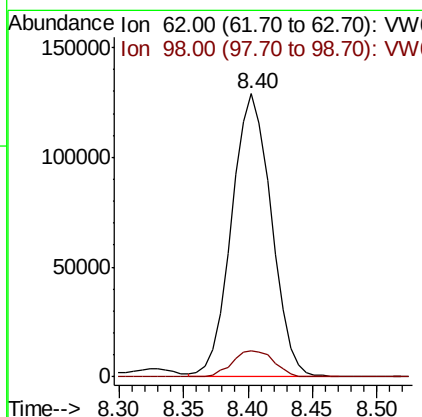
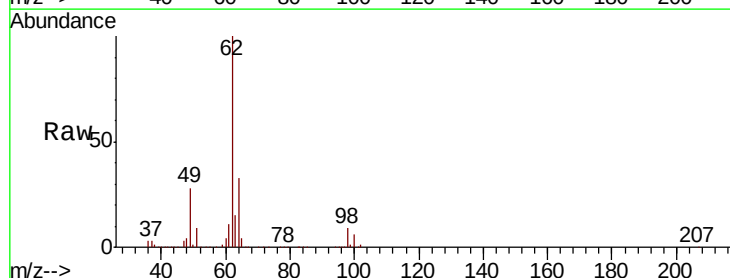
Instrument :
MSVOA_W
ClientSampleId :
VSTD02515

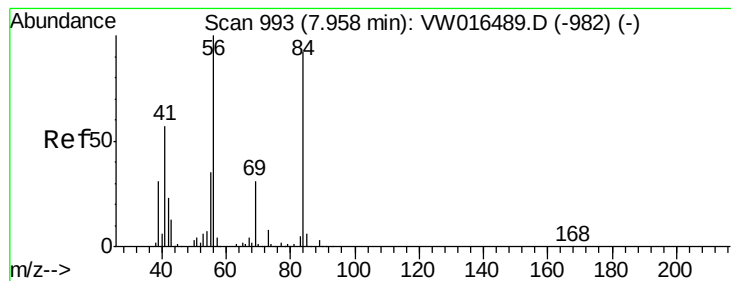
Tot Ion: 83 Resp: 425456
Ion Ratio Lower Upper
83 100
85 65.7 45.6 84.8



#27
1,2-Dichloroethane
Concen: 24.863 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW016494.D
Acq: 09 Sep 2020 09:22

Tgt Ion: 62 Resp: 276068
Ion Ratio Lower Upper
62 100
98 9.1 7.3 10.9





#30

Cyclohexane

Concen: 24.059 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW016494.D

Acq: 09 Sep 2020 09:22

Instrument :

MSVOA_W

ClientSampled :

VSTD02515

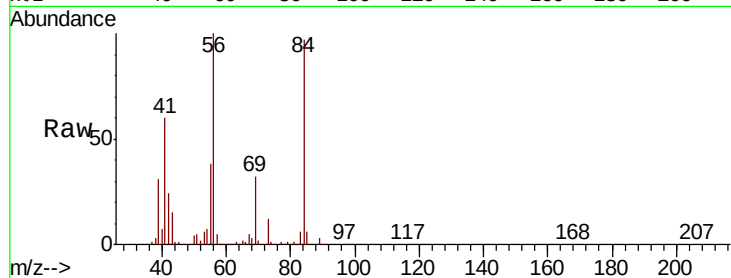
Tot Ion: 56 Resp: 374984

Ion Ratio Lower Upper

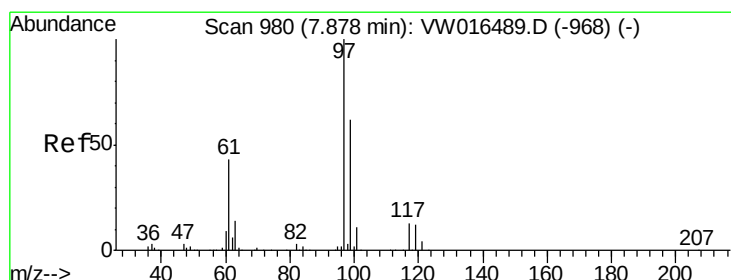
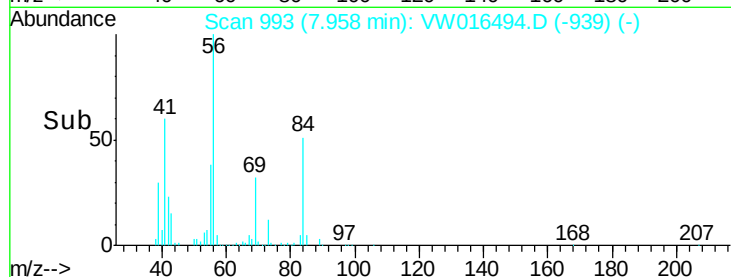
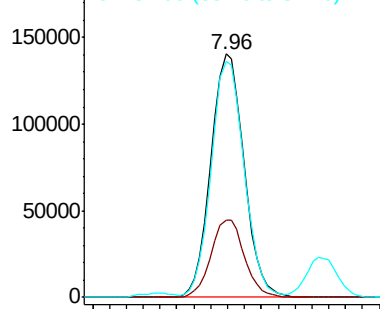
56 100

69 32.1 25.3 37.9

84 96.8 71.6 107.4



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: 27.290 ug/L

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW016494.D

Acq: 09 Sep 2020 09:22

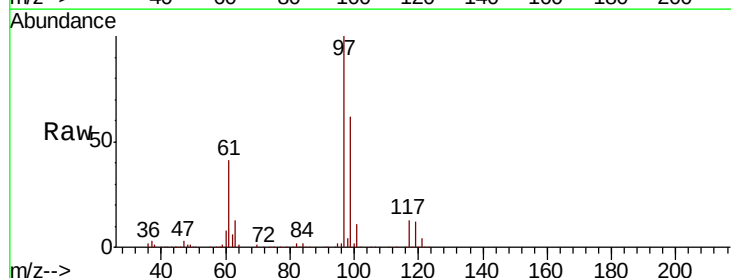
Tgt Ion: 97 Resp: 385563

Ion Ratio Lower Upper

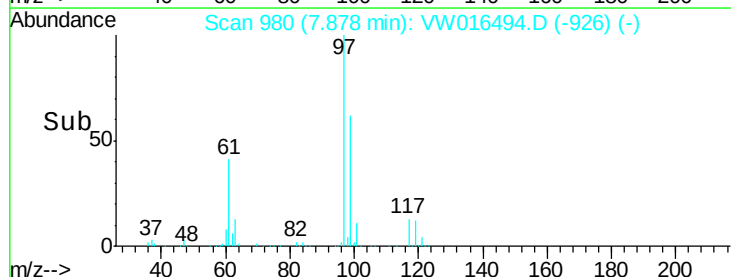
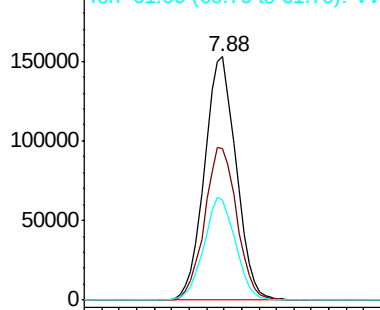
97 100

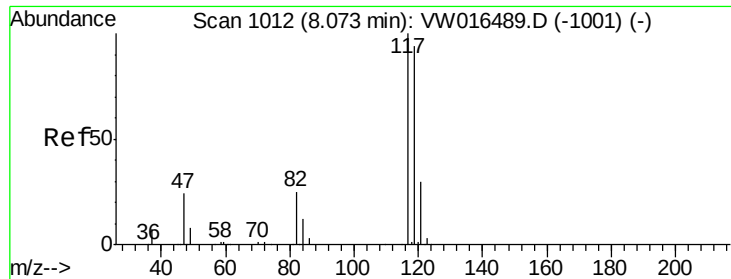
99 63.6 52.2 78.2

61 42.0 36.3 54.5



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: 27.165 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VW016494.D

Acq: 09 Sep 2020 09:22

Instrument :

MSVOA_W

ClientSampleId :

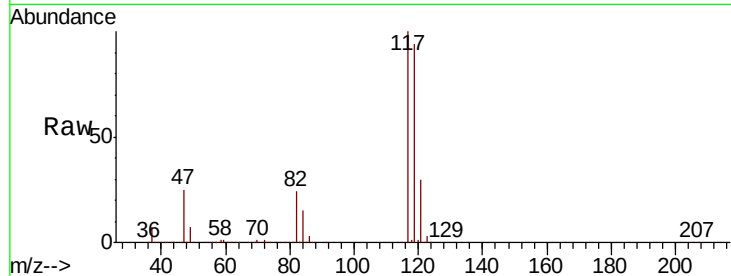
VSTD02515

Tot Ion:117 Resp: 367100

Ion Ratio Lower Upper

117 100

119 96.7 77.8 116.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

150000

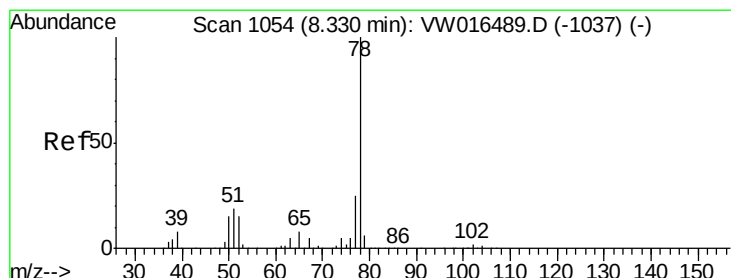
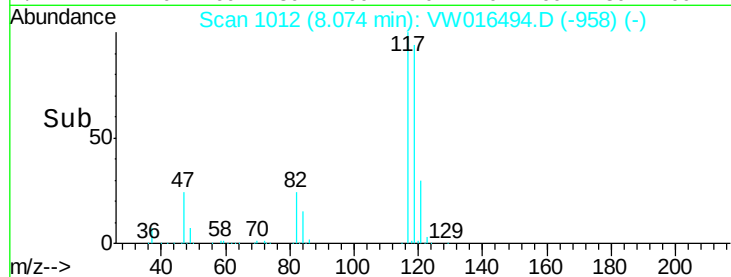
100000

50000

0

8.00 8.10 8.20

Time-->



#34

Benzene

Concen: 25.618 ug/L

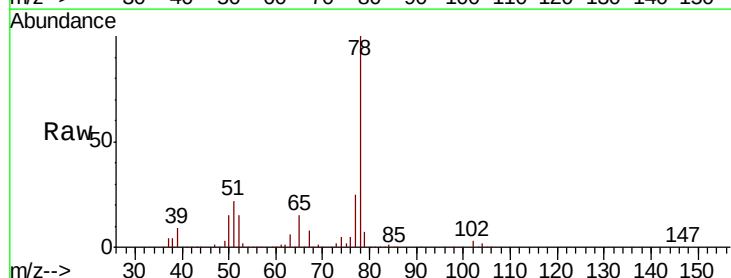
RT: 8.32 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VW016494.D

Acq: 09 Sep 2020 09:22

Tgt Ion: 78 Resp: 913903



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

400000

300000

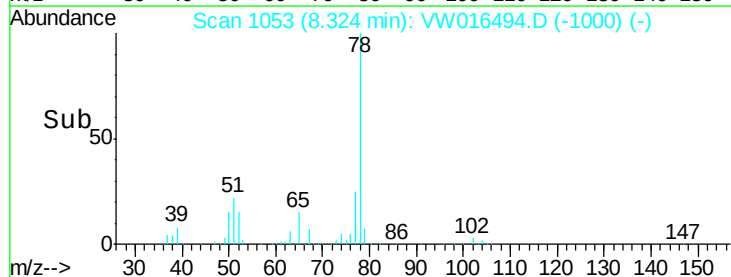
200000

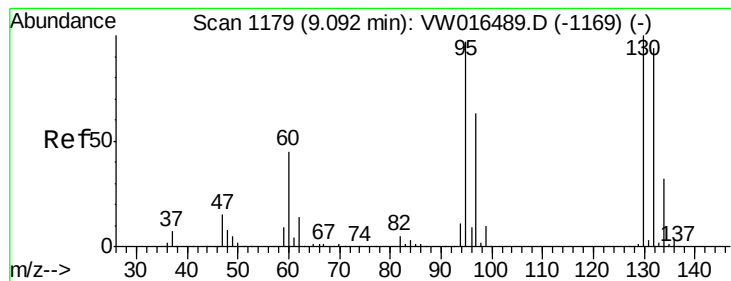
100000

0

8.20 8.30 8.40

Time-->





#35

Trichloroethene

Concen: 26.487 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW016494.D

Acq: 09 Sep 2020 09:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD02515

Tot Ion: 95 Resp: 261823

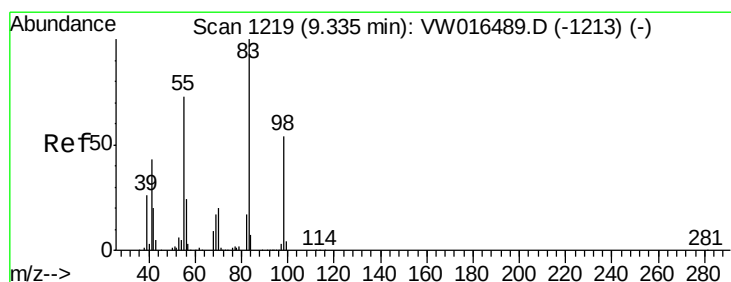
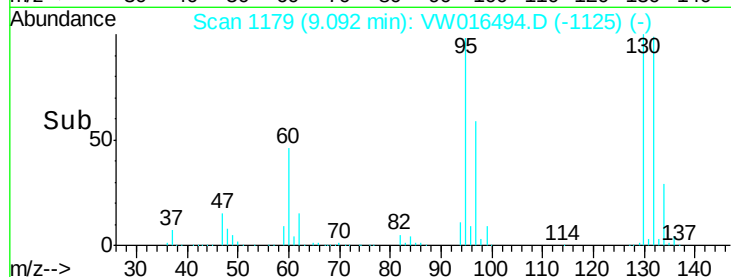
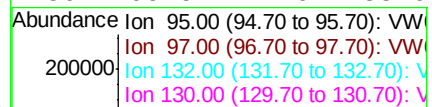
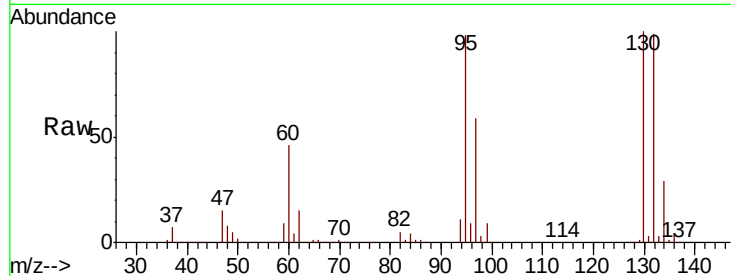
Ion Ratio Lower Upper

95 100

97 62.7 44.9 83.5

132 99.1 69.2 128.4

130 105.5 72.0 133.6



#36

Methylcyclohexane

Concen: 25.182 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW016494.D

Acq: 09 Sep 2020 09:22

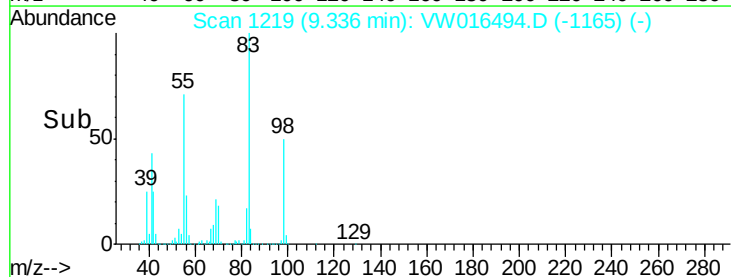
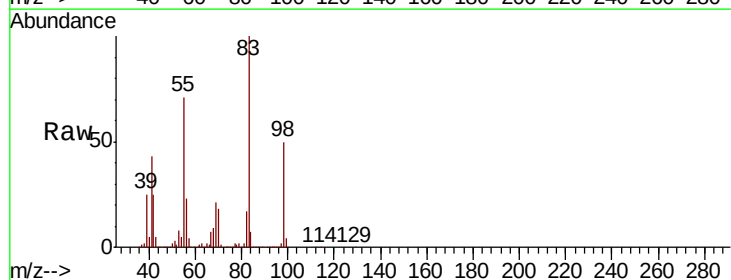
Tgt Ion: 83 Resp: 435534

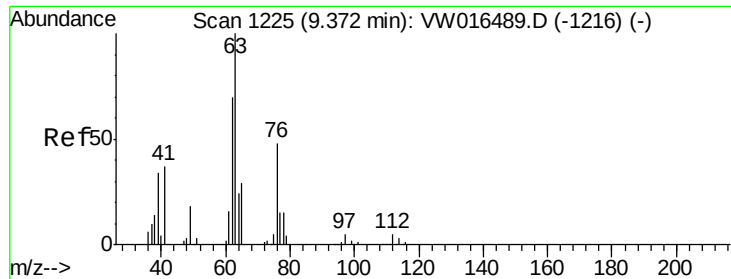
Ion Ratio Lower Upper

83 100

55 71.2 60.9 91.3

98 51.2 40.0 60.0





#40

1,2-Dichloropropane

Concen: 24.622 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW016494.D

Acq: 09 Sep 2020 09:22

Instrument :

MSVOA_W

ClientSampleId :

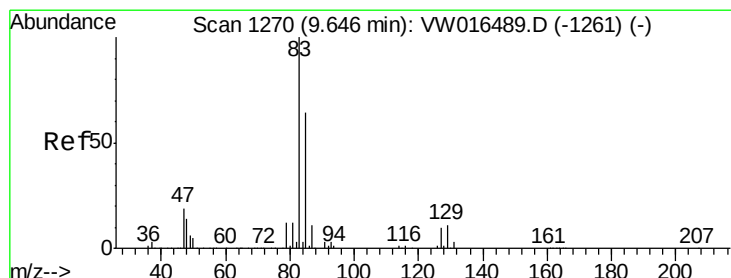
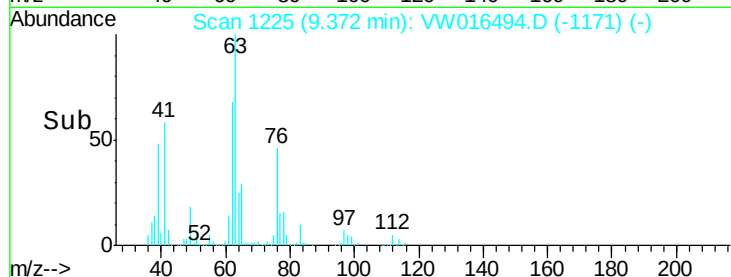
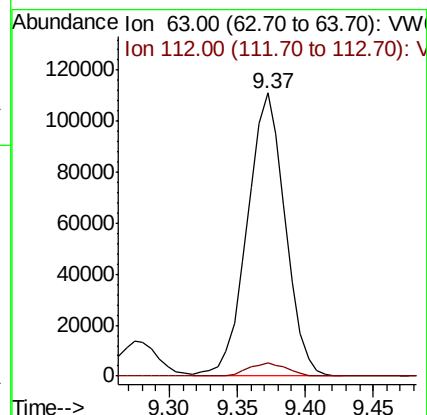
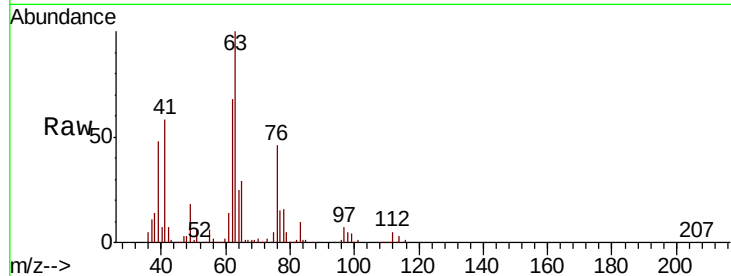
VSTD02515

Tot Ion: 63 Resp: 217178

Ion Ratio Lower Upper

63 100

112 4.9 3.8 5.8



#41

Bromodichloromethane

Concen: 26.119 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW016494.D

Acq: 09 Sep 2020 09:22

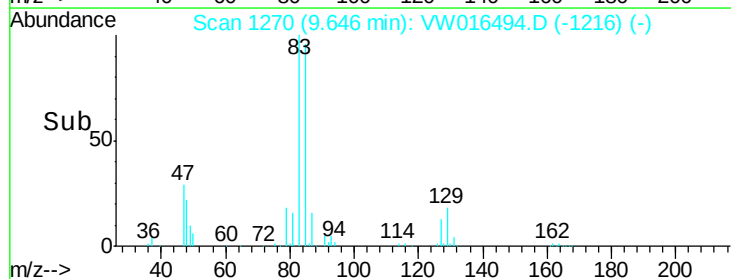
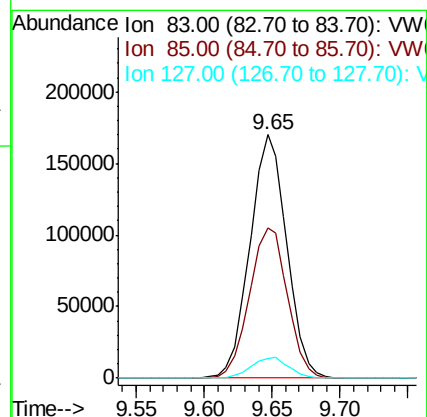
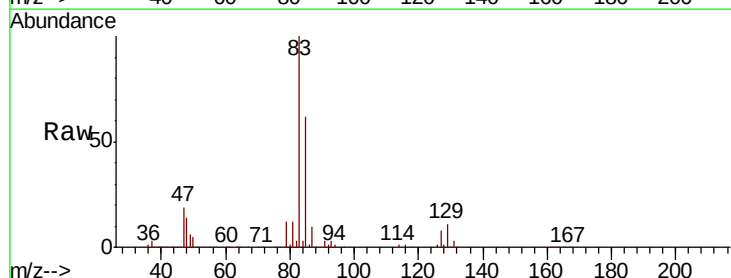
Tgt Ion: 83 Resp: 322084

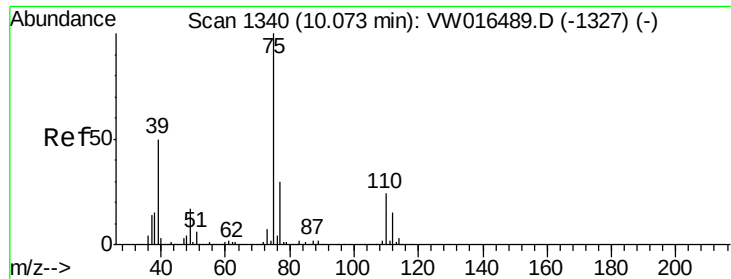
Ion Ratio Lower Upper

83 100

85 61.6 43.5 80.7

127 8.2 6.7 10.1

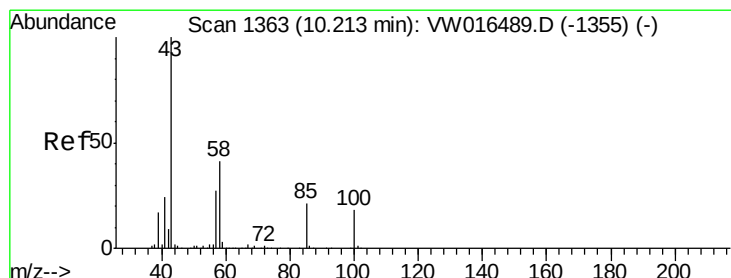
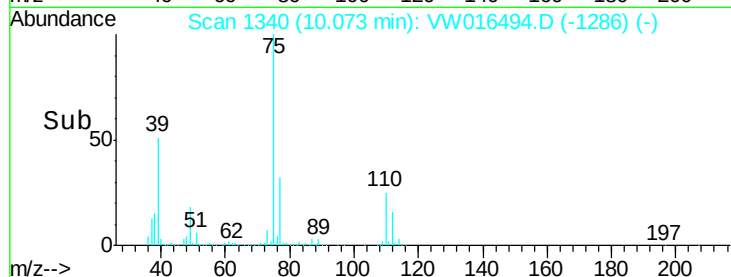
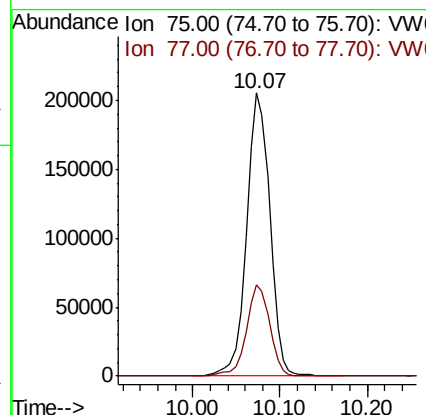
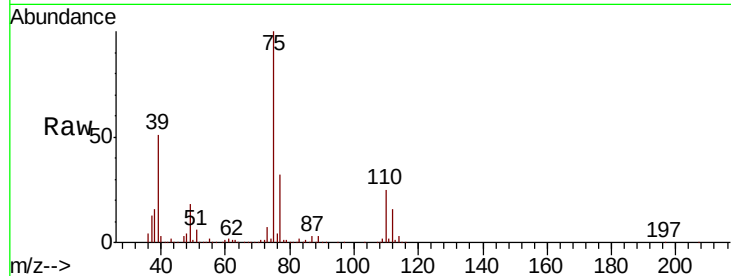




#42
 cis-1,3-Dichloropropene
 Concen: 25.382 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW016494.D
 Acq: 09 Sep 2020 09:22

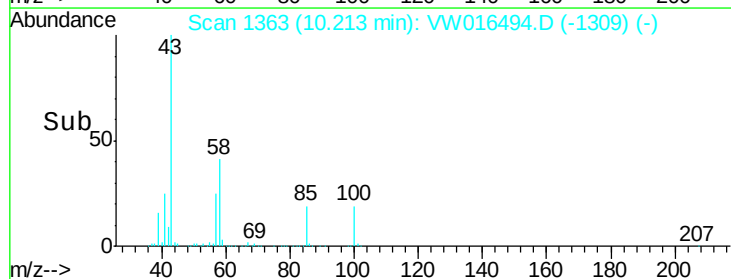
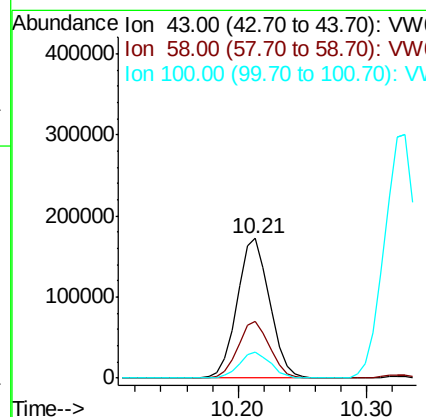
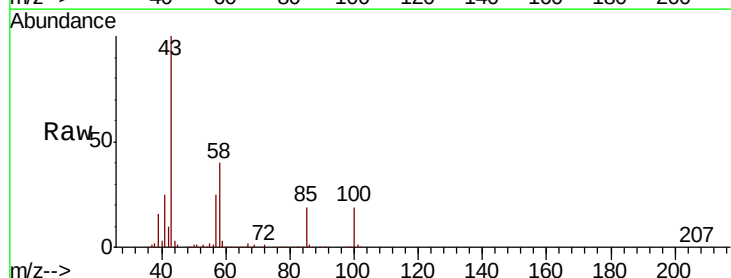
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02515

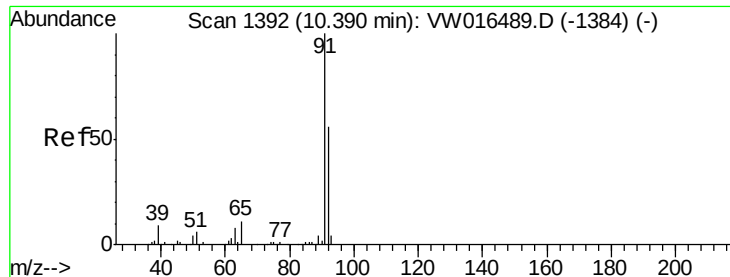
Tot Ion: 75 Resp: 379928
 Ion Ratio Lower Upper
 75 100
 77 32.1 20.9 38.7



#43
 4-Methyl-2-pentanone
 Concen: 48.146 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW016494.D
 Acq: 09 Sep 2020 09:22

Tgt Ion: 43 Resp: 300716
 Ion Ratio Lower Upper
 43 100
 58 40.0 30.6 45.8
 100 18.0 13.0 19.6





#44

Toluene

Concen: 26.071 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016494.D

Acq: 09 Sep 2020 09:22

Instrument :

MSVOA_W

ClientSampleId :

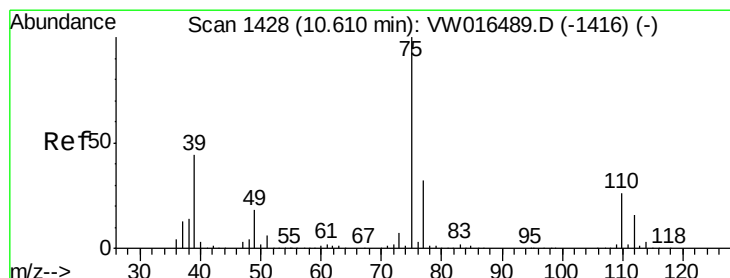
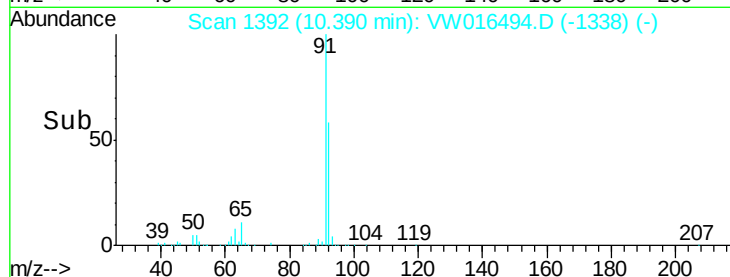
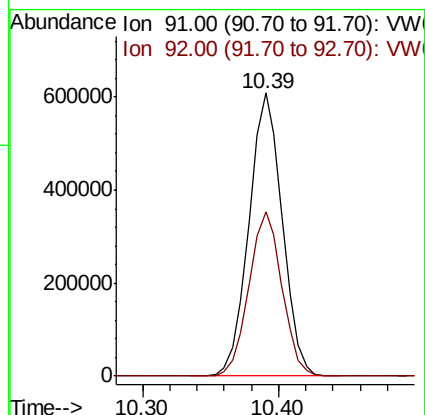
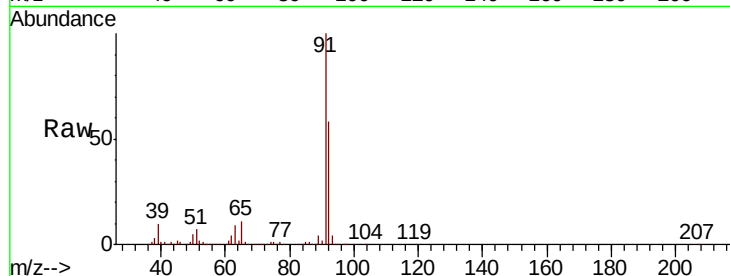
VSTD02515

Tot Ion: 91 Resp: 1040762

Ion Ratio Lower Upper

91 100

92 57.9 39.5 73.4



#45

trans-1,3-Dichloropropene

Concen: 25.643 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW016494.D

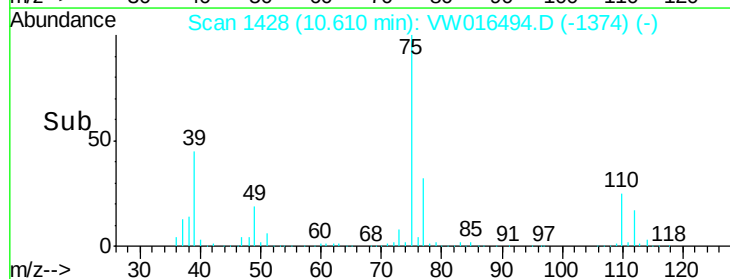
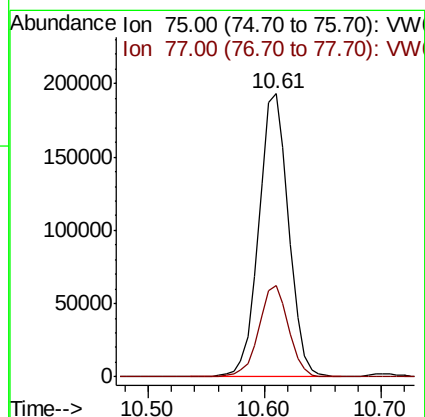
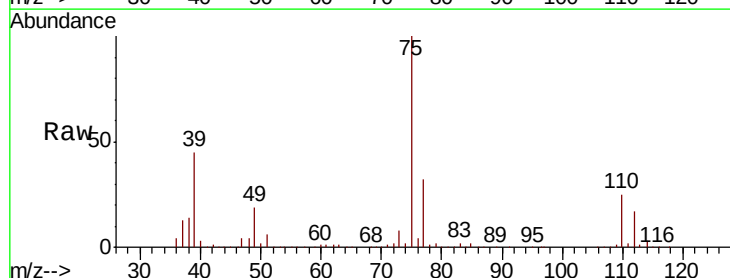
Acq: 09 Sep 2020 09:22

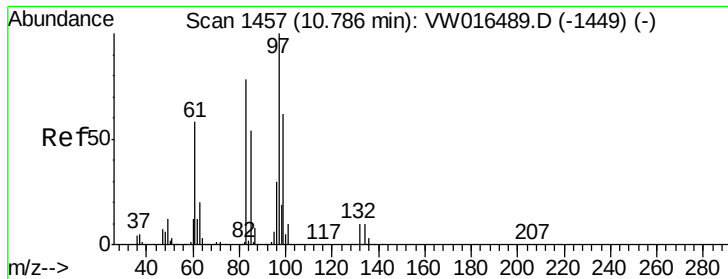
Tgt Ion: 75 Resp: 343089

Ion Ratio Lower Upper

75 100

77 32.3 21.9 40.7





#46

1,1,2-Trichloroethane

Concen: 26.957 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW016494.D

Acq: 09 Sep 2020 09:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD02515

Tot Ion: 97 Resp: 188455

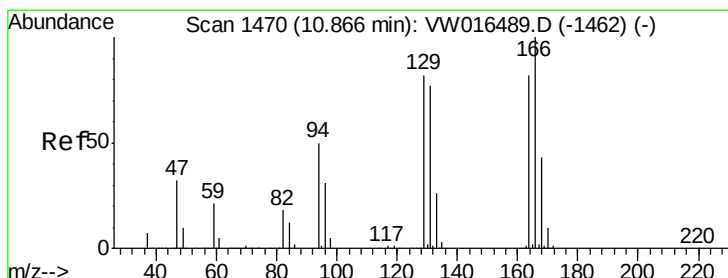
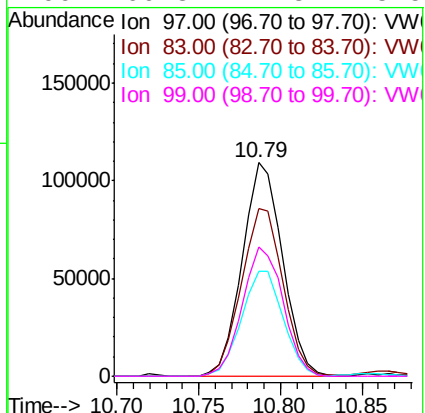
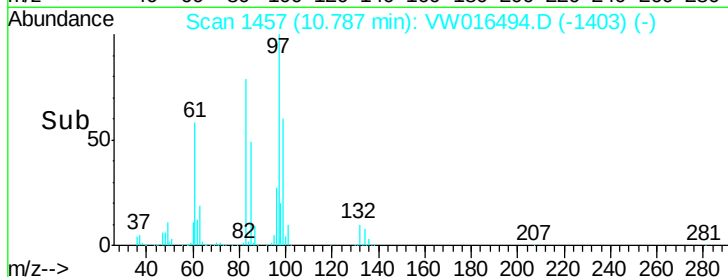
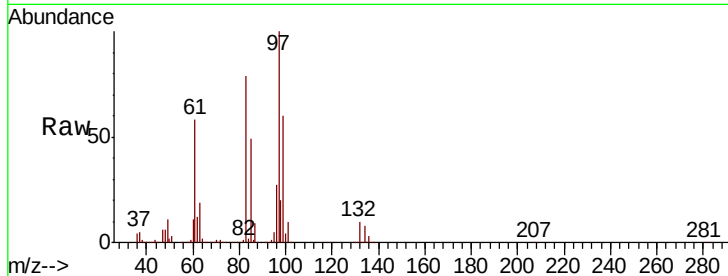
Ion	Ratio	Lower	Upper
97	100		
83	78.6	59.7	110.9
85	49.5	37.6	69.8
99	60.3	42.3	78.5

97 100

83 78.6 59.7 110.9

85 49.5 37.6 69.8

99 60.3 42.3 78.5



#47

Tetrachloroethene

Concen: 26.150 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW016494.D

Acq: 09 Sep 2020 09:22

Tgt Ion: 164 Resp: 207253

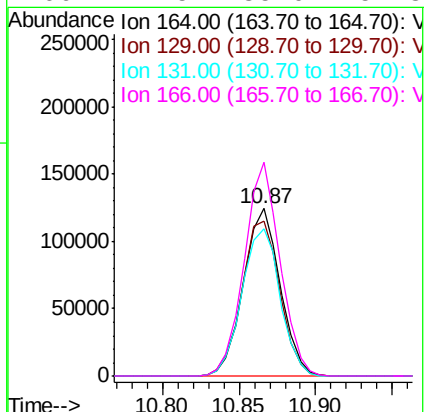
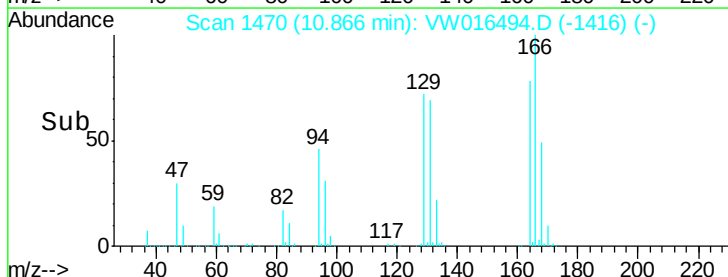
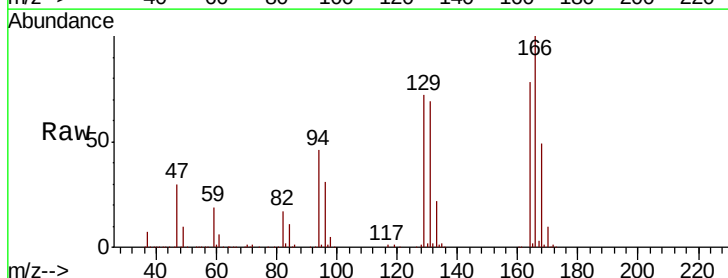
Ion	Ratio	Lower	Upper
164	100		
129	92.4	65.7	121.9
131	88.2	61.1	113.5
166	127.5	85.0	157.8

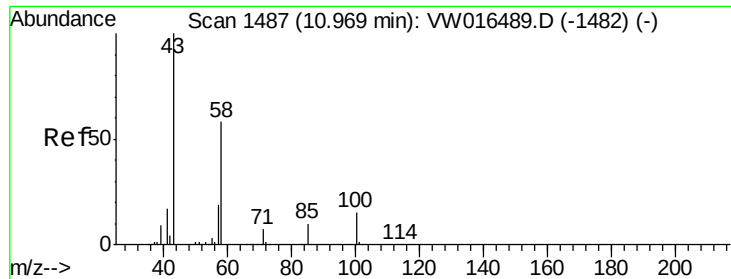
164 100

129 92.4 65.7 121.9

131 88.2 61.1 113.5

166 127.5 85.0 157.8





#49

2-Hexanone

Concen: 46.963 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW016494.D

Acq: 09 Sep 2020 09:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD02515

Tot Ion: 43 Resp: 204279

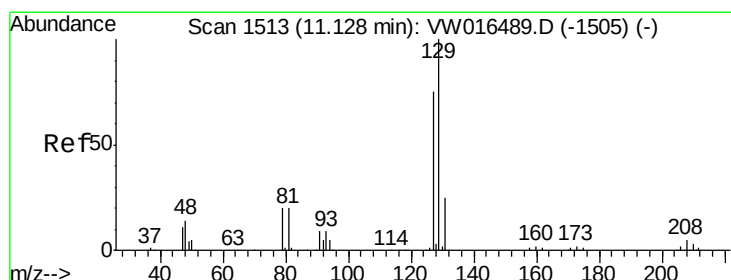
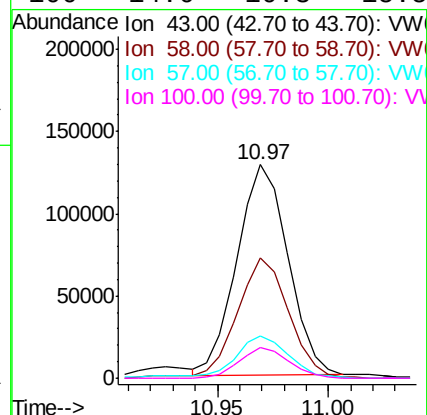
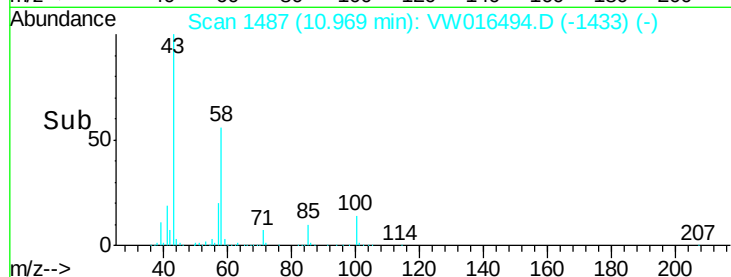
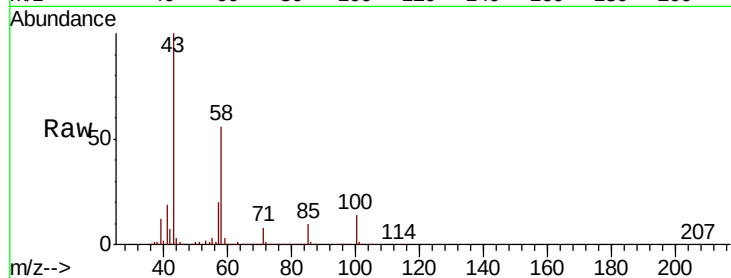
Ion Ratio Lower Upper

43 100

58 58.0 42.1 63.1

57 20.4 14.9 22.3

100 14.6 10.3 15.5



#50

Dibromochloromethane

Concen: 26.629 ug/L

RT: 11.13 min Scan# 1514

Delta R.T. 0.01 min

Lab File: VW016494.D

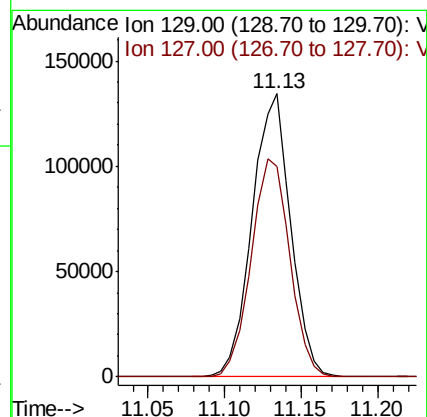
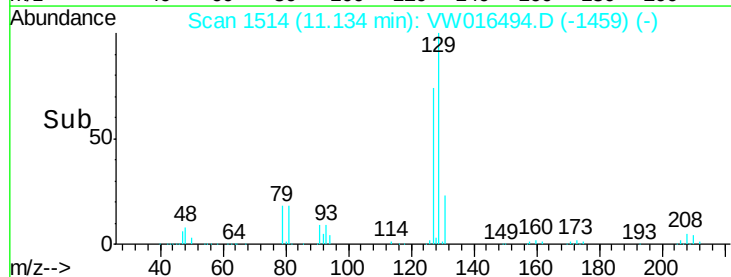
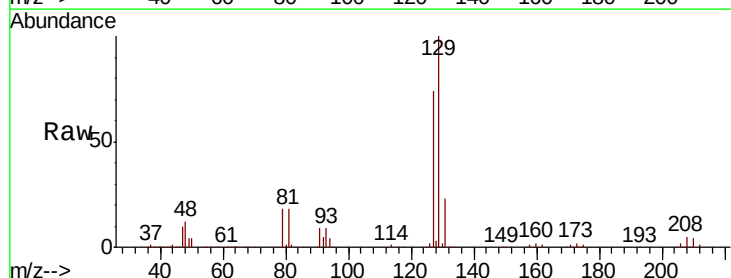
Acq: 09 Sep 2020 09:22

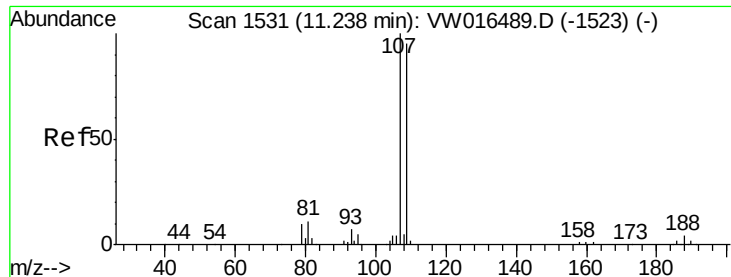
Tgt Ion: 129 Resp: 235394

Ion Ratio Lower Upper

129 100

127 74.2 55.4 103.0

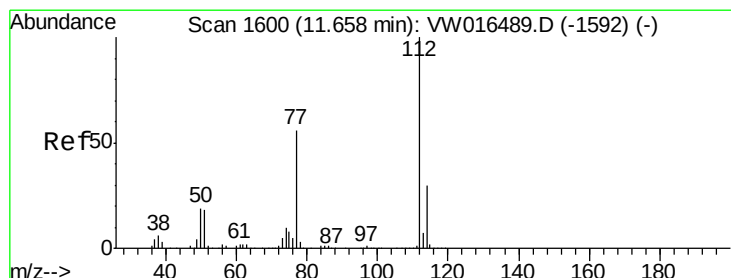
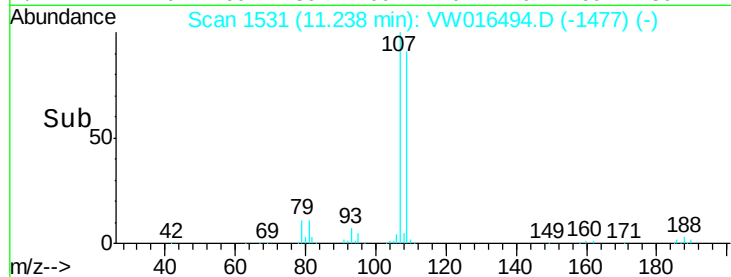
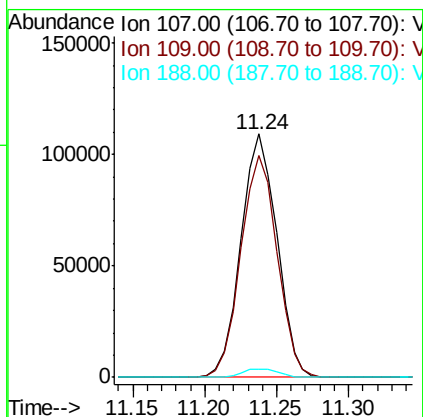
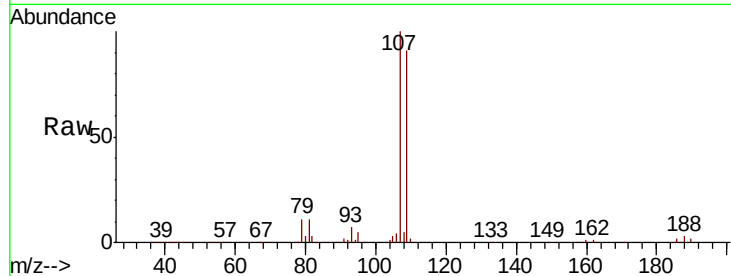




#51
 1,2-Dibromoethane
 Concen: 27.058 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW016494.D
 Acq: 09 Sep 2020 09:22

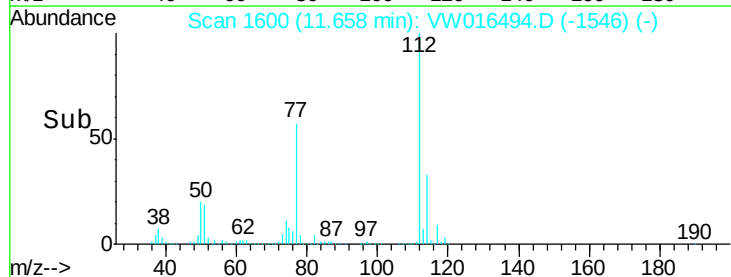
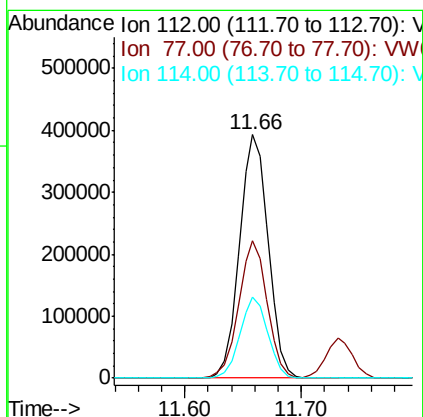
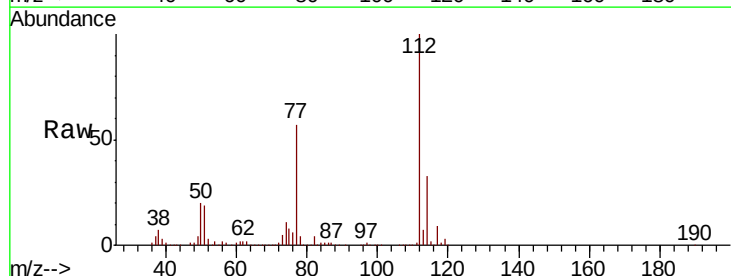
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02515

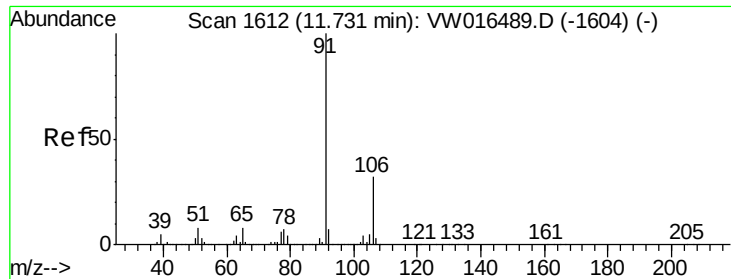
Tot Ion	Ratio	Lower	Upper
107	100		
109	90.9	64.8	120.4
188	3.5	3.4	5.0



#52
 Chlorobenzene
 Concen: 26.623 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW016494.D
 Acq: 09 Sep 2020 09:22

Tgt Ion	Ratio	Lower	Upper
112	100		
77	56.6	46.2	69.2
114	33.3	21.1	39.3

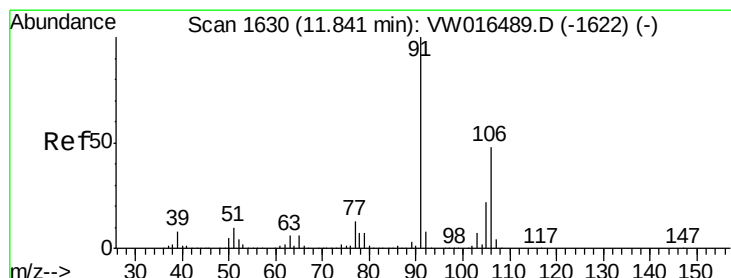
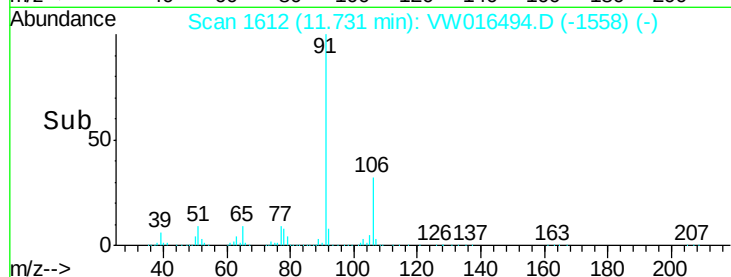
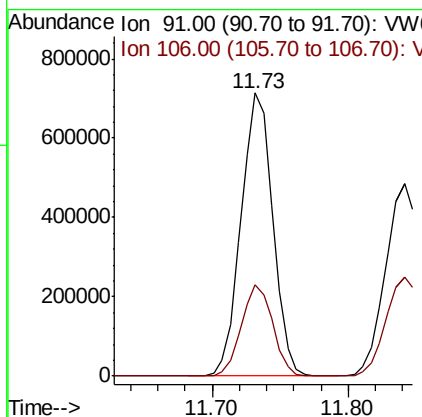
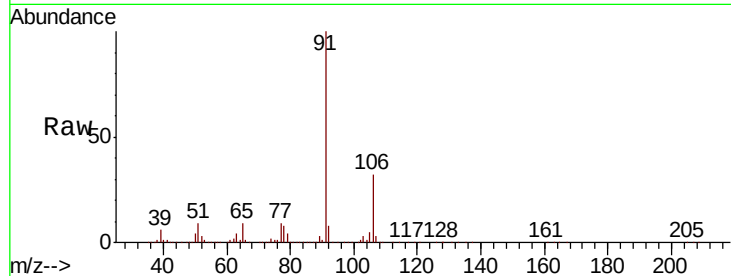




#53
Ethylbenzene
Concen: 25.983 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW016494.D
Acq: 09 Sep 2020 09:22

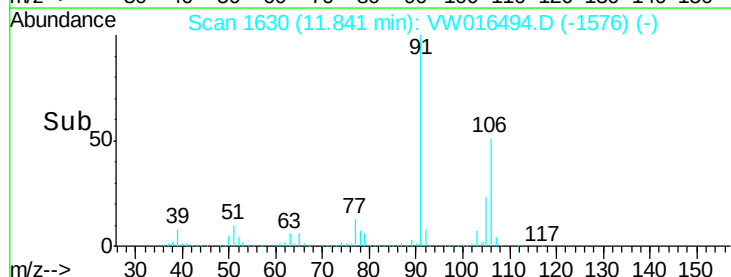
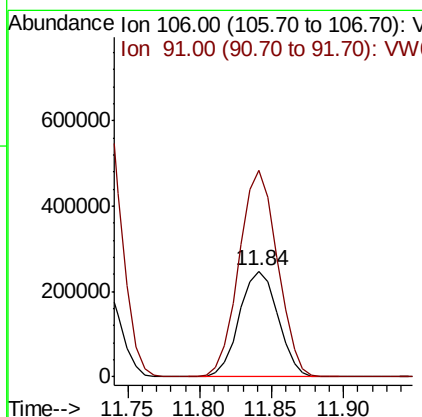
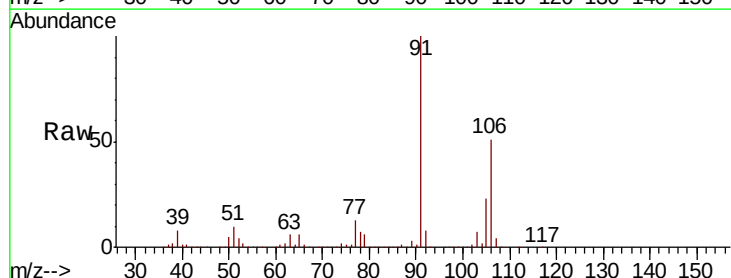
Instrument :
MSVOA_W
ClientSampleId :
VSTD02515

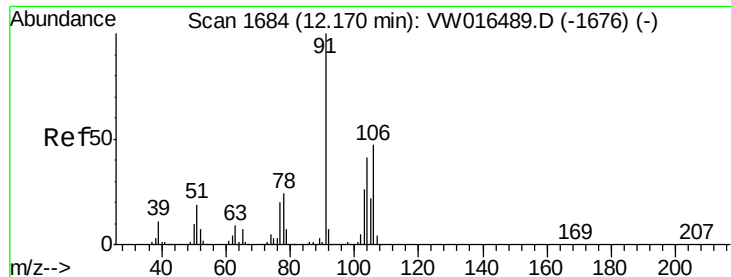
Tot Ion: 91 Resp: 1168300
Ion Ratio Lower Upper
91 100
106 32.5 21.6 40.2



#54
m,p-Xylene
Concen: 26.845 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW016494.D
Acq: 09 Sep 2020 09:22

Tgt Ion: 106 Resp: 461342
Ion Ratio Lower Upper
106 100
91 195.4 142.3 264.3





#55

o-xylene

Concen: 26.752 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.01 min

Lab File: VW016494.D

Acq: 09 Sep 2020 09:22

Instrument :

MSVOA_W

ClientSampleId :

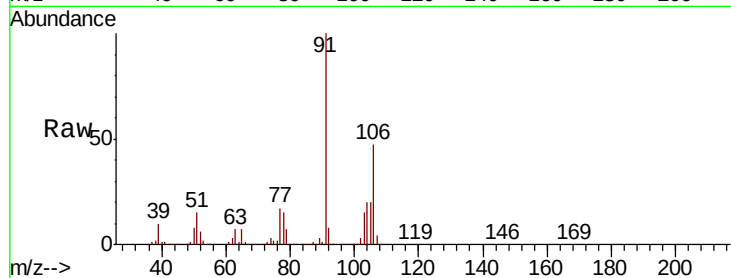
VSTD02515

Tot Ion:106 Resp: 437931

Ion Ratio Lower Upper

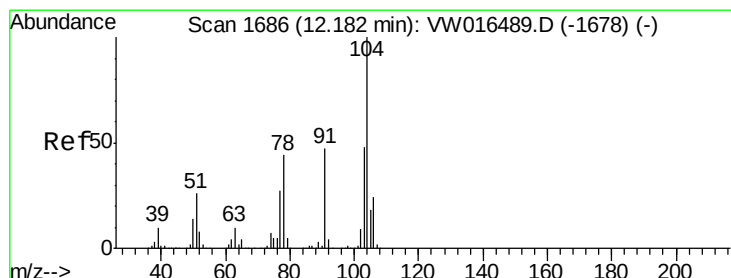
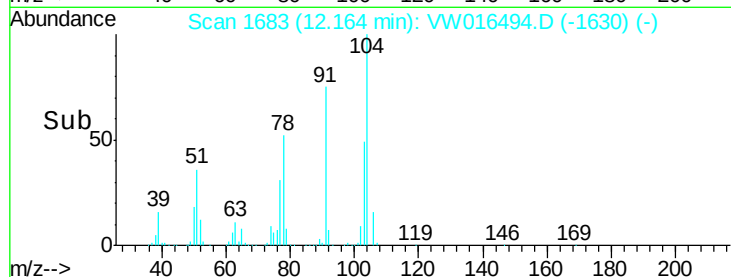
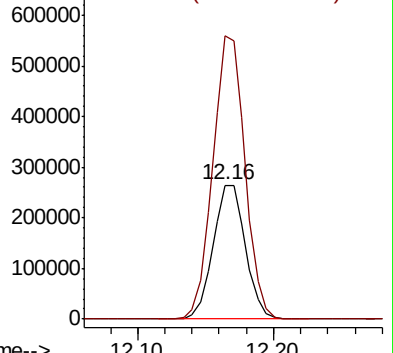
106 100

91 211.2 144.3 267.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 26.422 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW016494.D

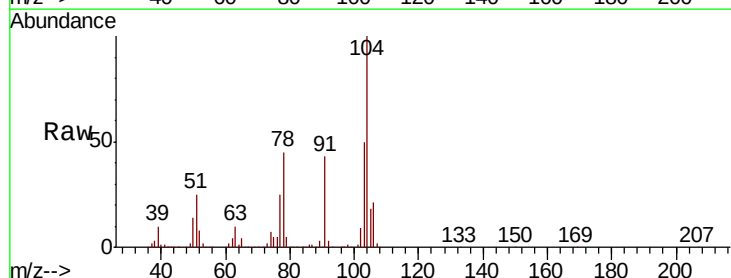
Acq: 09 Sep 2020 09:22

Tgt Ion:104 Resp: 743157

Ion Ratio Lower Upper

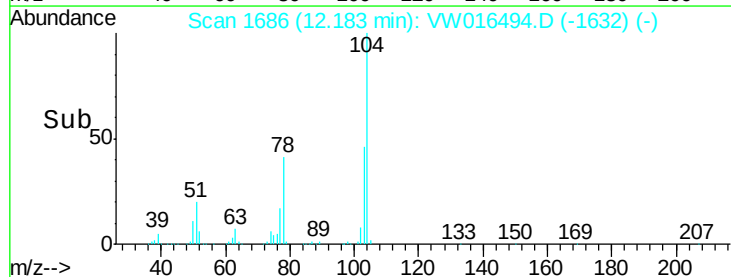
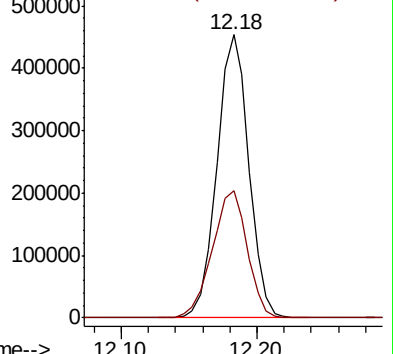
104 100

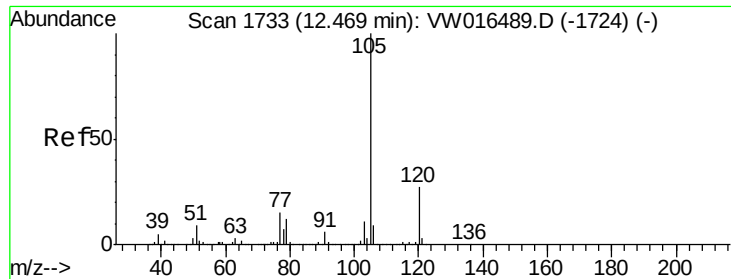
78 44.9 32.8 61.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 26.951 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW016494.D

Acq: 09 Sep 2020 09:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD02515

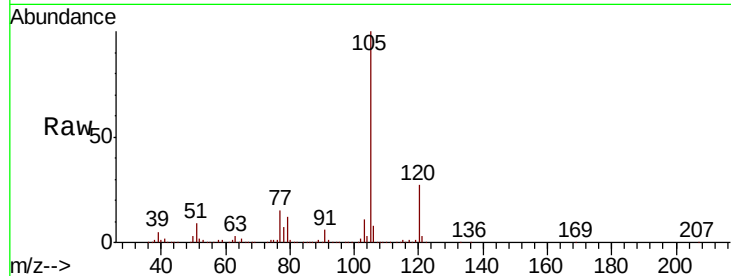
Tot Ion:105 Resp: 1208568

Ion Ratio Lower Upper

105 100

120 26.8 21.9 32.9

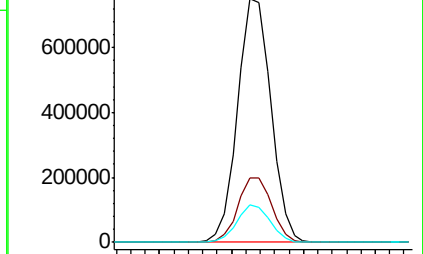
77 15.3 13.0 19.6



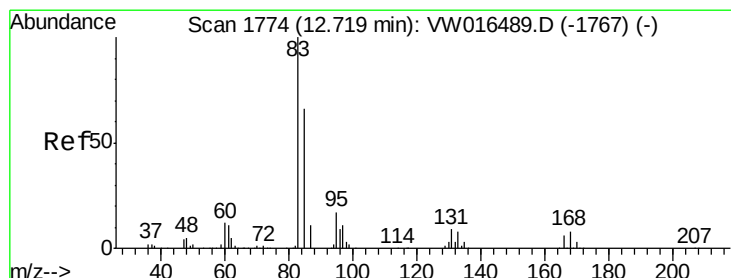
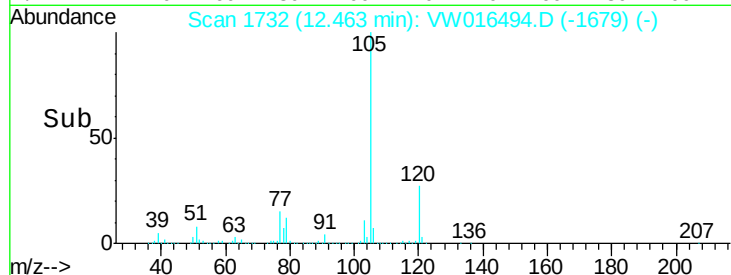
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



Time-->



#58

1,1,2,2-Tetrachloroethane

Concen: 26.830 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW016494.D

Acq: 09 Sep 2020 09:22

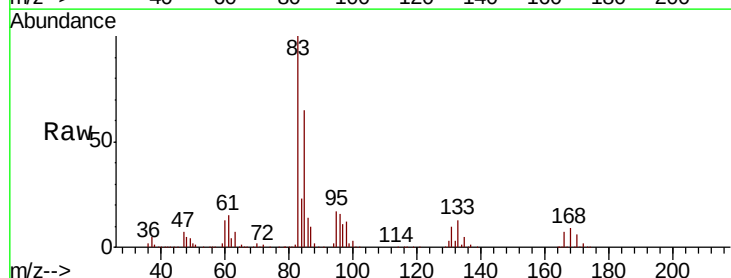
Tgt Ion: 83 Resp: 223596

Ion Ratio Lower Upper

83 100

85 65.4 45.3 84.1

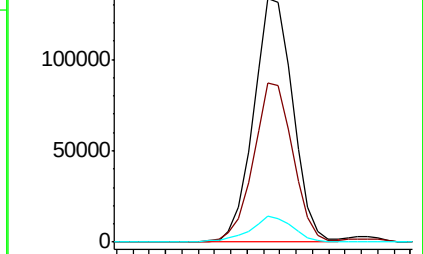
131 10.5 8.7 13.1



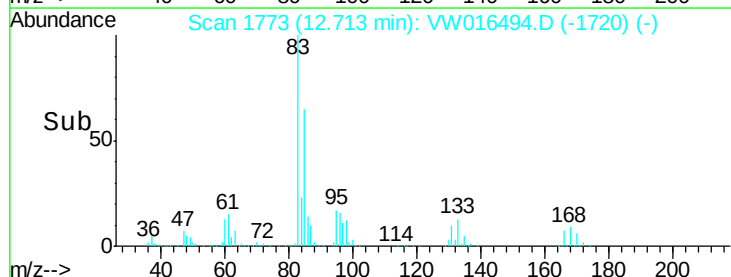
Abundance Ion 83.00 (82.70 to 83.70): VW

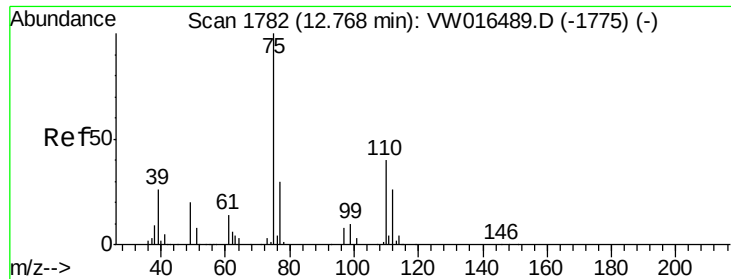
Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V



Time-->

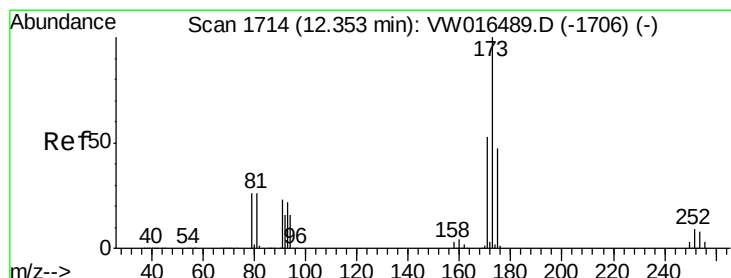
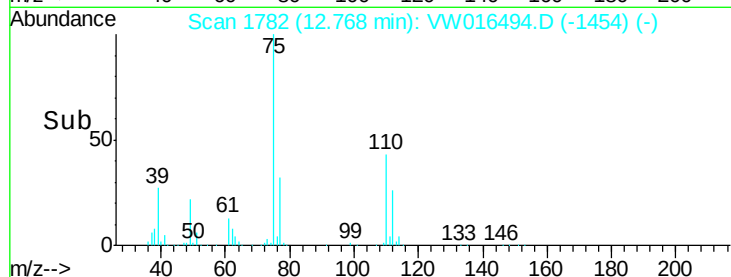
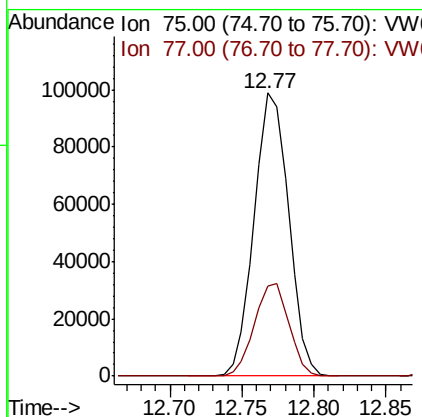
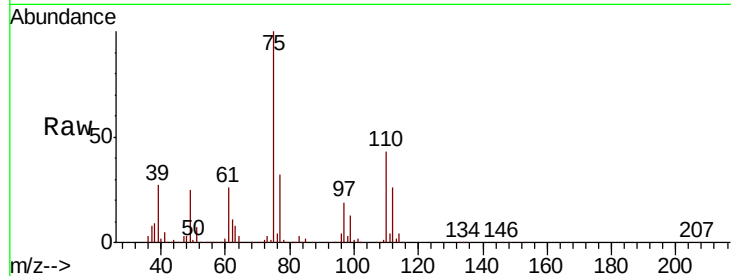




#59
 1,2,3-Trichloropropane
 Concen: 26.387 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW016494.D
 Acq: 09 Sep 2020 09:22

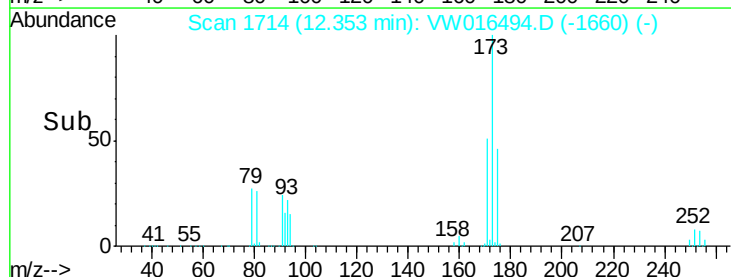
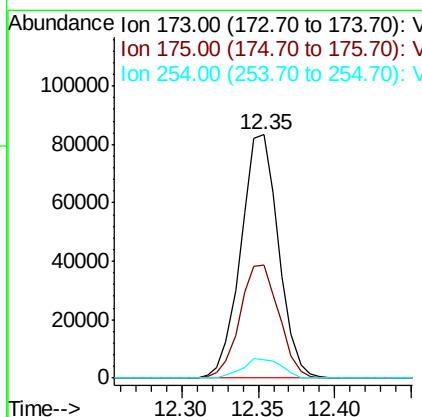
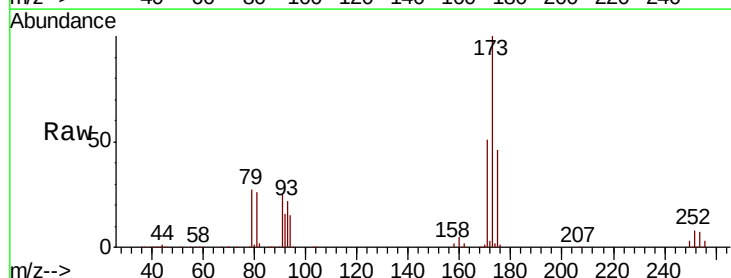
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02515

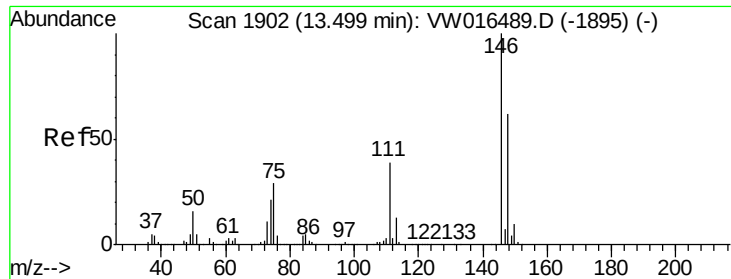
Tot Ion: 75 Resp: 164355
 Ion Ratio Lower Upper
 75 100
 77 32.7 26.0 39.0



#62
 Bromoform
 Concen: 27.704 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. 0.00 min
 Lab File: VW016494.D
 Acq: 09 Sep 2020 09:22

Tgt Ion: 173 Resp: 142571
 Ion Ratio Lower Upper
 173 100
 175 48.4 39.2 58.8
 254 8.1 5.8 8.6

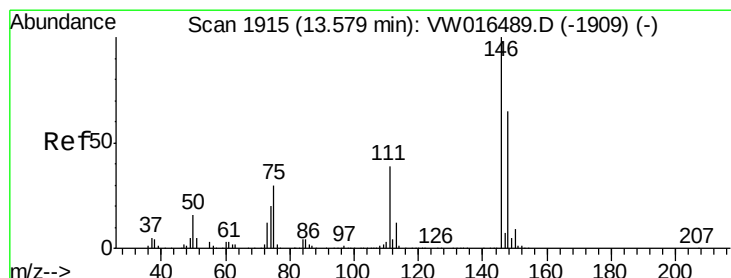
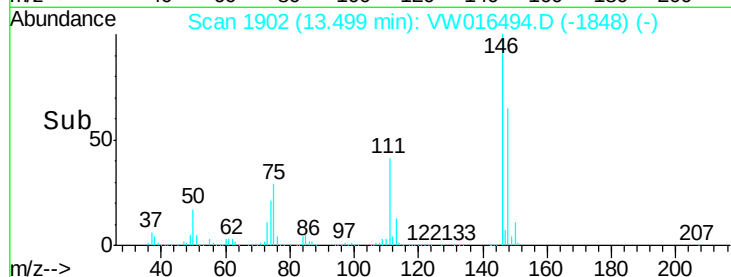
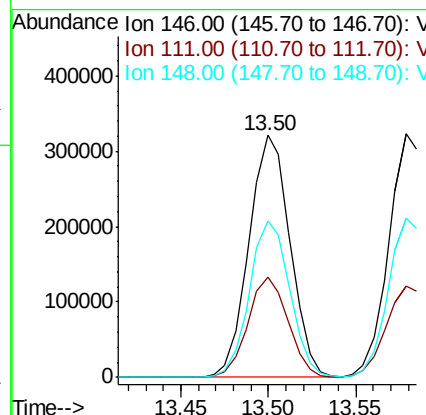
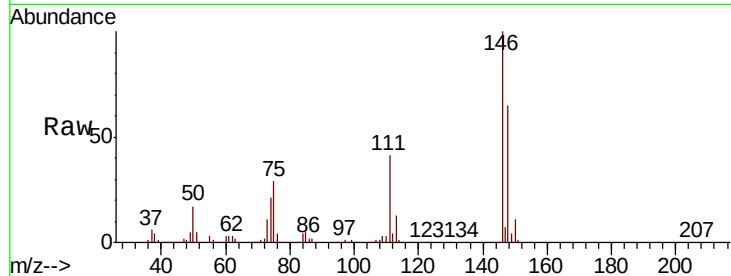




#63
 1,3-Dichlorobenzene
 Concen: 27.207 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016494.D
 Acq: 09 Sep 2020 09:22

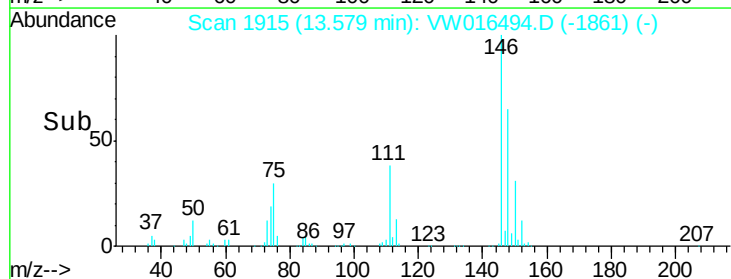
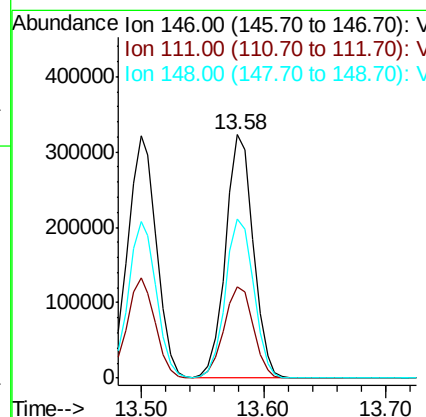
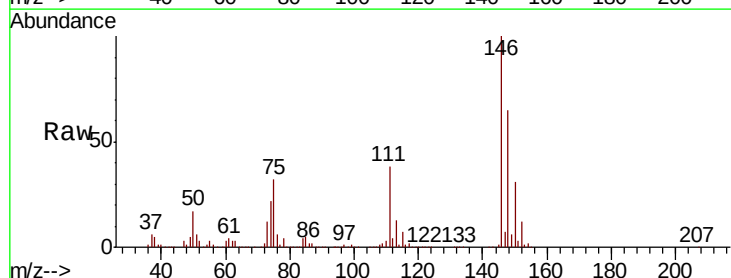
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02515

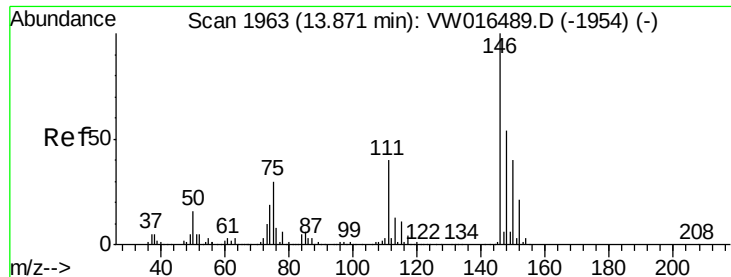
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	26.5	49.3
148	64.9	41.3	76.7



#64
 1,4-Dichlorobenzene
 Concen: 26.430 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW016494.D
 Acq: 09 Sep 2020 09:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	26.4	49.0
148	65.4	45.1	83.9





#65

1,2-Dichlorobenzene

Concen: 27.142 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW016494.D

Acq: 09 Sep 2020 09:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD02515

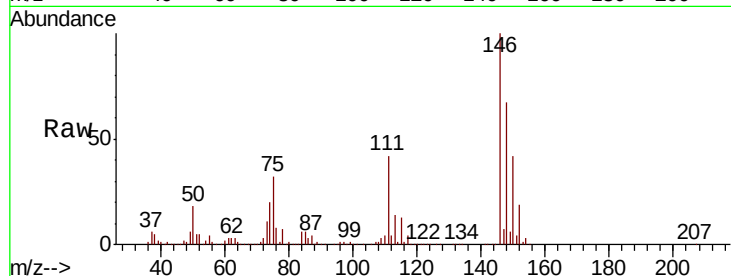
Tot Ion:146 Resp: 465820

Ion Ratio Lower Upper

146 100

111 41.9 35.3 52.9

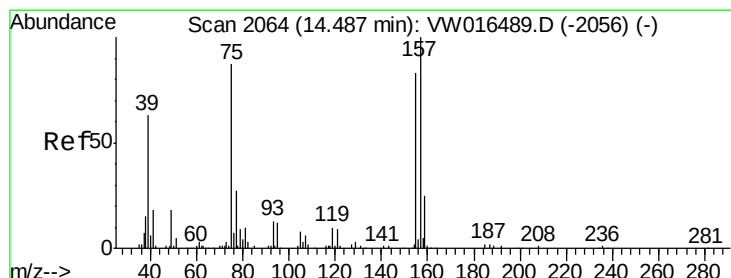
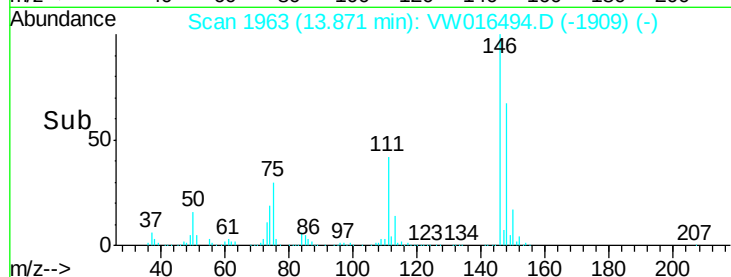
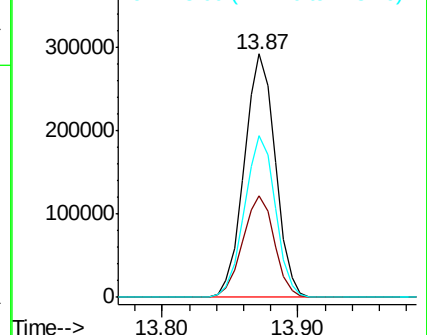
148 66.6 49.8 74.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 25.343 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW016494.D

Acq: 09 Sep 2020 09:22

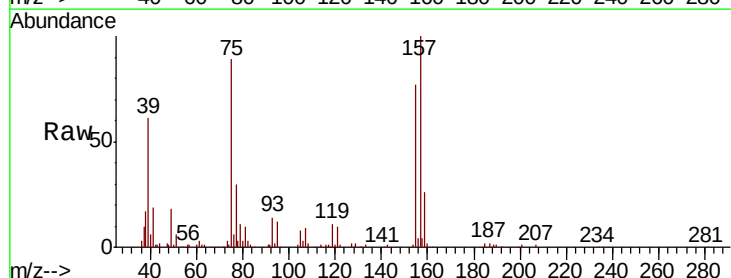
Tgt Ion: 75 Resp: 40500

Ion Ratio Lower Upper

75 100

157 112.6 91.4 137.0

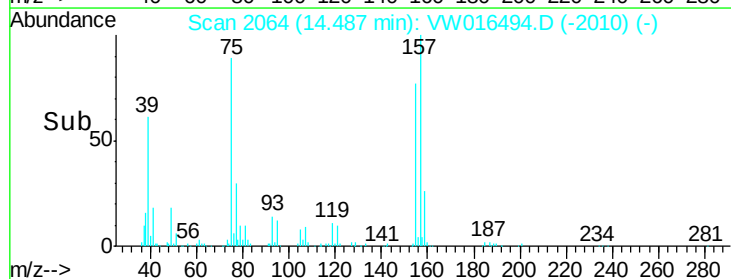
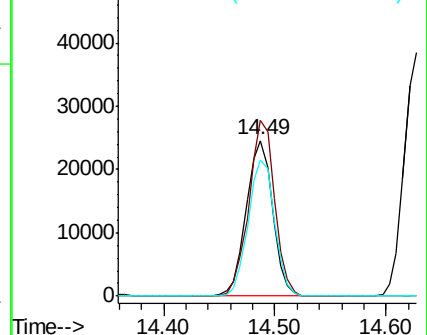
155 87.2 71.3 106.9

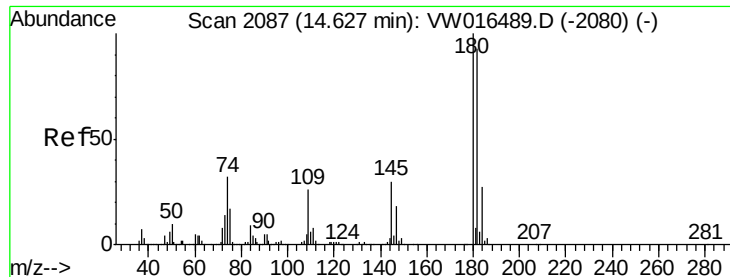


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

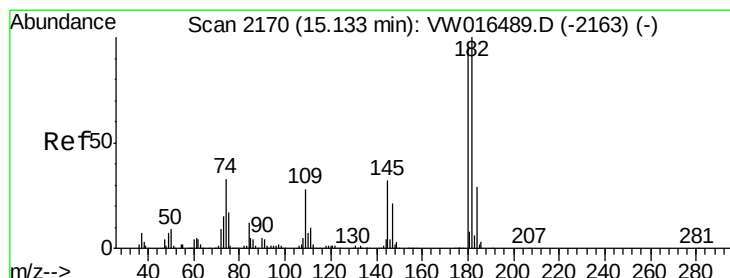
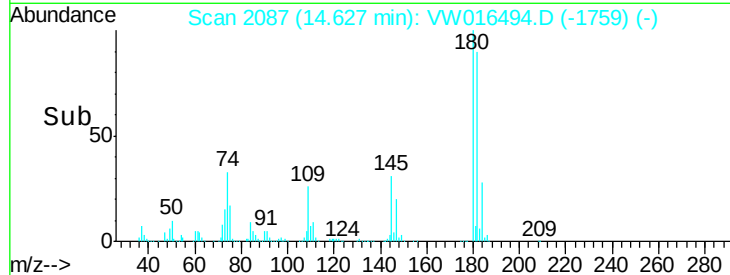
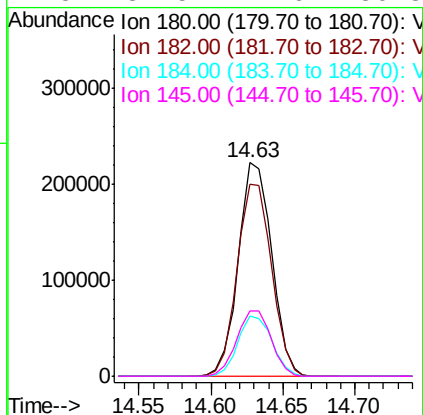
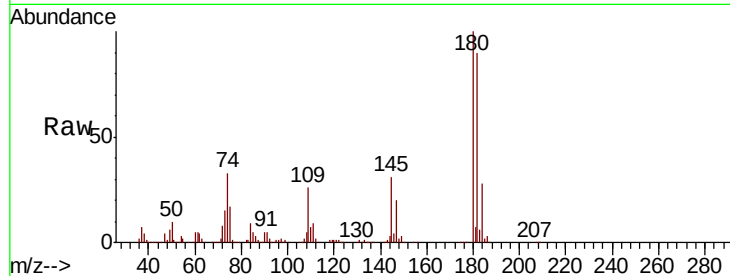




#67
 1,3,5-Trichlorobenzene
 Concen: 26.942 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW016494.D
 Acq: 09 Sep 2020 09:22

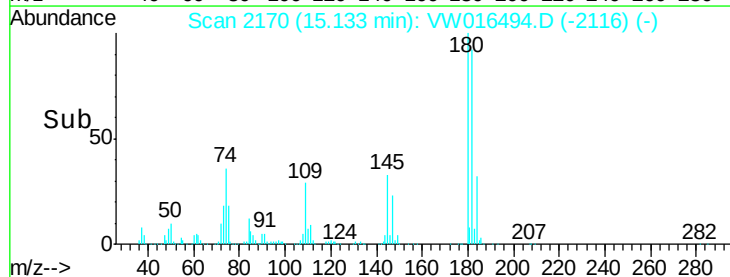
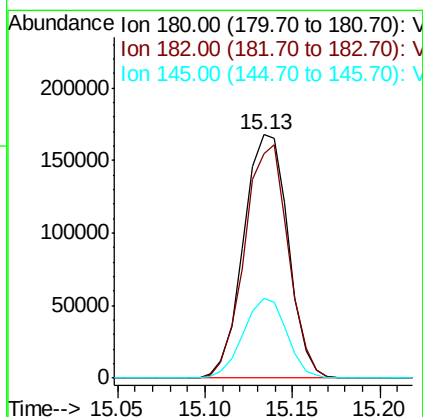
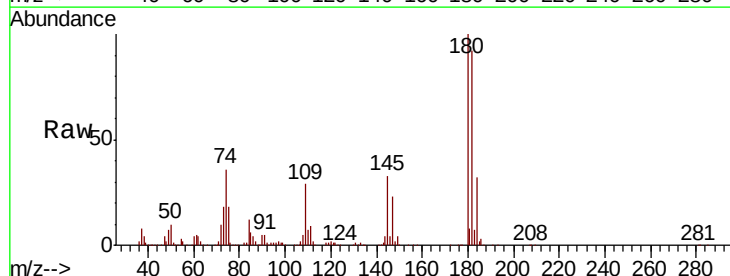
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02515

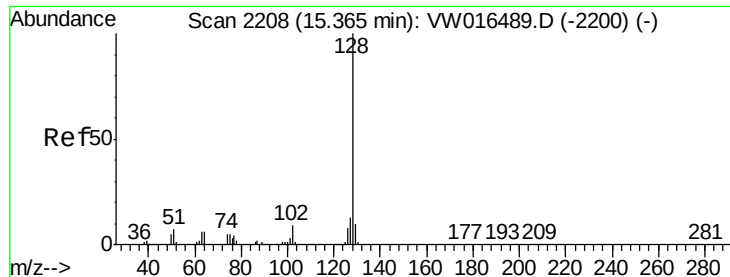
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.0	75.8	113.8
184	29.1	24.2	36.2
145	31.5	24.6	36.8



#68
 1,2,4-trichlorobenzene
 Concen: 26.090 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW016494.D
 Acq: 09 Sep 2020 09:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.9	78.5	117.7
145	31.8	25.6	38.4





#69

Naphthalene

Concen: 27.827 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW016494.D

Acq: 09 Sep 2020 09:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD02515

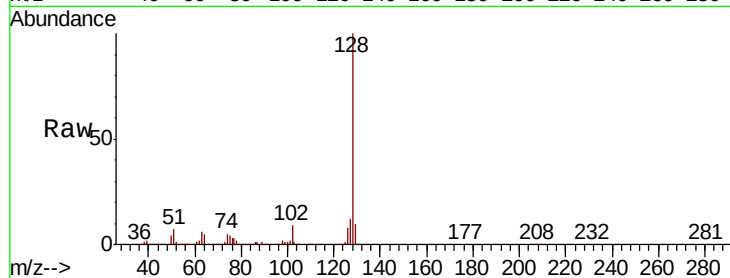
Tot Ion:128 Resp: 676026

Ion Ratio Lower Upper

128 100

129 10.6 8.7 13.1

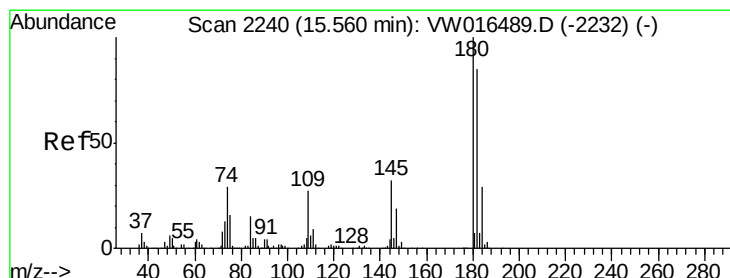
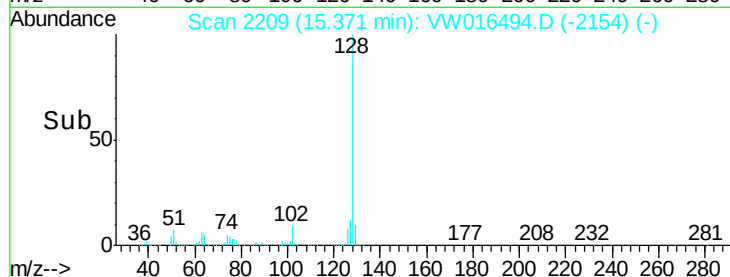
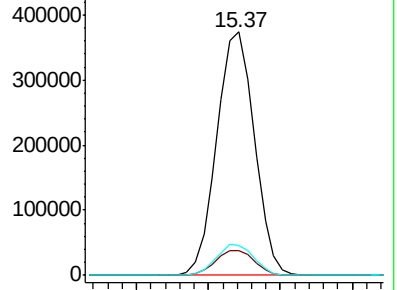
127 12.8 10.5 15.7



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: 26.182 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW016494.D

Acq: 09 Sep 2020 09:22

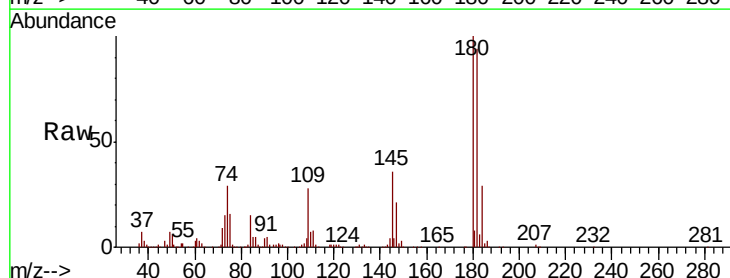
Tgt Ion:180 Resp: 258757

Ion Ratio Lower Upper

180 100

182 94.9 76.1 114.1

145 34.3 28.1 42.1



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

