

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101420\
 Data File : VW016889.D
 Acq On : 13 Oct 2020 09:28
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

Quant Time: Oct 14 08:37:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100720S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 13 13:25:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	534798	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	474628	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	236939	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	132836	25.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.72%
7) Chloroethane-d5	2.89	69	110789	25.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.12%
10) 1,1-Dichloroethene-d2	4.03	63	288886	25.79	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	103.16%
20) 2-Butanone-d5	7.08	46	63700	53.31	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.62%
24) Chloroform-d	7.65	84	292231	25.90	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	103.60%
26) 1,2-Dichloroethane-d4	8.31	65	139937	25.67	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.68%
29) Benzene-d6	8.27	84	563034	26.12	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	104.48%
33) 1,2-Dichloropropane-d6	9.27	67	154003	26.58	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	106.32%
37) Toluene-d8	10.32	98	531604	26.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	104.56%
38) trans-1,3-Dichloropropene-	10.58	79	68843	26.94	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	107.76%
39) 2-Hexanone-d5	10.93	63	53114	59.29	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	118.58%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	130542	27.89	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	111.56%
61) 1,2-Dichlorobenzene-d4	13.85	152	200560	26.69	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	106.76%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	177008	27.691	ug/L 96
3) Chloromethane	2.21	50	138254	24.536	ug/L 100
5) Vinyl chloride	2.37	62	210023	28.711	ug/L 97
6) Bromomethane	2.78	94	140976	26.214	ug/L 99
8) Chloroethane	2.93	64	124265	27.524	ug/L 100
9) Trichlorofluoromethane	3.26	101	156214	27.639	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	198519	27.571	ug/L 99
12) 1,1-Dichloroethene	4.05	96	190521	27.554	ug/L 91
13) Acetone	4.13	43	48841	54.009	ug/L 97
14) Carbon disulfide	4.39	76	536186	27.044	ug/L 99
15) Methyl Acetate	4.67	43	59319	27.454	ug/L 99
16) Methylene chloride	4.92	84	182255	24.694	ug/L 97
17) Methyl tert-butyl Ether	5.42	73	208047	26.888	ug/L 100
18) trans-1,2-Dichloroethene	5.43	96	193693	26.814	ug/L 98
19) 1,1-Dichloroethane	6.22	63	303284	27.264	ug/L 99
21) 2-Butanone	7.17	43	76373	50.309	ug/L 100
22) cis-1,2-Dichloroethene	7.17	96	197943	26.856	ug/L 93

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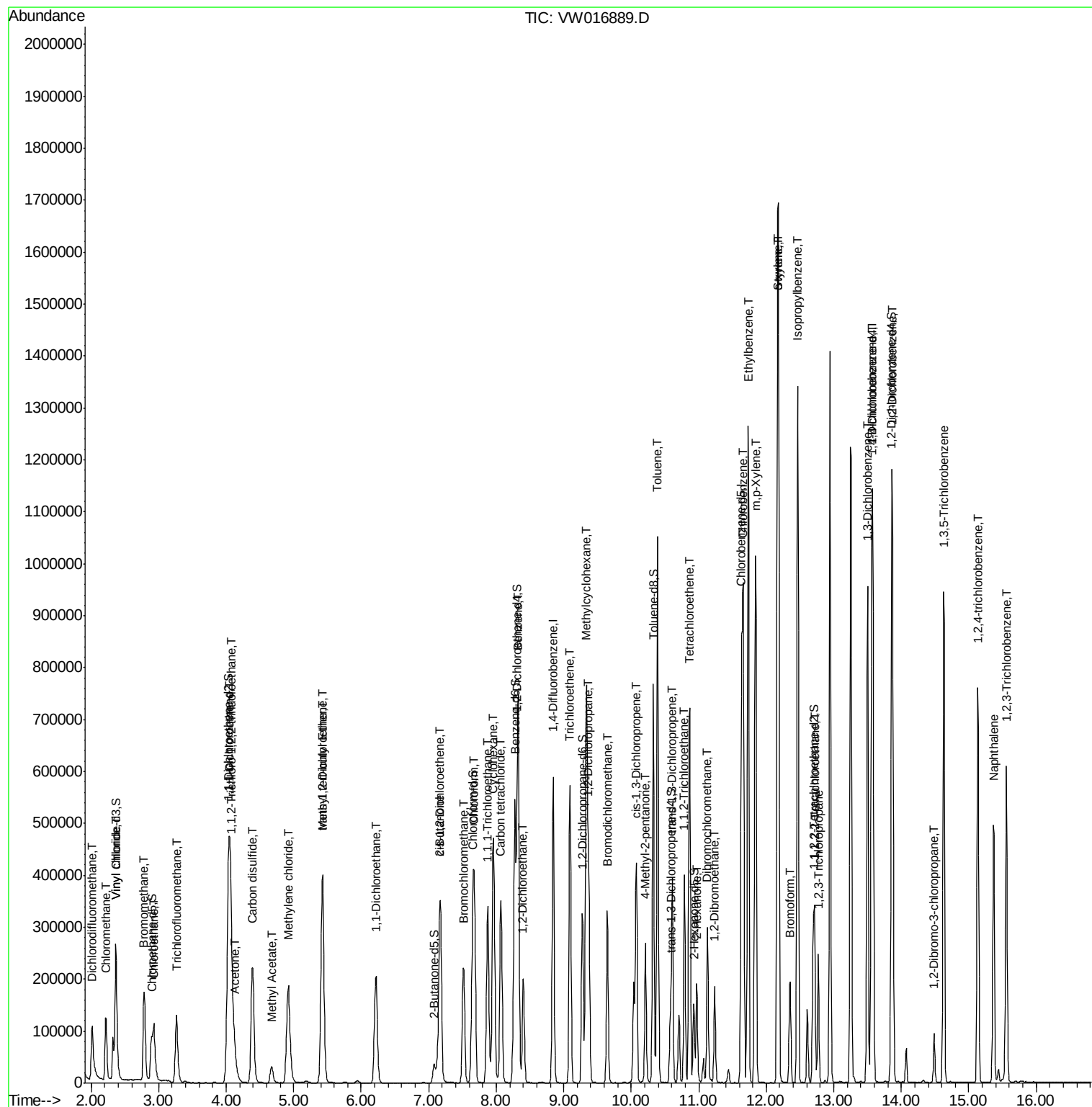
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	92775	26.804	ug/L	97
25) Chloroform	7.68	83	325650	27.109	ug/L	98
27) 1,2-Dichloroethane	8.40	62	191428	26.638	ug/L	100
30) Cyclohexane	7.96	56	274713	27.910	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	285223	28.258	ug/L	100
32) Carbon tetrachloride	8.07	117	281052	28.534	ug/L	98
34) Benzene	8.32	78	704613	27.645	ug/L	100
35) Trichloroethene	9.09	95	196050	27.193	ug/L	98
36) Methylcyclohexane	9.34	83	339310	27.991	ug/L	100
40) 1,2-Dichloropropane	9.37	63	159893	27.742	ug/L	100
41) Bromodichloromethane	9.65	83	223011	27.543	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	260909	28.393	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	165592	57.070	ug/L	100
44) Toluene	10.39	91	781224	27.629	ug/L	95
45) trans-1,3-Dichloropropene	10.61	75	221380	28.630	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	131240	28.012	ug/L	99
47) Tetrachloroethene	10.87	164	175440	26.247	ug/L	97
49) 2-Hexanone	10.97	43	111996	58.478	ug/L	99
50) Dibromochloromethane	11.13	129	162779	27.947	ug/L	95
51) 1,2-Dibromoethane	11.24	107	127985	27.798	ug/L	94
52) Chlorobenzene	11.66	112	505590	26.644	ug/L	99
53) Ethylbenzene	11.73	91	889874	28.055	ug/L	99
54) m,p-Xylene	11.84	106	349330	28.317	ug/L	98
55) o-xylene	12.17	106	322553	27.366	ug/L	99
56) Styrene	12.18	104	553794	28.473	ug/L	94
57) Isopropylbenzene	12.46	105	900709	27.907	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	144136	27.837	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	103293	27.538	ug/L	99
62) Bromoform	12.35	173	95686	28.708	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	419219	27.801	ug/L	93
64) 1,4-Dichlorobenzene	13.58	146	407880	27.047	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	375704	27.827	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	22542	27.525	ug/L	93
67) 1,3,5-Trichlorobenzene	14.63	180	312671	27.895	ug/L	96
68) 1,2,4-trichlorobenzene	15.13	180	259946	28.235	ug/L	98
69) Naphthalene	15.36	128	446947	29.317	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	234075	29.588	ug/L	98

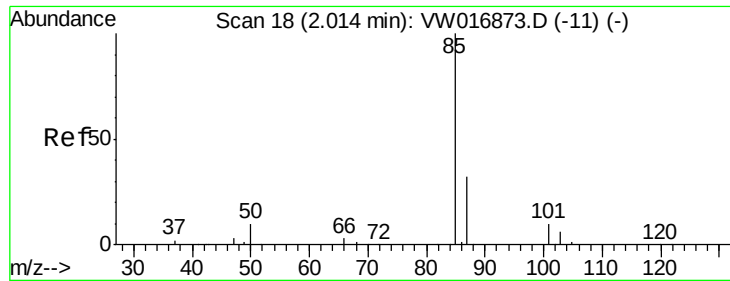
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 27.691 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW016889.D

Acq: 13 Oct 2020 09:28

Instrument :

MSVOA_W

ClientSampleId :

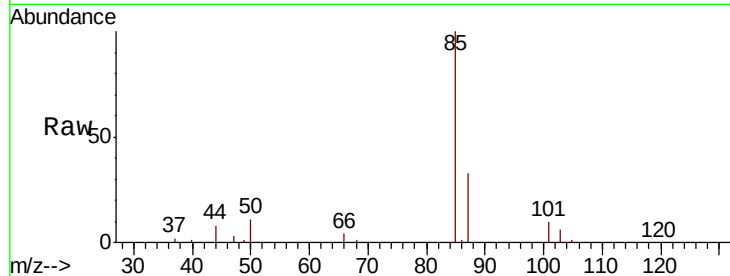
VSTD02530

Tot Ion: 85 Resp: 177008

Ion Ratio Lower Upper

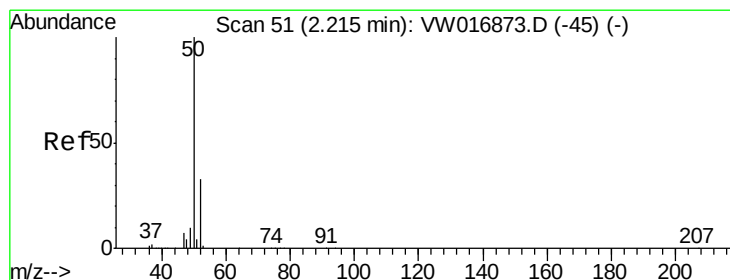
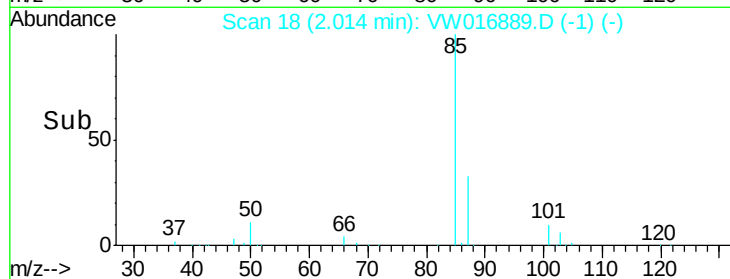
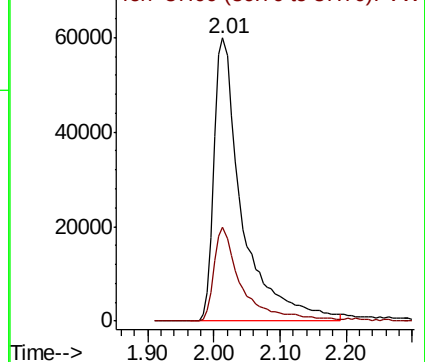
85 100

87 31.5 20.4 37.8



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 24.536 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW016889.D

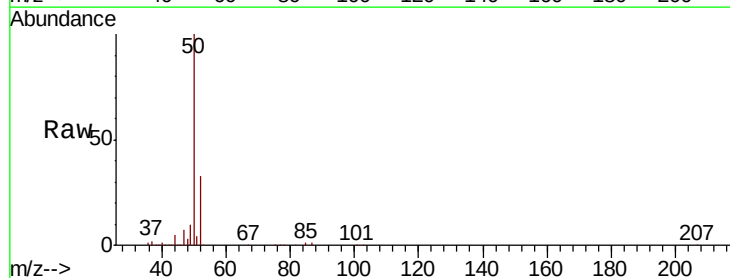
Acq: 13 Oct 2020 09:28

Tgt Ion: 50 Resp: 138254

Ion Ratio Lower Upper

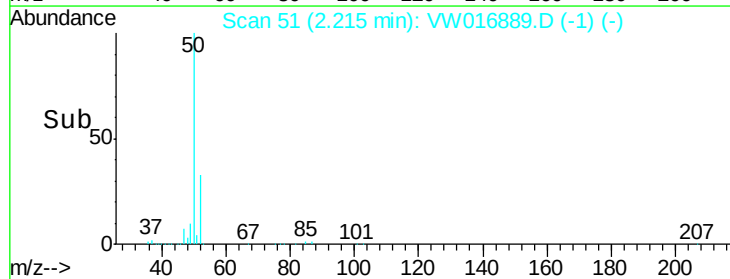
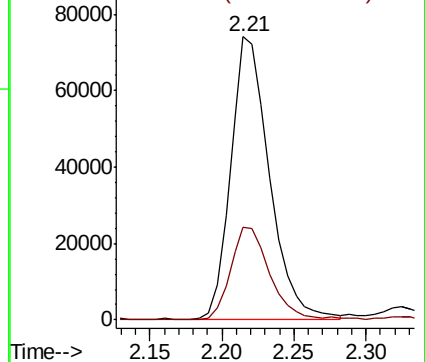
50 100

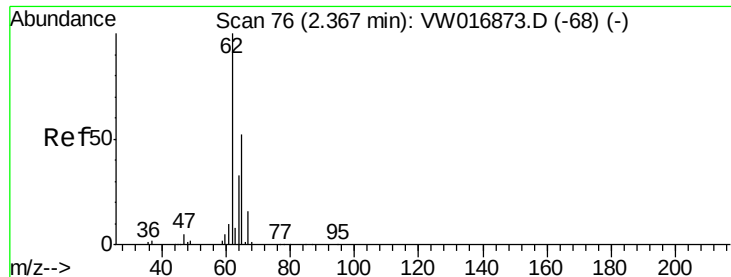
52 32.6 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 28.711 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW016889.D

Acq: 13 Oct 2020 09:28

Instrument :

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ClientSampleId :

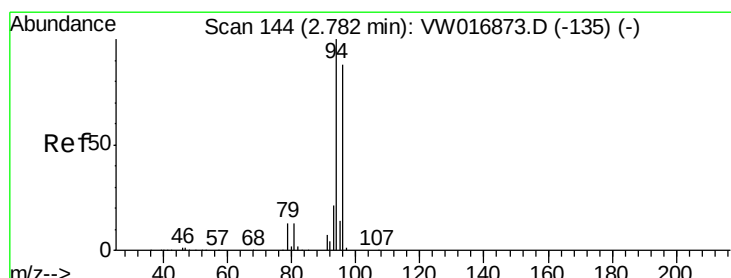
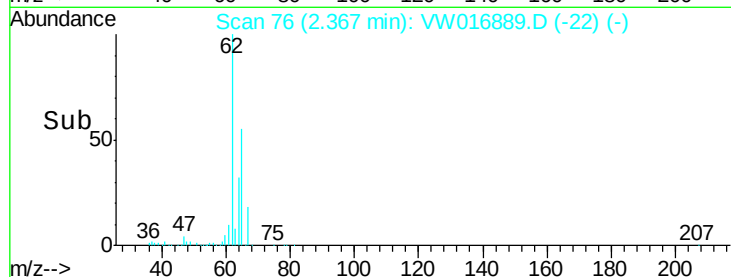
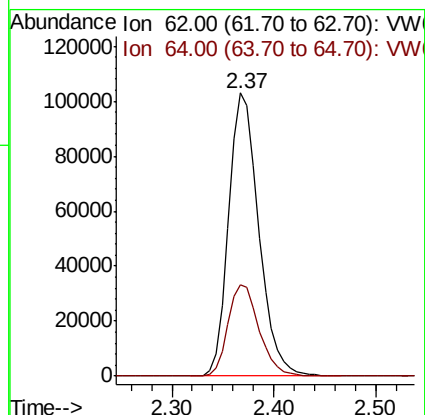
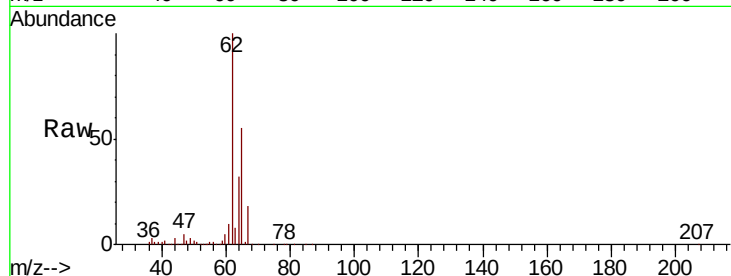
VSTD02530

Tot Ion: 62 Resp: 210023

Ion Ratio Lower Upper

62 100

64 32.1 23.5 43.7



#6

Bromomethane

Concen: 26.214 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW016889.D

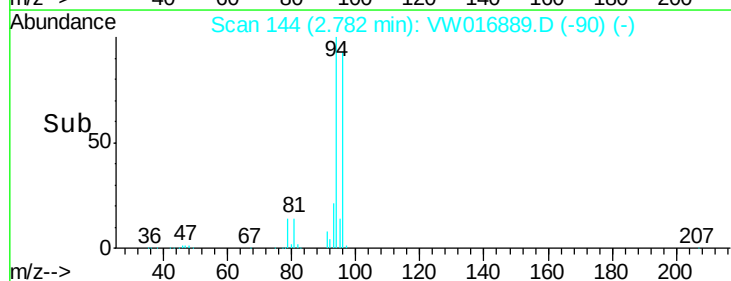
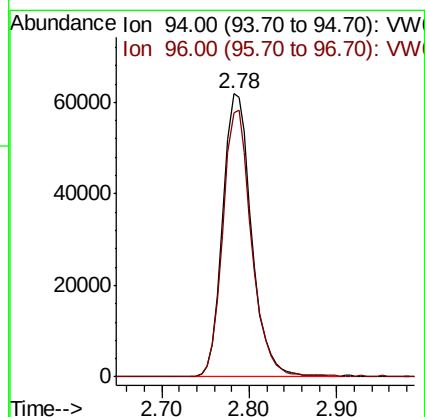
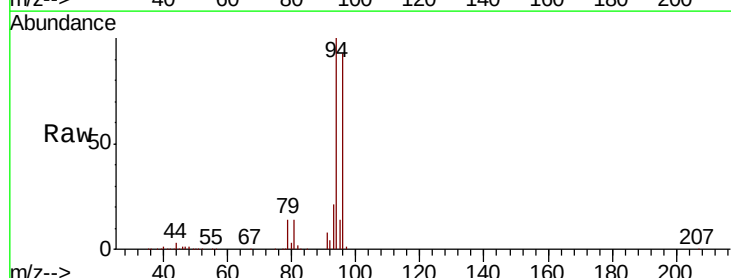
Acq: 13 Oct 2020 09:28

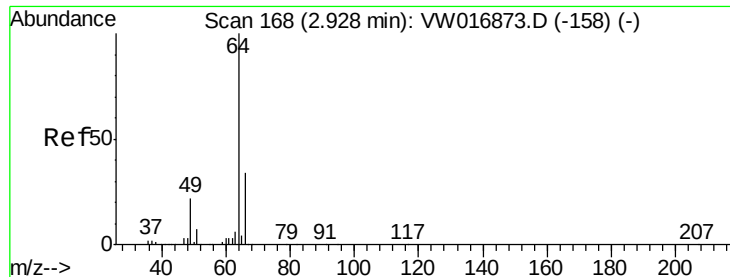
Tgt Ion: 94 Resp: 140976

Ion Ratio Lower Upper

94 100

96 94.3 9.5 180.7





#8

Chloroethane

Concen: 27.524 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW016889.D

Acq: 13 Oct 2020 09:28

Instrument :

MSVOA_W

ClientSampleId :

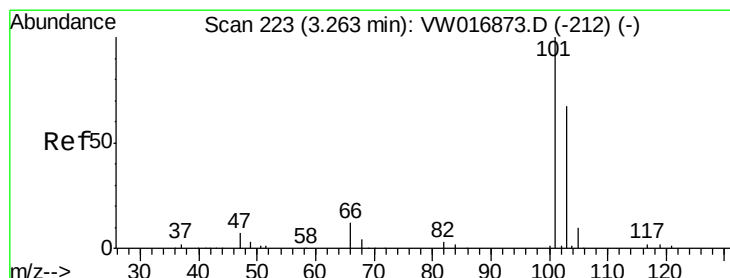
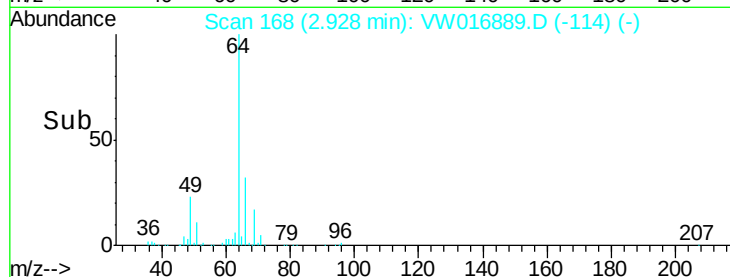
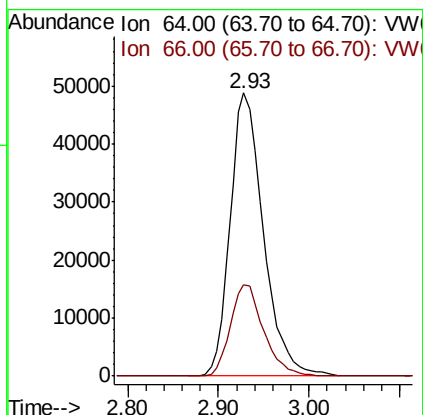
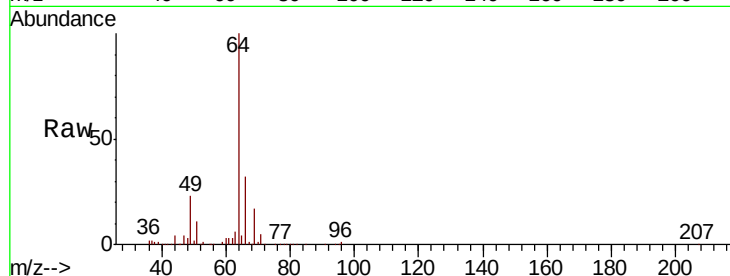
VSTD02530

Tot Ion: 64 Resp: 124265

Ion Ratio Lower Upper

64 100

66 32.2 22.5 41.7



#9

Trichlorofluoromethane

Concen: 27.639 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.00 min

Lab File: VW016889.D

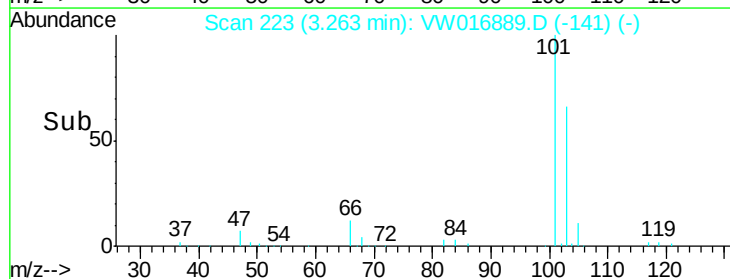
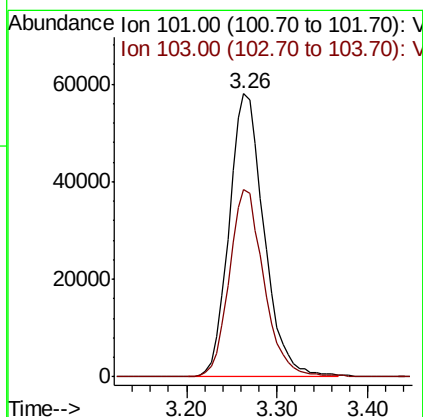
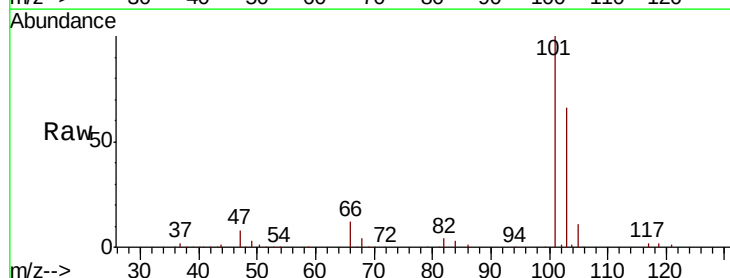
Acq: 13 Oct 2020 09:28

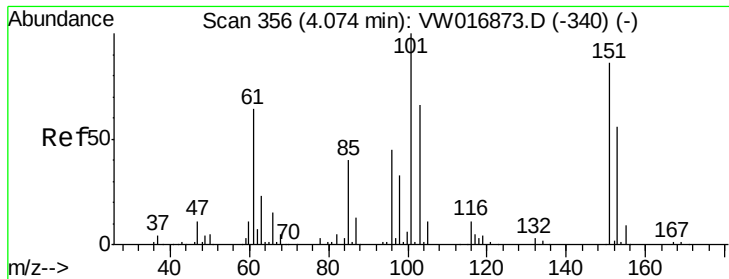
Tgt Ion: 101 Resp: 156214

Ion Ratio Lower Upper

101 100

103 65.5 45.2 84.0





#11

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

Concen: 27.571 ug/L

RT: 4.07 min Scan# 356

Delta R.T. 0.00 min

Lab File: VW016889.D

Acq: 13 Oct 2020 09:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD02530

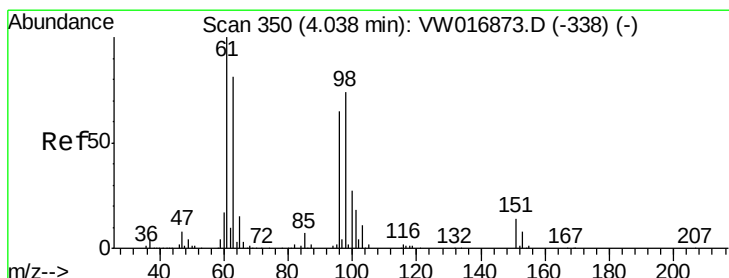
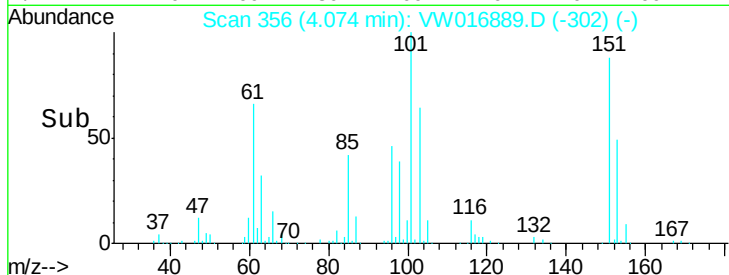
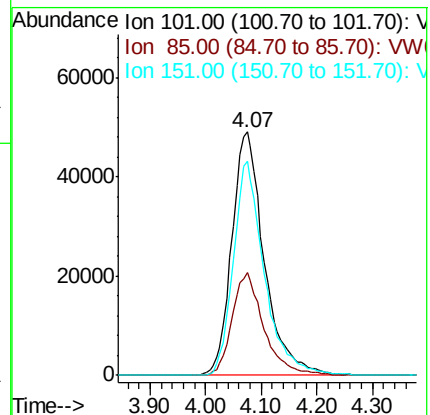
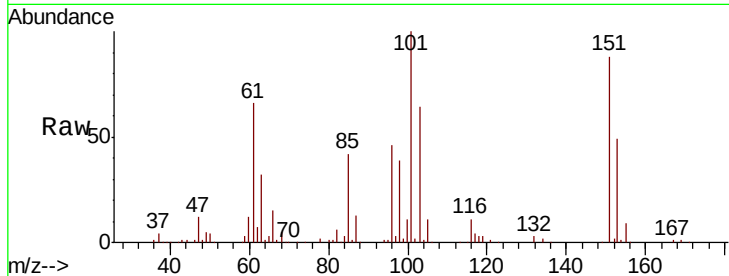
Tot Ion:101 Resp: 198519

Ion Ratio Lower Upper

101 100

85 40.3 31.7 47.5

151 83.8 66.6 99.8



#12

1,1-Dichloroethene

Concen: 27.554 ug/L

RT: 4.05 min Scan# 352

Delta R.T. 0.01 min

Lab File: VW016889.D

Acq: 13 Oct 2020 09:28

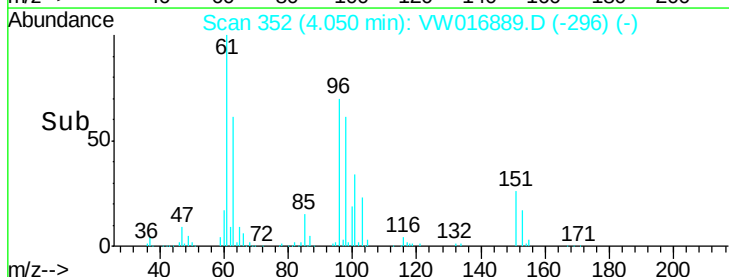
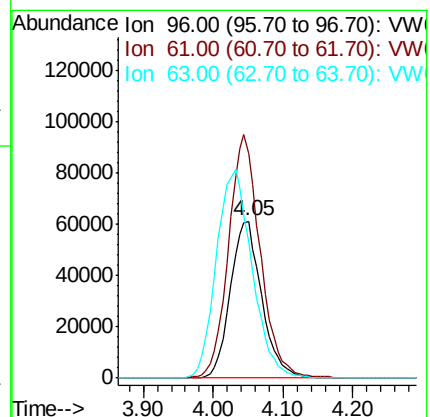
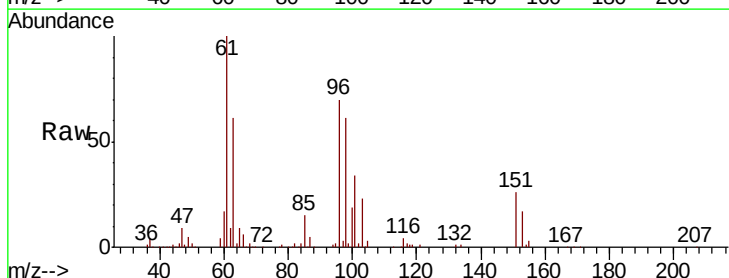
Tgt Ion: 96 Resp: 190521

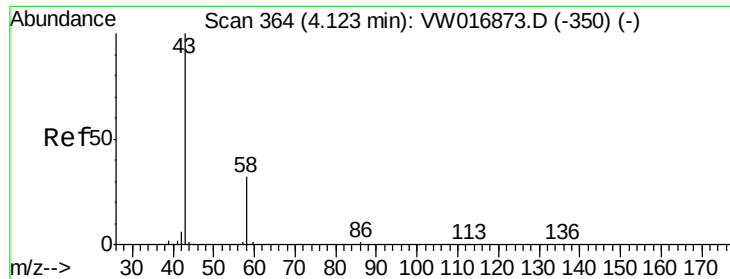
Ion Ratio Lower Upper

96 100

61 143.0 105.1 195.1

63 86.8 69.9 129.7





#13

Acetone

Concen: 54.009 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW016889.D

Acq: 13 Oct 2020 09:28

Instrument :

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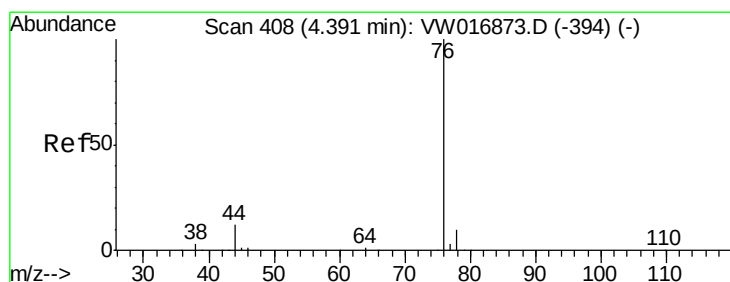
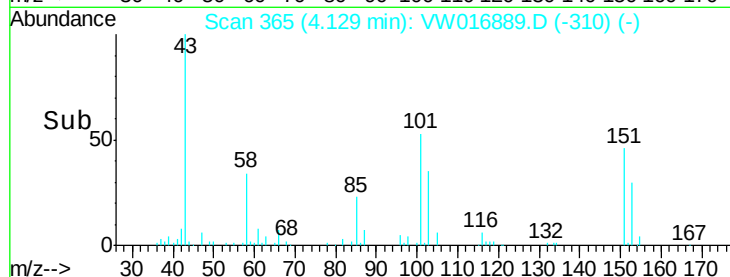
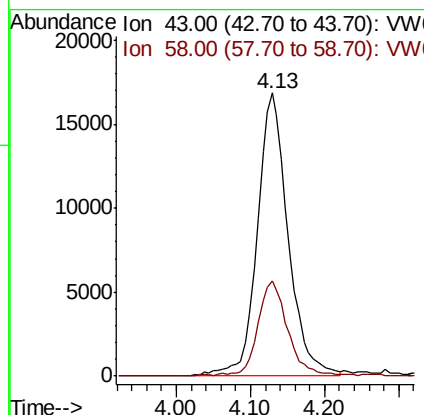
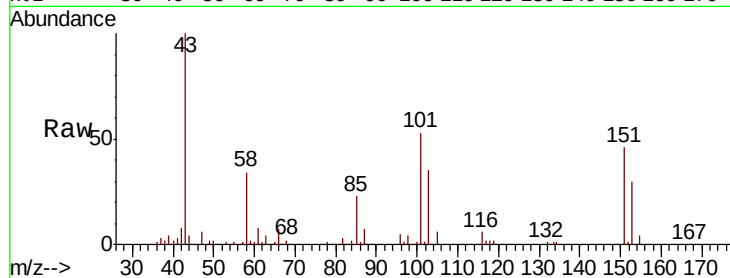
VSTD02530

Tot Ion: 43 Resp: 48841

Ion Ratio Lower Upper

43 100

58 31.8 0.0 67.6



#14

Carbon disulfide

Concen: 27.044 ug/L

RT: 4.39 min Scan# 407

Delta R.T. -0.01 min

Lab File: VW016889.D

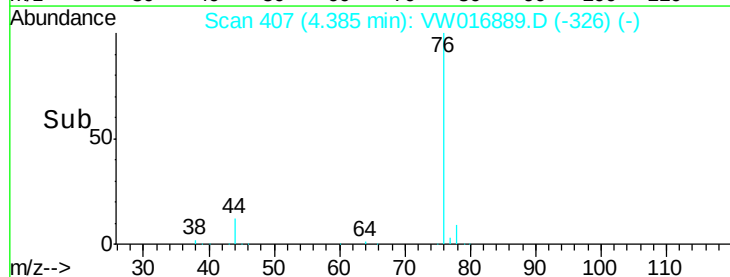
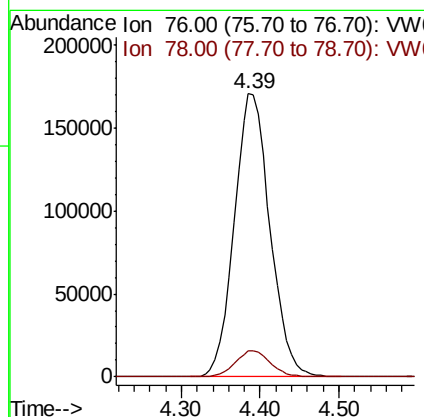
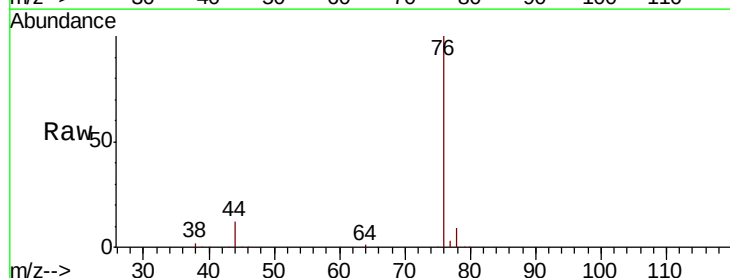
Acq: 13 Oct 2020 09:28

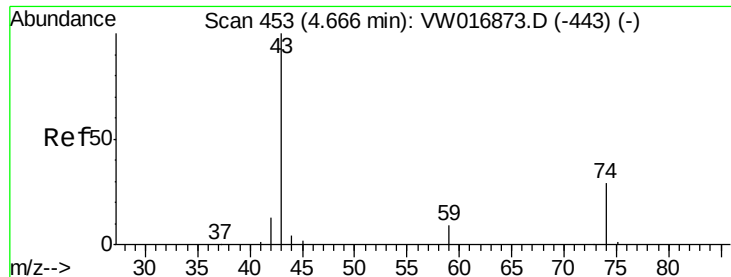
Tgt Ion: 76 Resp: 536186

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.0





#15

Methvl Acetate

Concen: 27.454 ug/L

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

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ClientSampleId :

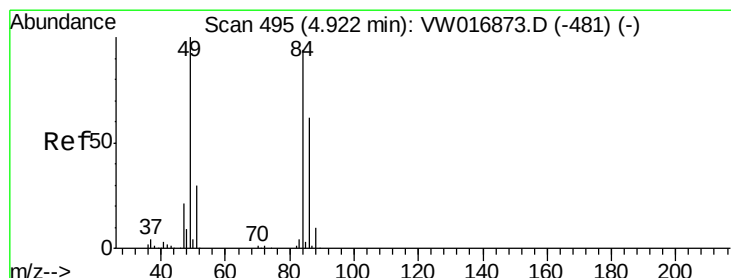
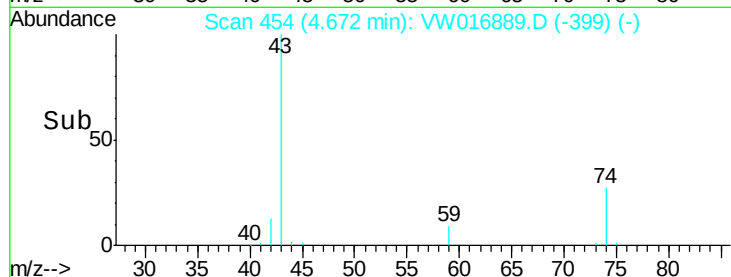
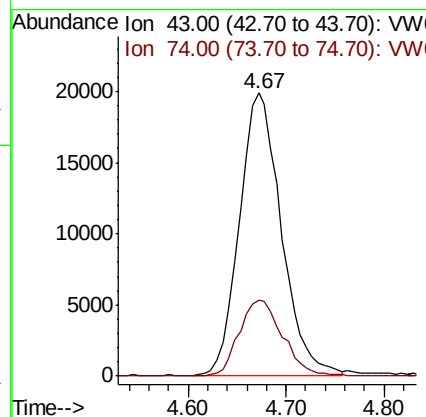
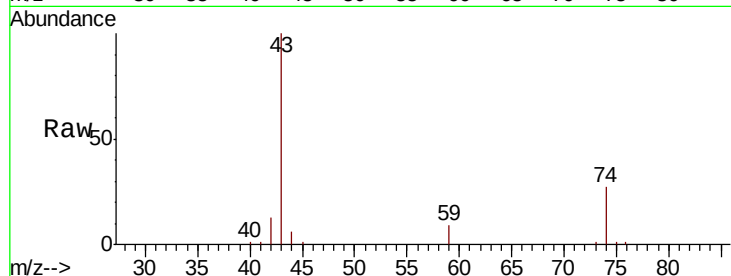
VSTD02530

Tot Ion: 43 Resp: 59319

Ion Ratio Lower Upper

43 100

74 27.8 22.7 34.1



#16

Methylene chloride

Concen: 24.694 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.00 min

Lab File: VW016889.D

Acq: 13 Oct 2020 09:28

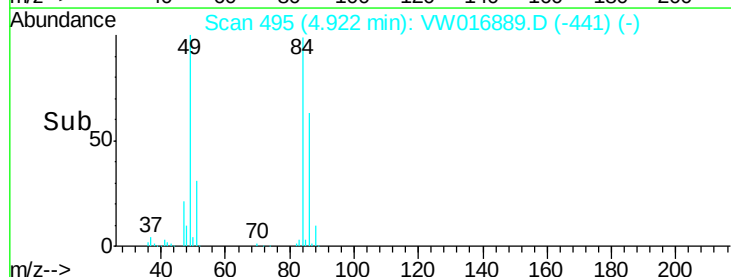
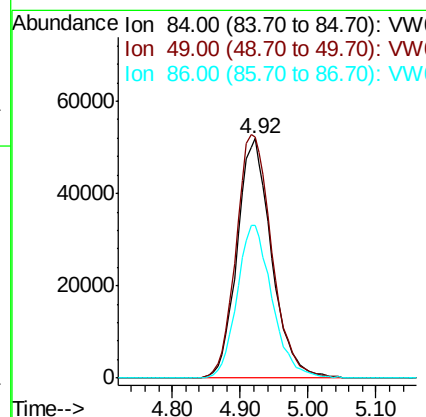
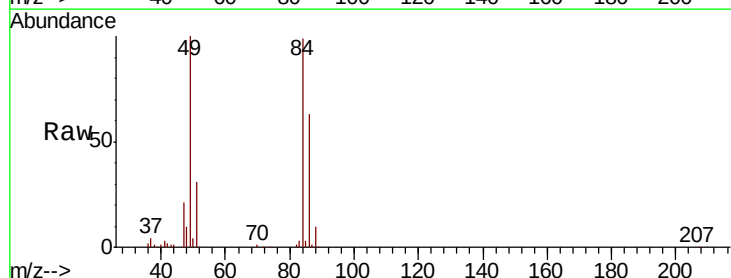
Tgt Ion: 84 Resp: 182255

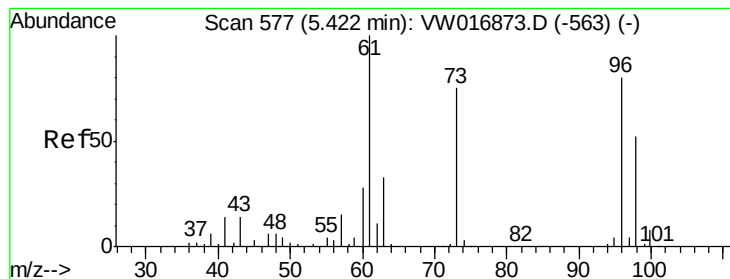
Ion Ratio Lower Upper

84 100

49 100.6 73.1 135.8

86 63.7 46.0 85.4





#17

Methyl tert-butyl Ether

Concen: 26.888 ug/L

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW016889.D

Acq: 13 Oct 2020 09:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD02530

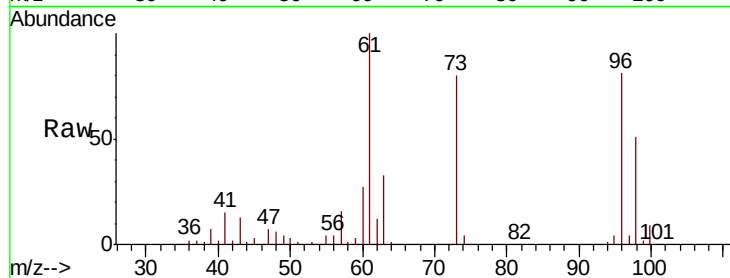
Tot Ion: 73 Resp: 208047

Ion Ratio Lower Upper

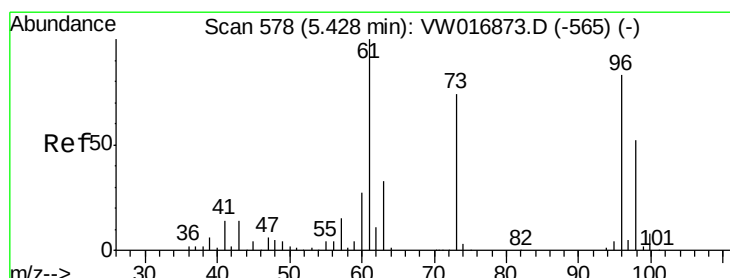
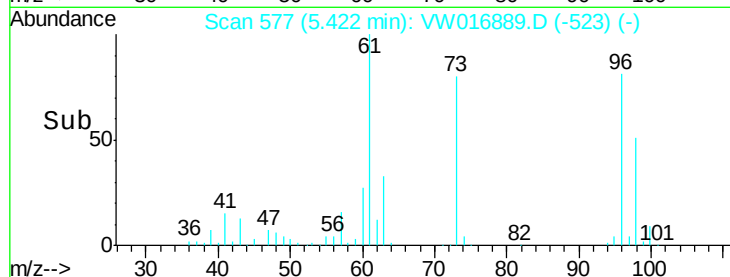
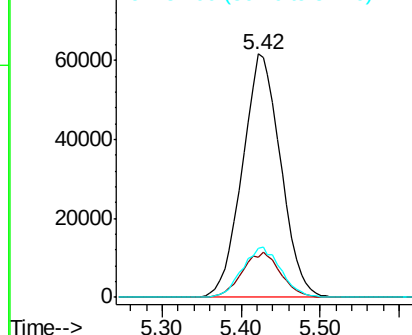
73 100

43 18.7 15.0 22.4

57 20.8 16.4 24.6



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: 26.814 ug/L

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW016889.D

Acq: 13 Oct 2020 09:28

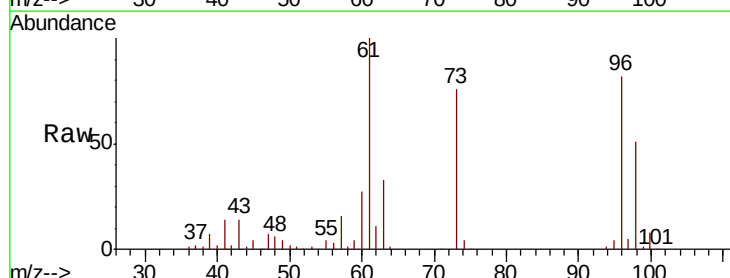
Tgt Ion: 96 Resp: 193693

Ion Ratio Lower Upper

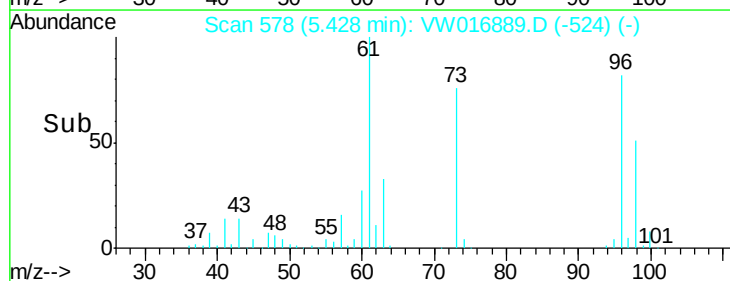
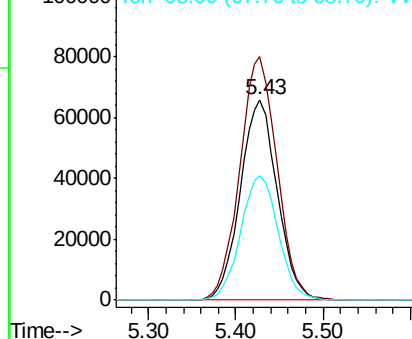
96 100

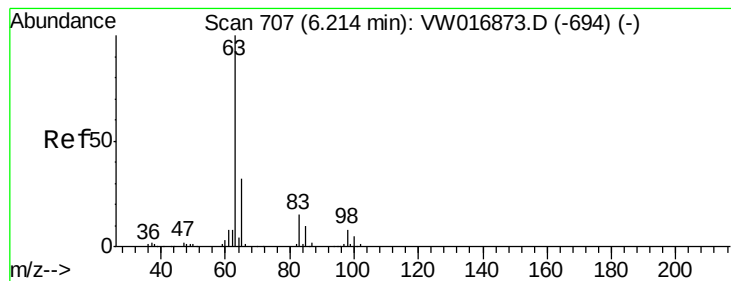
61 121.6 82.5 153.3

98 62.3 43.3 80.5



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: 27.264 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW016889.D

Acq: 13 Oct 2020 09:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD02530

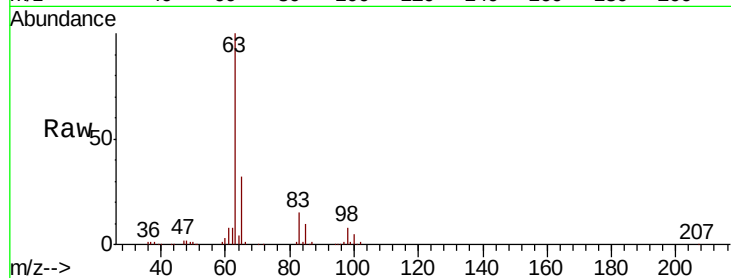
Tot Ion: 63 Resp: 303284

Ion Ratio Lower Upper

63 100

65 31.9 22.7 42.1

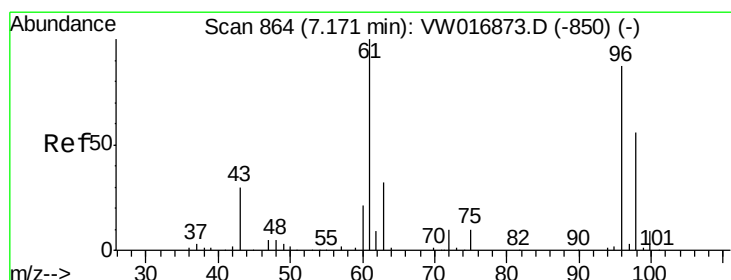
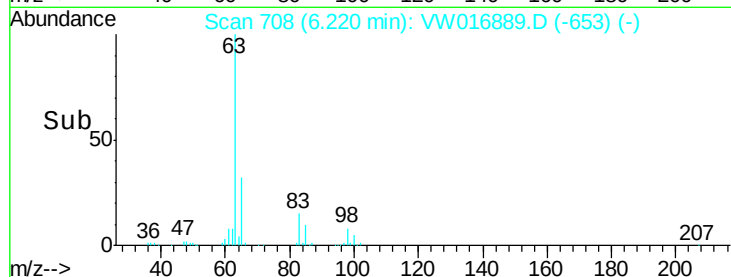
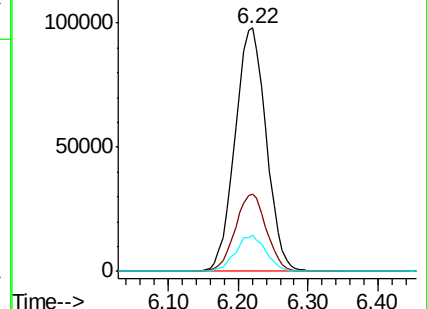
83 14.7 9.9 18.5



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: 50.309 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW016889.D

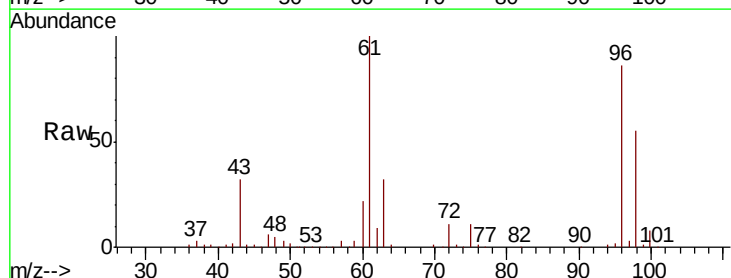
Acq: 13 Oct 2020 09:28

Tgt Ion: 43 Resp: 76373

Ion Ratio Lower Upper

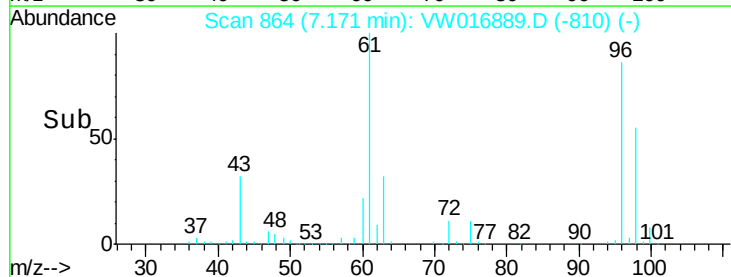
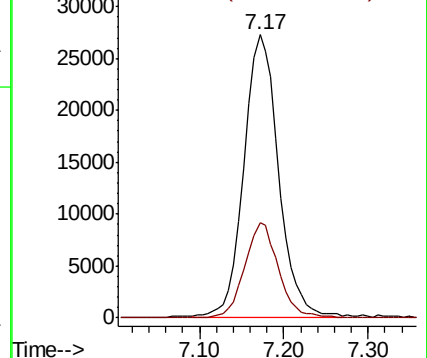
43 100

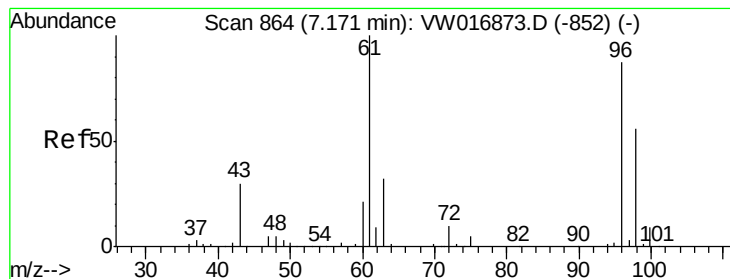
72 32.4 16.2 48.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



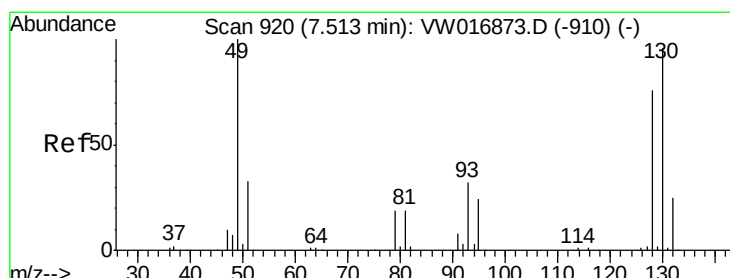
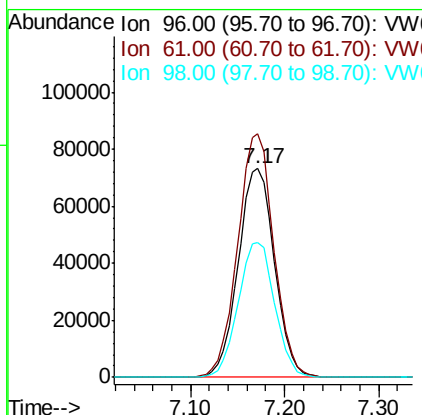
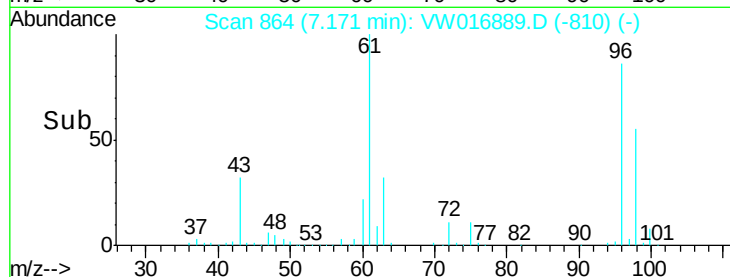
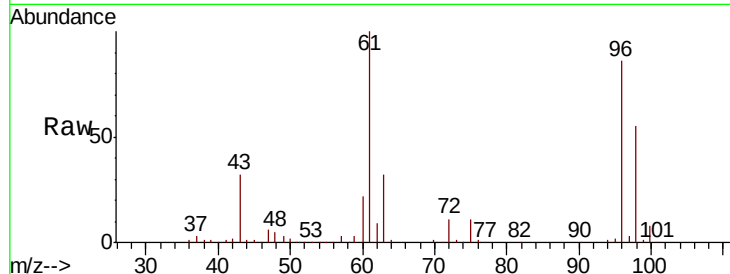


#22

cis-1,2-Dichloroethene
 Concen: 26.856 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW016889.D
 Acq: 13 Oct 2020 09:28

Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02530

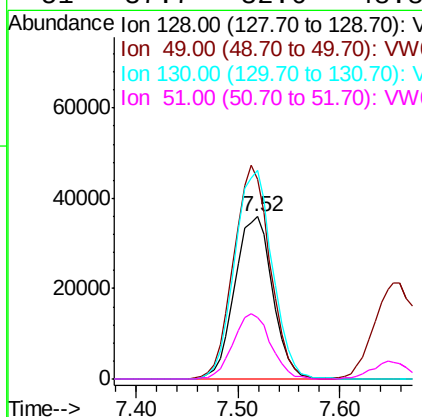
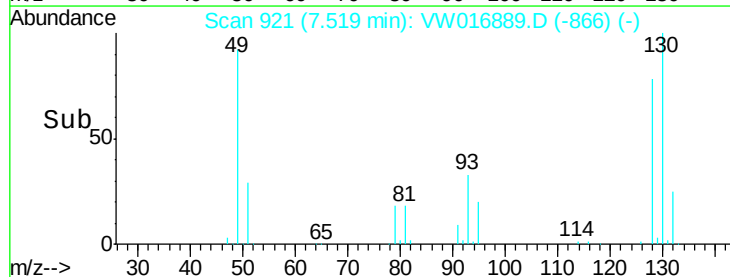
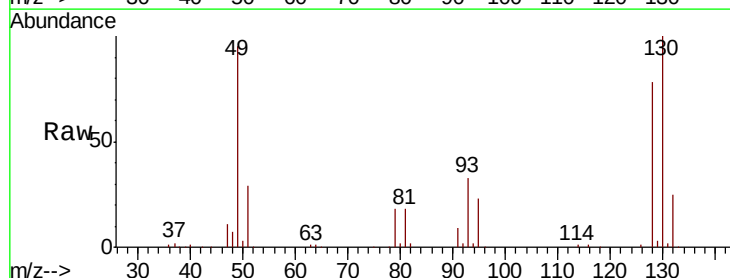
Tot Ion: 96 Resp: 197943
 Ion Ratio Lower Upper
 96 100
 61 116.6 76.0 141.2
 98 64.7 42.7 79.3

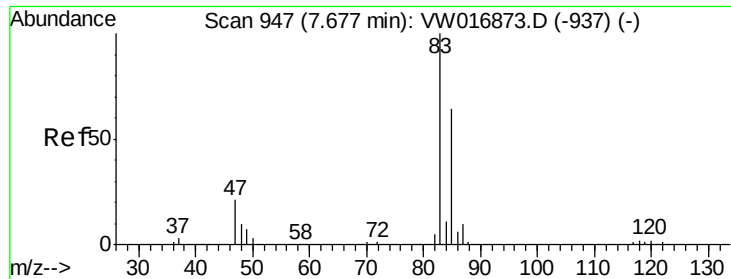


#23

Bromochloromethane
 Concen: 26.804 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. 0.01 min
 Lab File: VW016889.D
 Acq: 13 Oct 2020 09:28

Tgt Ion: 128 Resp: 92775
 Ion Ratio Lower Upper
 128 100
 49 122.9 88.5 164.3
 130 128.9 92.9 172.5
 51 37.7 32.6 48.8

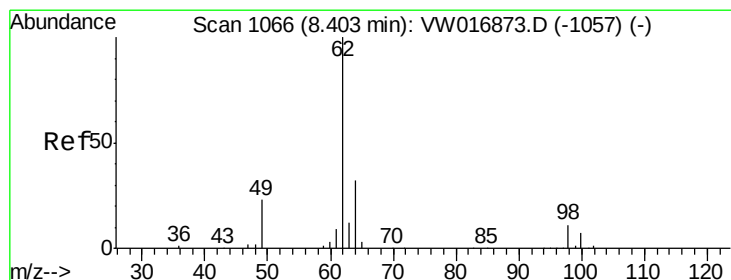
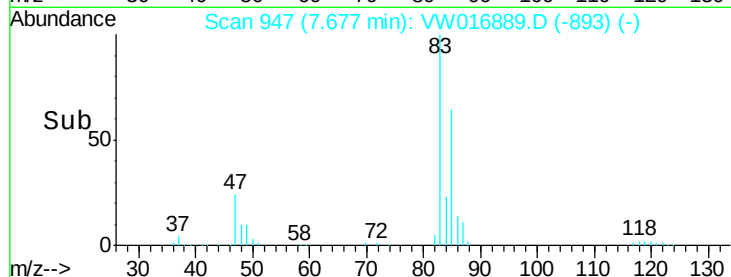
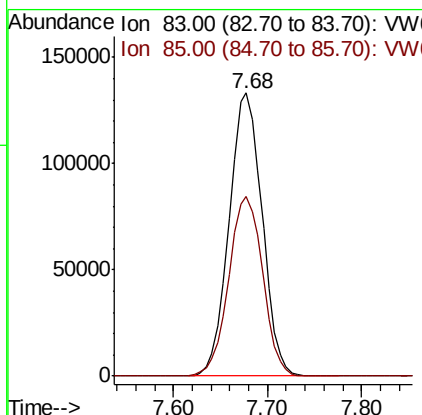
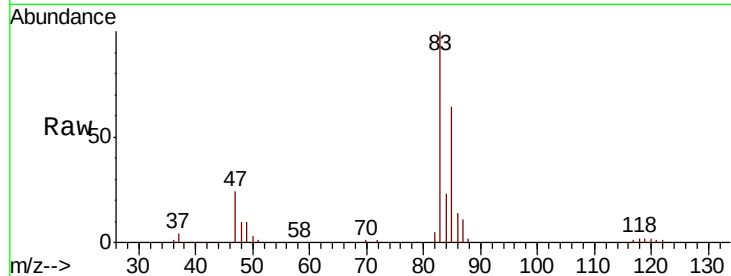




#25
Chloroform
Concen: 27.109 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW016889.D
Acq: 13 Oct 2020 09:28

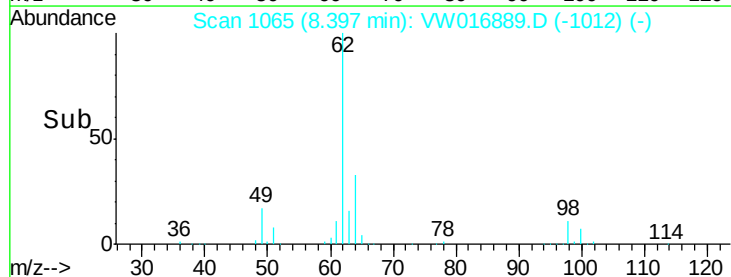
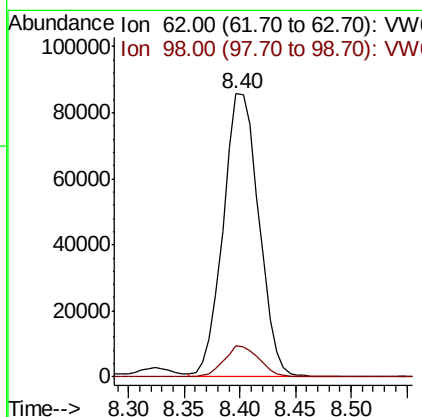
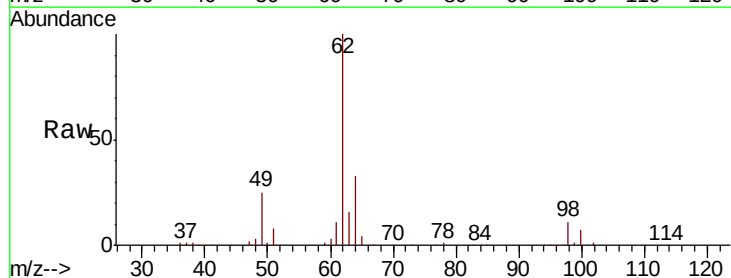
Instrument :
MSVOA_W
ClientSampled :
VSTD02530

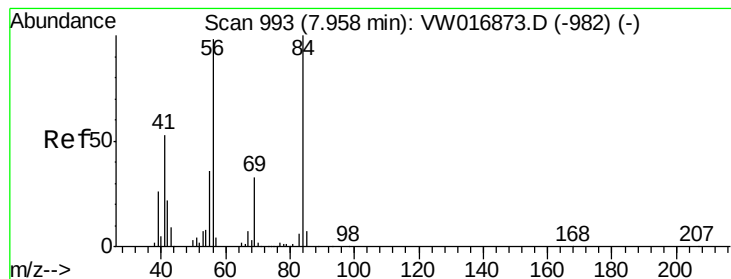
Tot Ion: 83 Resp: 325650
Ion Ratio Lower Upper
83 100
85 65.2 46.9 87.1



#27
1,2-Dichloroethane
Concen: 26.638 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW016889.D
Acq: 13 Oct 2020 09:28

Tgt Ion: 62 Resp: 191428
Ion Ratio Lower Upper
62 100
98 10.8 8.6 12.8





#30

Cyclohexane

Concen: 27.910 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW016889.D

Acq: 13 Oct 2020 09:28

Instrument :

MSVOA_W

ClientSampled :

VSTD02530

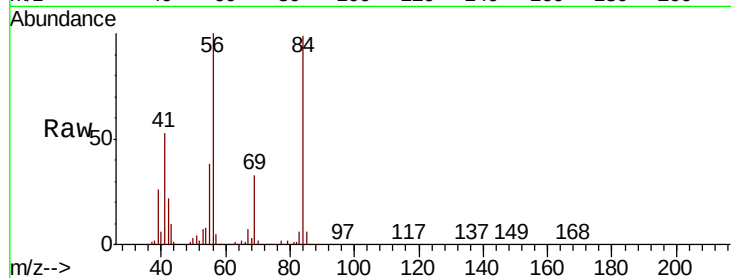
Tot Ion: 56 Resp: 274713

Ion Ratio Lower Upper

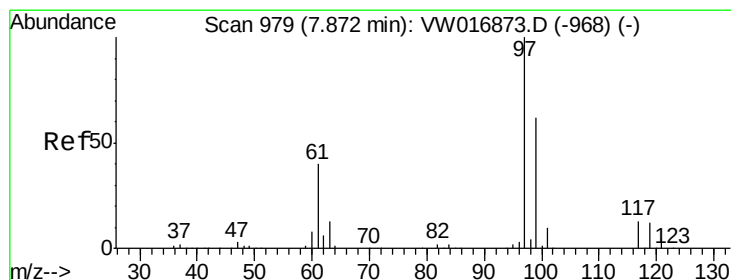
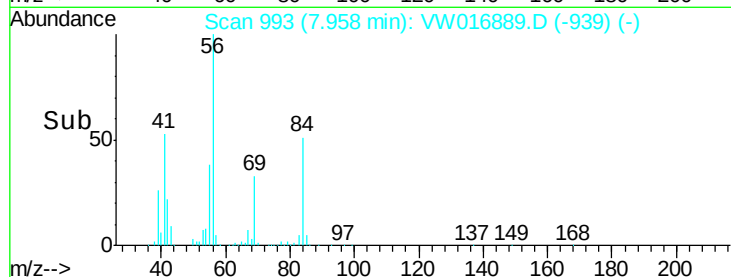
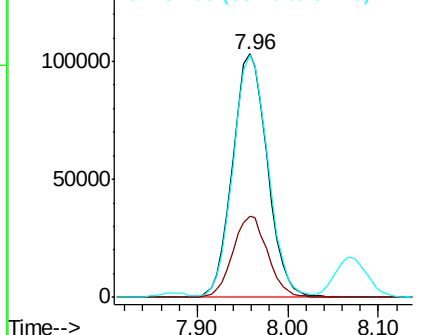
56 100

69 33.3 26.1 39.1

84 100.0 79.3 118.9



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



#31

1,1,1-Trichloroethane

Concen: 28.258 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW016889.D

Acq: 13 Oct 2020 09:28

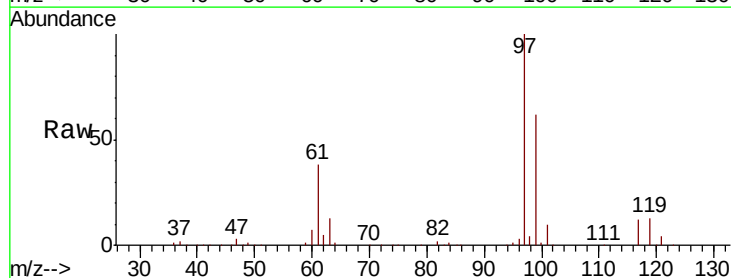
Tgt Ion: 97 Resp: 285223

Ion Ratio Lower Upper

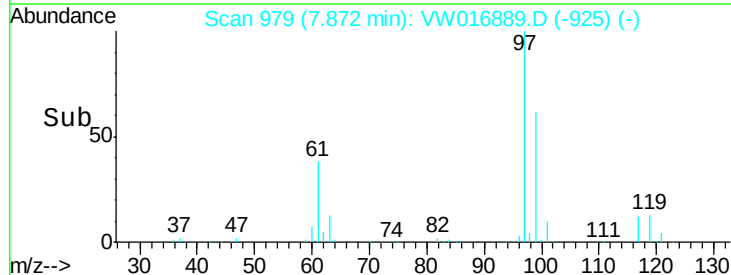
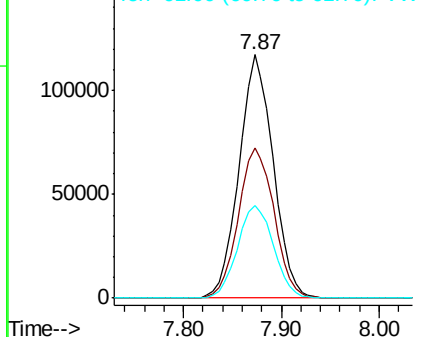
97 100

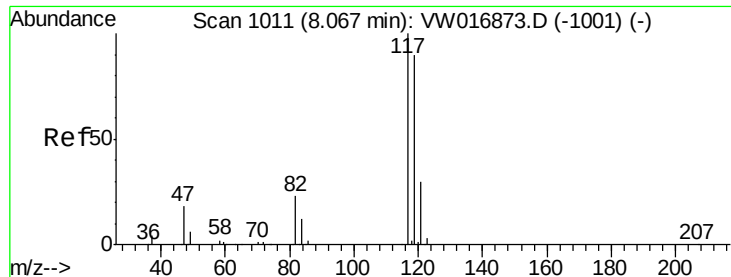
99 64.5 51.5 77.3

61 40.3 32.5 48.7



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





#32

Carbon tetrachloride

Concen: 28.534 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW016889.D

Acq: 13 Oct 2020 09:28

Instrument :

MSVOA_W

ClientSampleId :

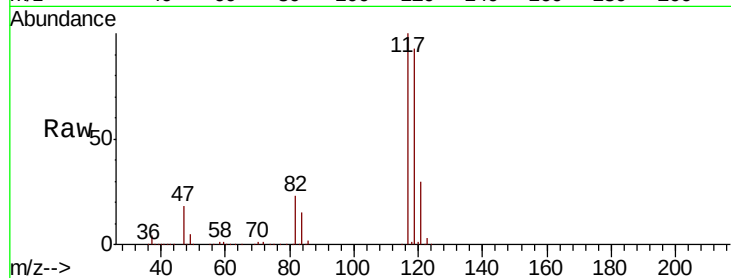
VSTD02530

Tot Ion:117 Resp: 281052

Ion Ratio Lower Upper

117 100

119 95.1 77.4 116.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

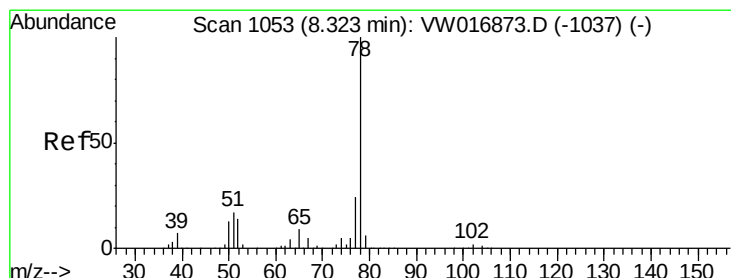
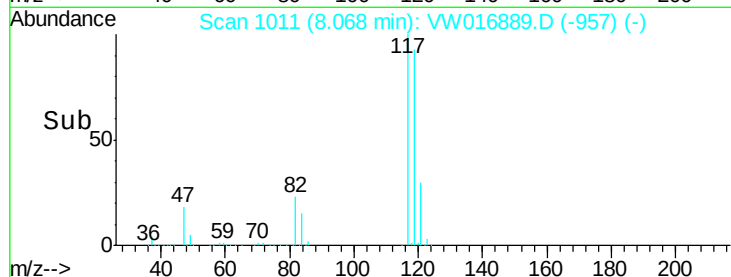
100000

50000

0

Time-->

8.00 8.10 8.20



#34

Benzene

Concen: 27.645 ug/L

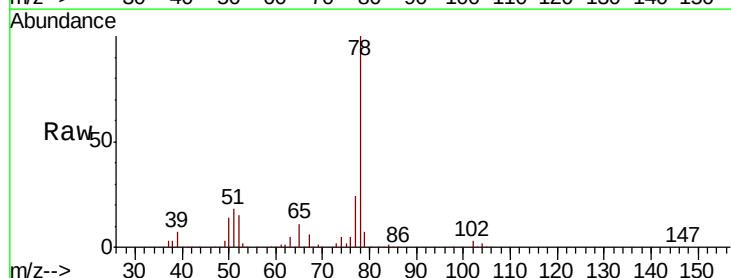
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW016889.D

Acq: 13 Oct 2020 09:28

Tgt Ion: 78 Resp: 704613



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

300000

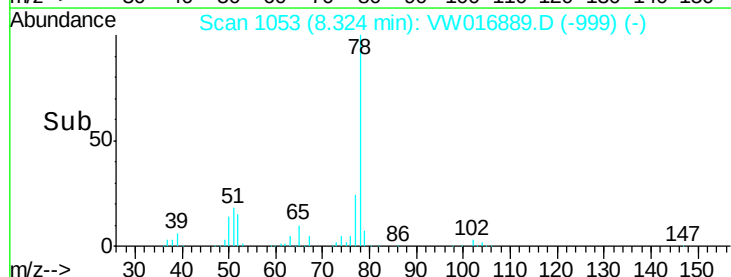
200000

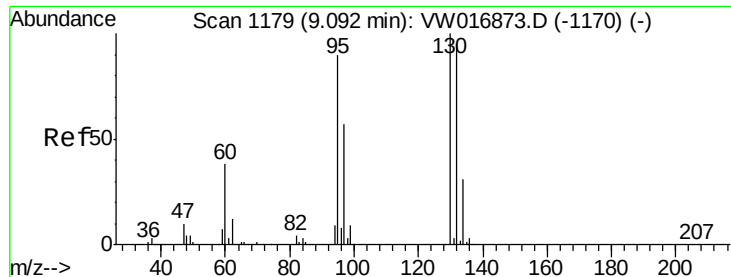
100000

0

Time-->

8.20 8.30 8.40

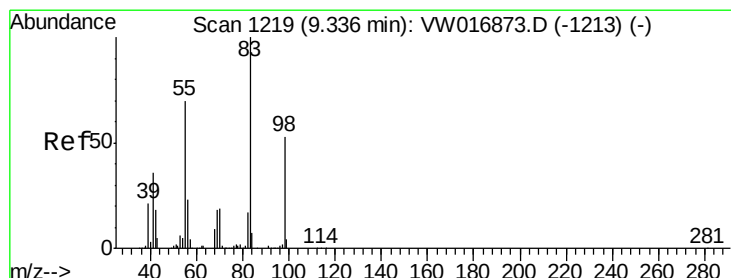
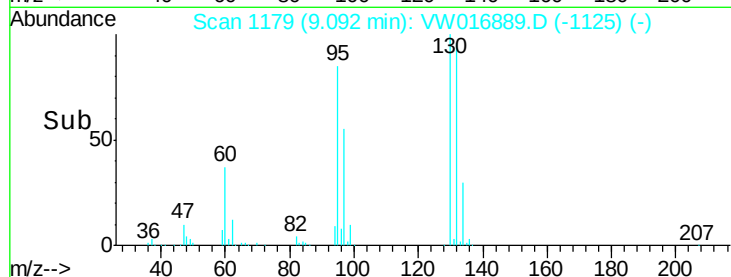
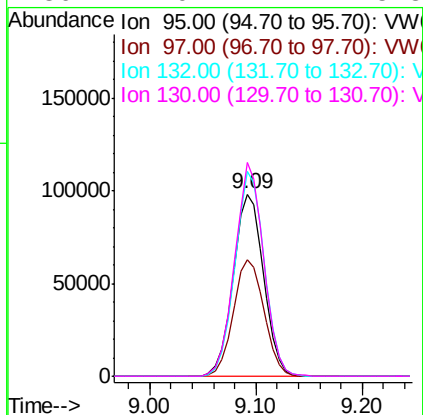
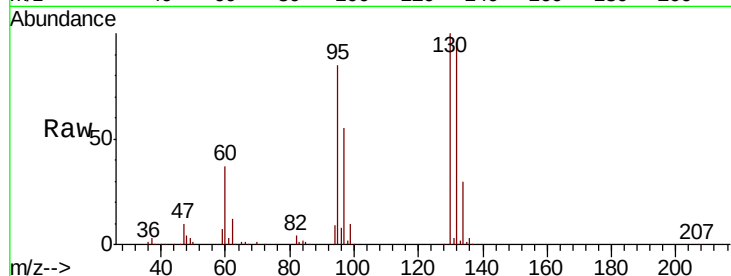




#35
 Trichloroethene
 Concen: 27.193 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW016889.D
 Acq: 13 Oct 2020 09:28

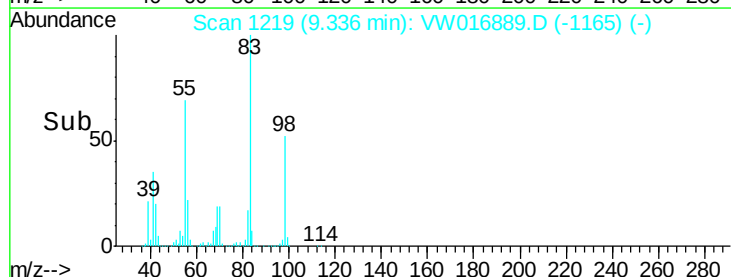
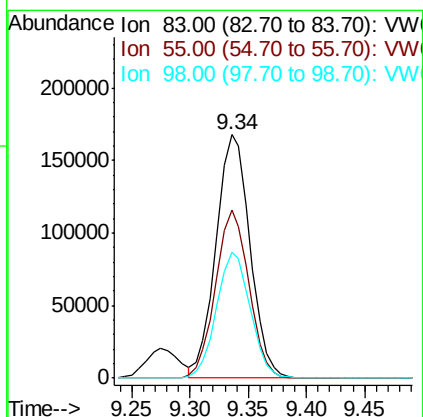
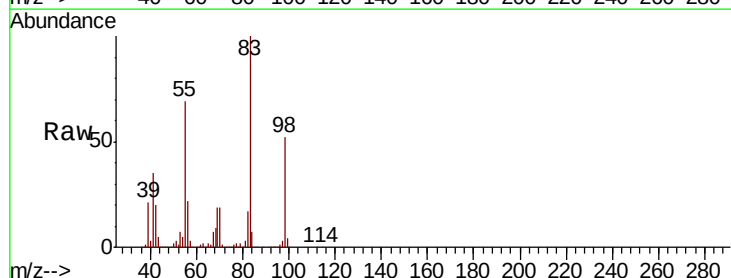
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

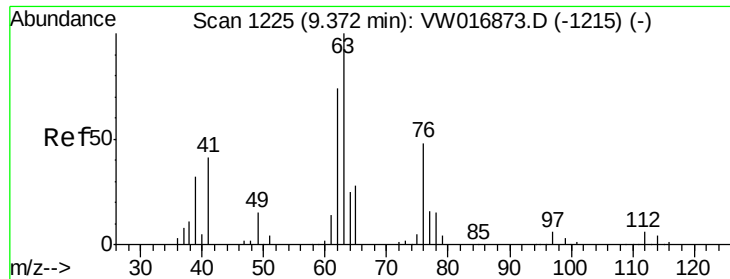
Tot Ion:	95	Resp:	196050
Ion	Ratio	Lower	Upper
95	100		
97	64.6	44.7	83.1
132	109.0	73.8	137.2
130	112.0	77.1	143.3



#36
 Methylcyclohexane
 Concen: 27.991 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW016889.D
 Acq: 13 Oct 2020 09:28

Tgt Ion:	83	Resp:	339310
Ion	Ratio	Lower	Upper
83	100		
55	68.0	54.2	81.4
98	51.4	41.4	62.2





#40

1,2-Dichloropropane

Concen: 27.742 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VW016889.D

Acq: 13 Oct 2020 09:28

Instrument :

MSVOA_W

ClientSampleId :

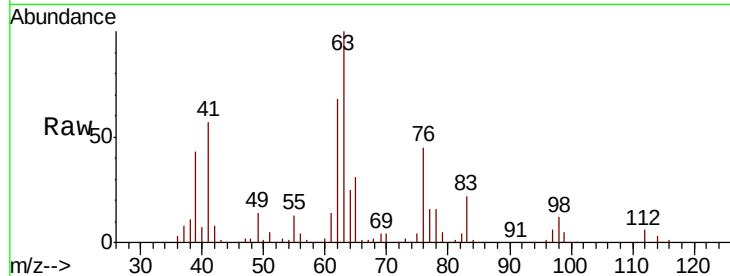
VSTD02530

Tot Ion: 63 Resp: 159893

Ion Ratio Lower Upper

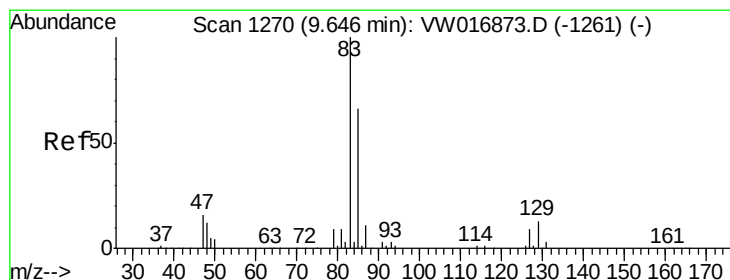
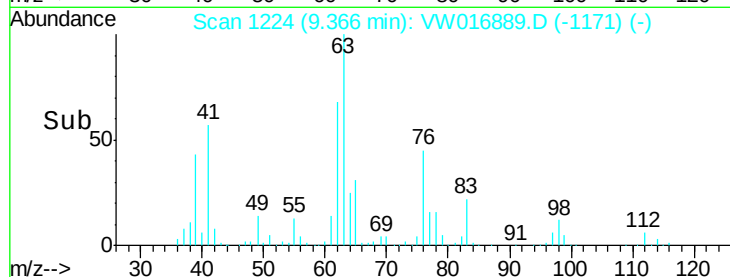
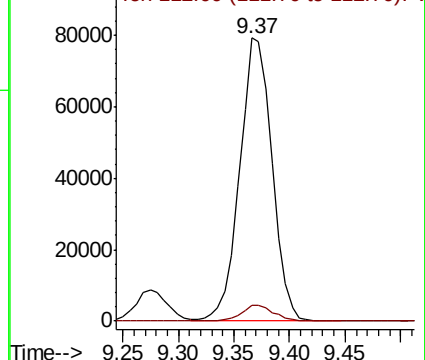
63 100

112 5.6 4.5 6.7



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 27.543 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW016889.D

Acq: 13 Oct 2020 09:28

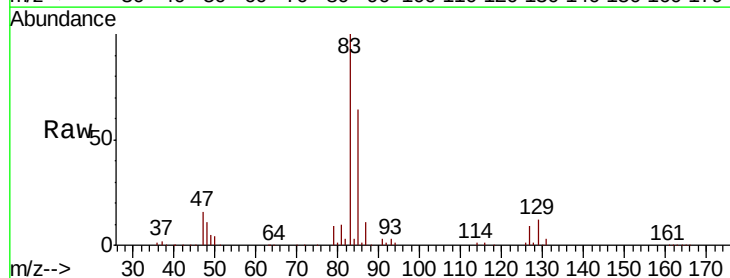
Tgt Ion: 83 Resp: 223011

Ion Ratio Lower Upper

83 100

85 64.5 46.2 85.8

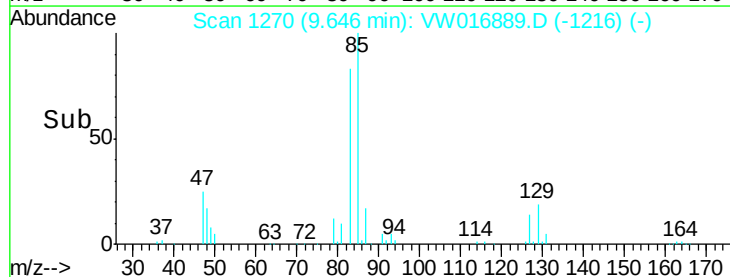
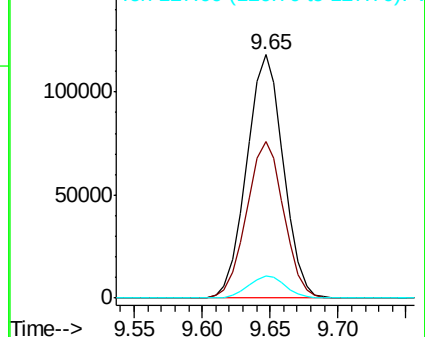
127 9.2 7.5 11.3

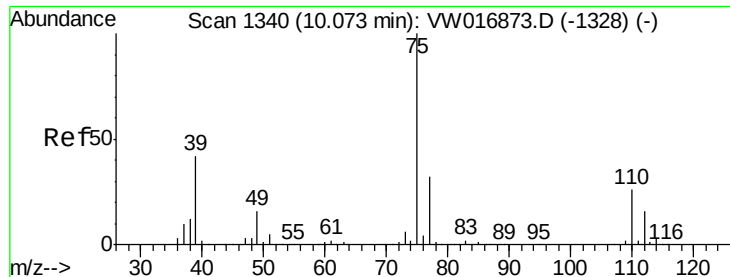


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 28.393 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW016889.D

Acq: 13 Oct 2020 09:28

Instrument :

MSVOA_W

ClientSampled :

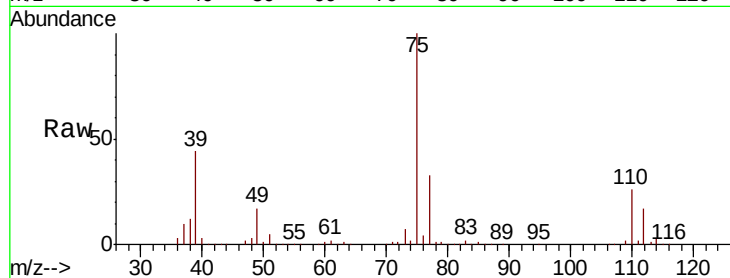
VSTD02530

Tot Ion: 75 Resp: 260909

Ion Ratio Lower Upper

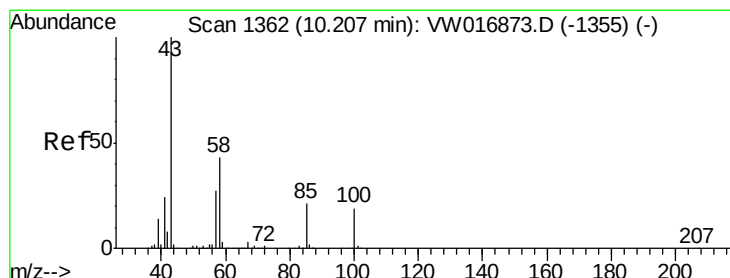
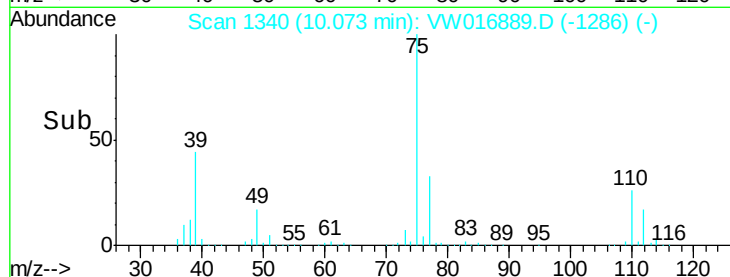
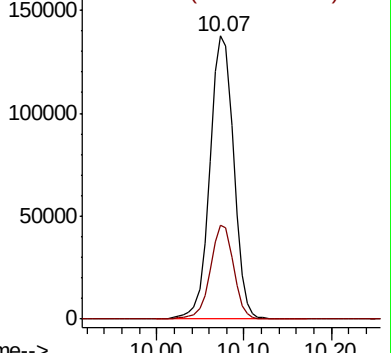
75 100

77 33.0 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#43

4-Methyl-2-pentanone

Concen: 57.070 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW016889.D

Acq: 13 Oct 2020 09:28

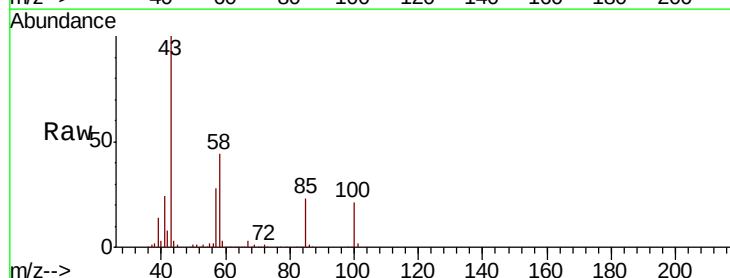
Tgt Ion: 43 Resp: 165592

Ion Ratio Lower Upper

43 100

58 43.4 34.7 52.1

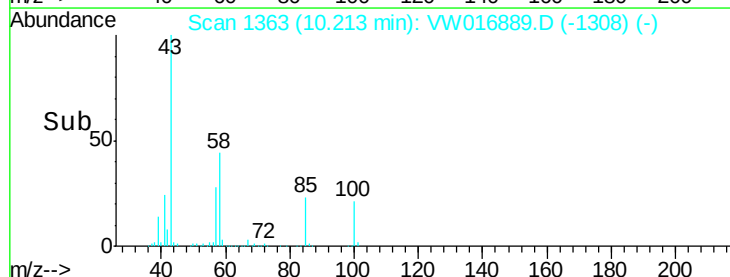
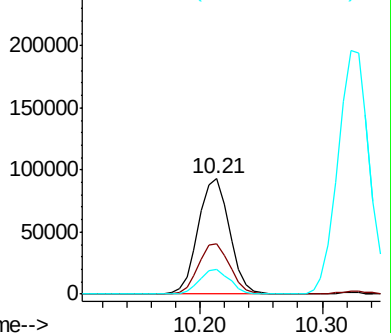
100 20.7 16.9 25.3

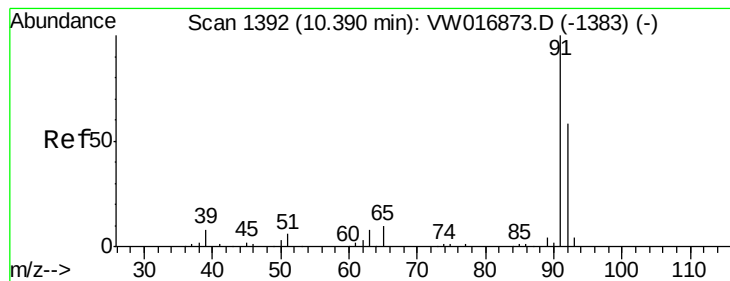


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW





#44

Toluene

Concen: 27.629 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016889.D

Acq: 13 Oct 2020 09:28

Instrument :

MSVOA_W

ClientSampleId :

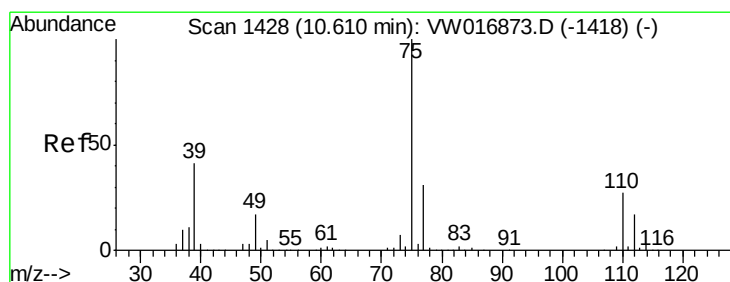
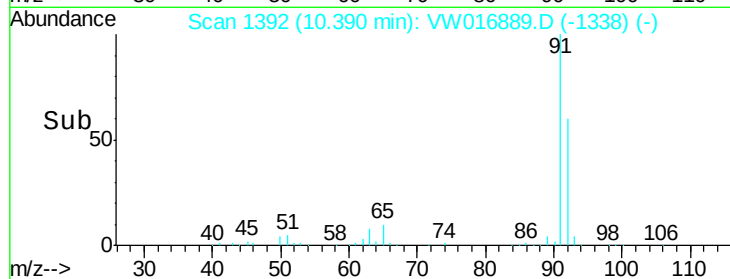
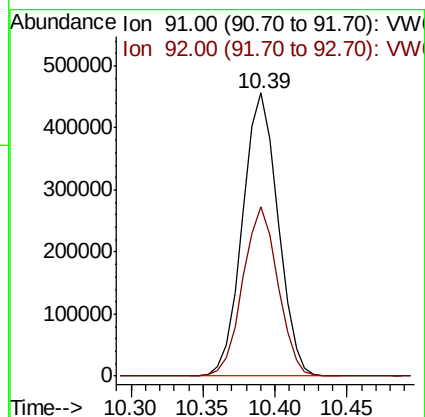
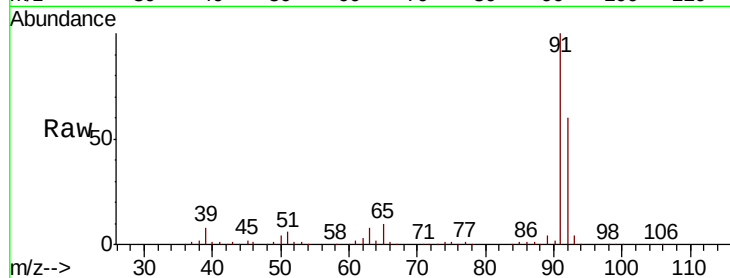
VSTD02530

Tot Ion: 91 Resp: 781224

Ion Ratio Lower Upper

91 100

92 59.7 39.4 73.2



#45

trans-1,3-Dichloropropene

Concen: 28.630 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW016889.D

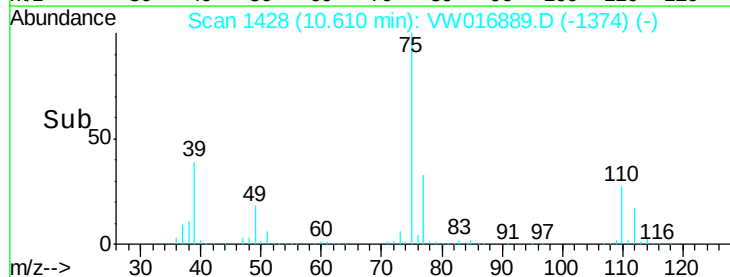
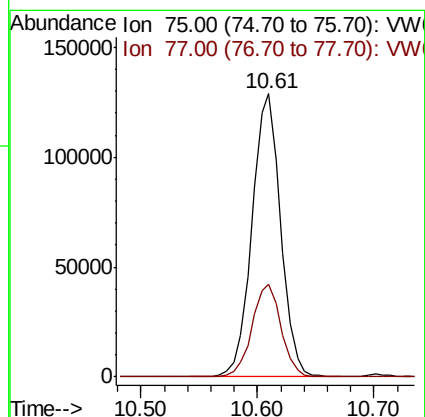
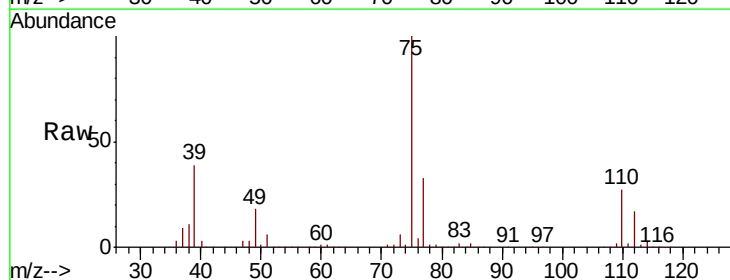
Acq: 13 Oct 2020 09:28

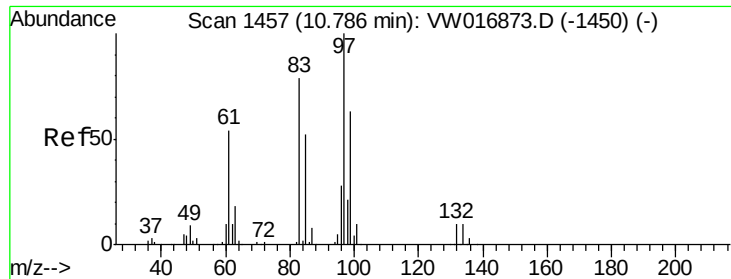
Tgt Ion: 75 Resp: 221380

Ion Ratio Lower Upper

75 100

77 32.6 22.2 41.2

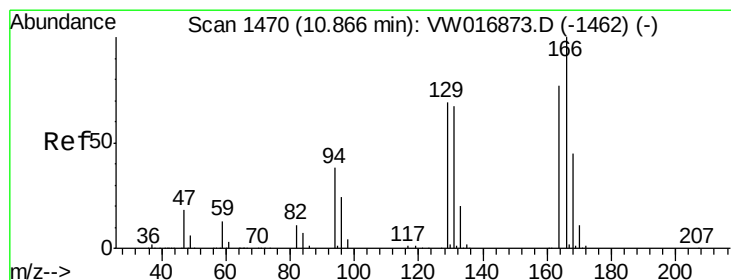
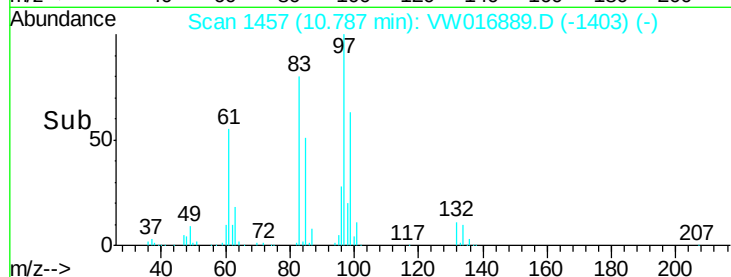
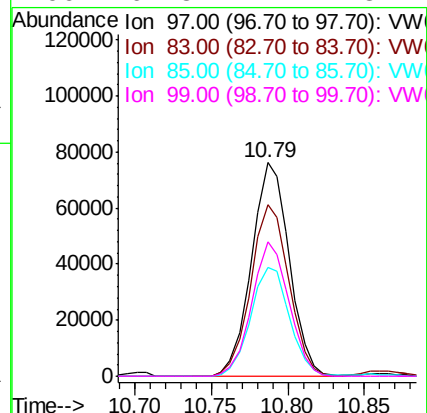
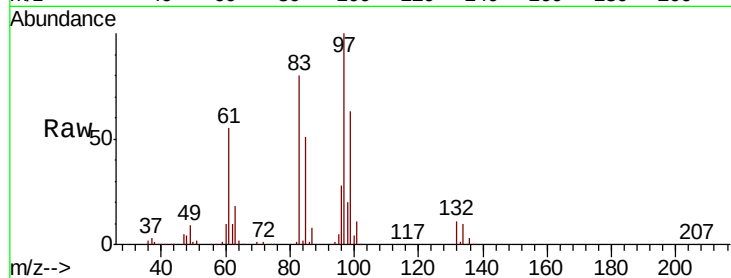




#46
 1,1,2-Trichloroethane
 Concen: 28.012 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW016889.D
 Acq: 13 Oct 2020 09:28

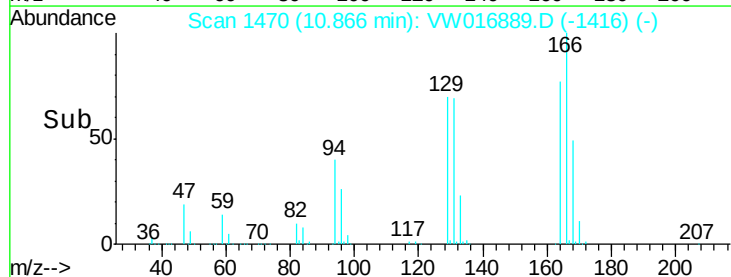
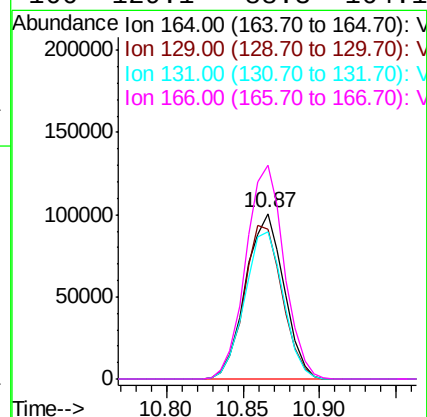
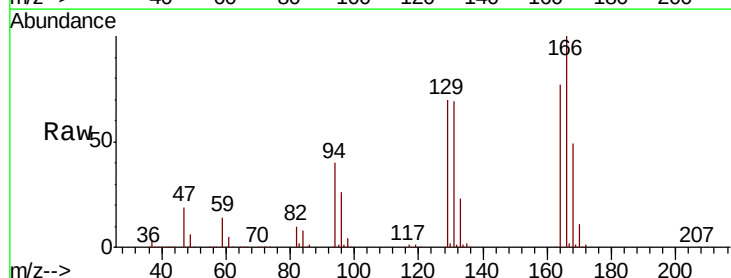
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

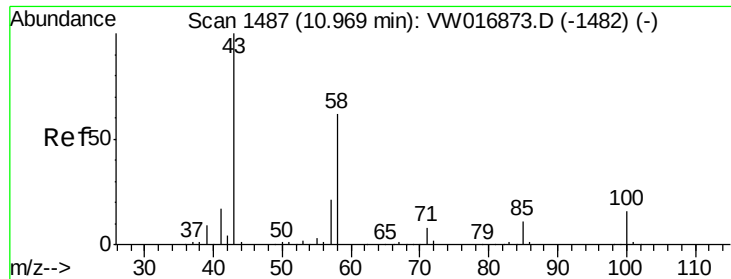
Tot Ion:	97	Resp:	131240
Ion	Ratio	Lower	Upper
97	100		
83	80.1	56.8	105.4
85	51.2	37.0	68.6
99	62.8	44.2	82.2



#47
 Tetrachloroethene
 Concen: 26.247 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VW016889.D
 Acq: 13 Oct 2020 09:28

Tgt Ion:	164	Resp:	175440
Ion	Ratio	Lower	Upper
164	100		
129	90.9	61.7	114.7
131	89.2	59.7	110.9
166	129.1	88.3	164.1

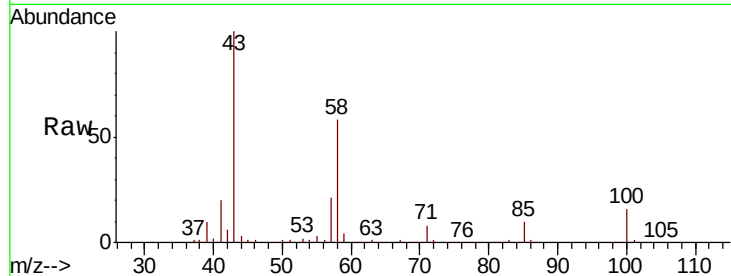




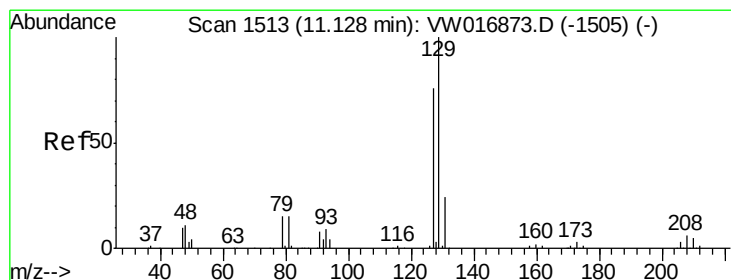
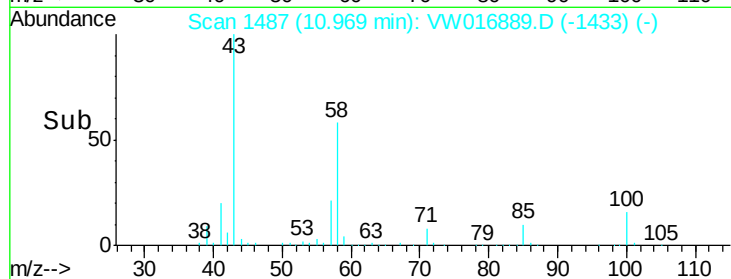
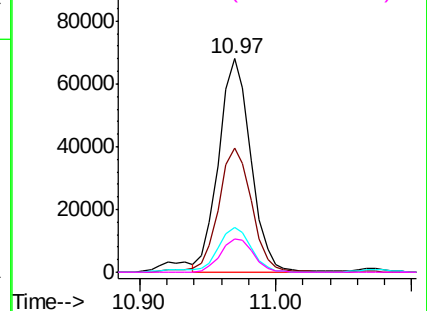
#49
2-Hexanone
Concen: 58.478 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW016889.D
Acq: 13 Oct 2020 09:28

Instrument :
MSVOA_W
ClientSampleId :
VSTD02530

Tot Ion: 43 Resp: 111996
Ion Ratio Lower Upper
43 100
58 59.5 47.1 70.7
57 21.4 16.2 24.4
100 16.1 13.3 19.9

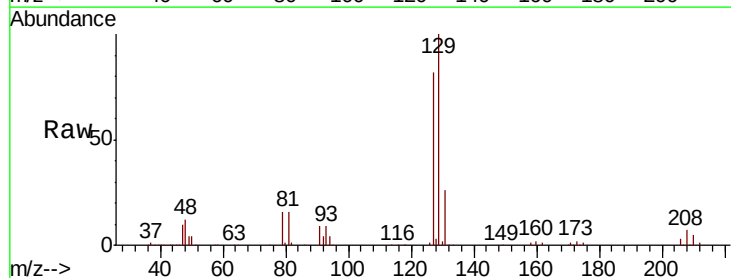


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW
Ion 57.00 (56.70 to 57.70): VW
Ion 100.00 (99.70 to 100.70): VW

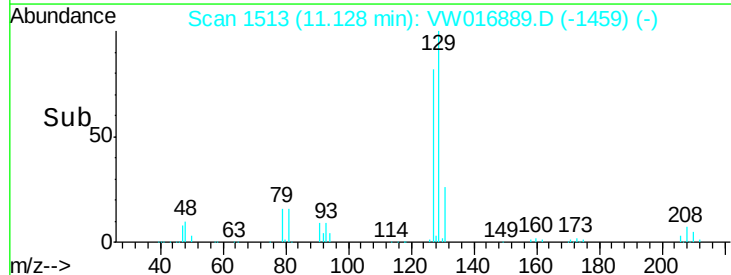
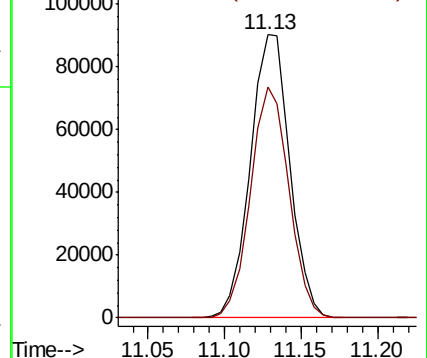


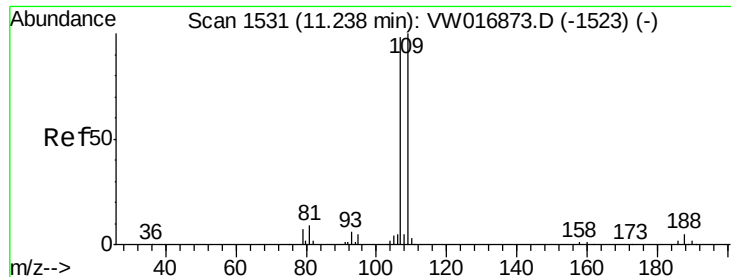
#50
Dibromochloromethane
Concen: 27.947 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW016889.D
Acq: 13 Oct 2020 09:28

Tgt Ion: 129 Resp: 162779
Ion Ratio Lower Upper
129 100
127 81.7 54.0 100.4



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

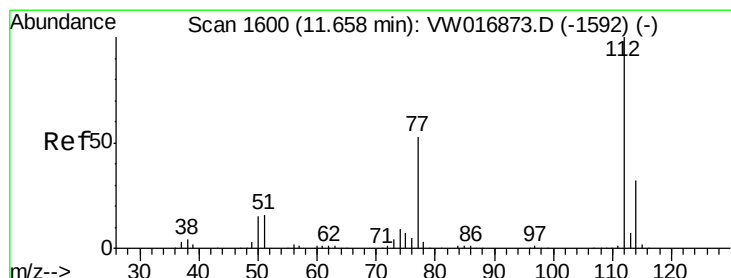
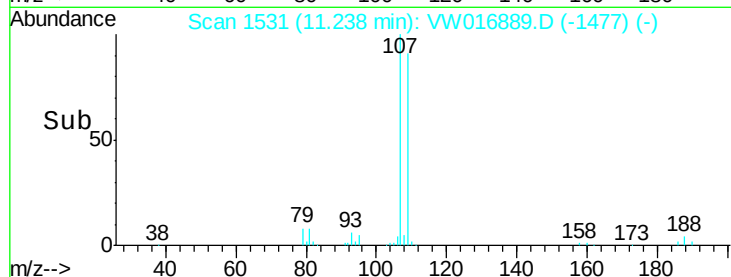
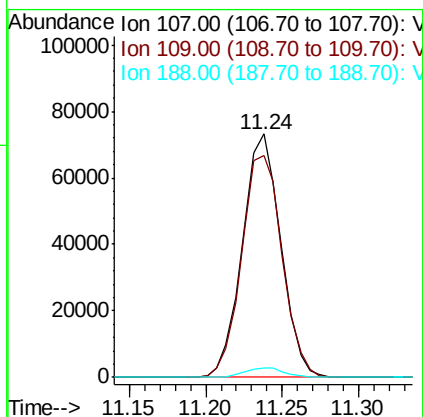
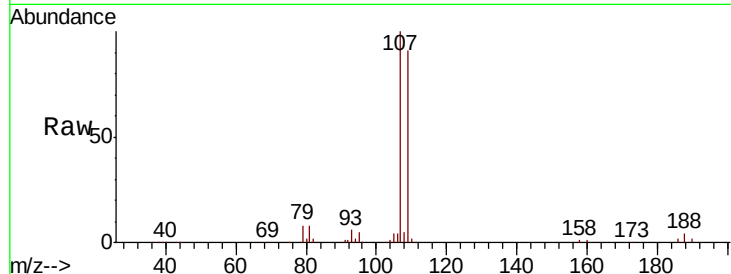




#51
 1,2-Dibromoethane
 Concen: 27.798 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW016889.D
 Acq: 13 Oct 2020 09:28

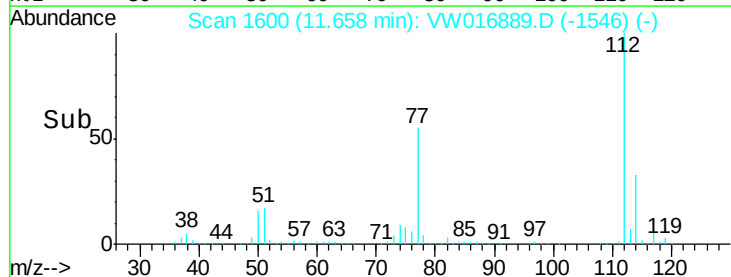
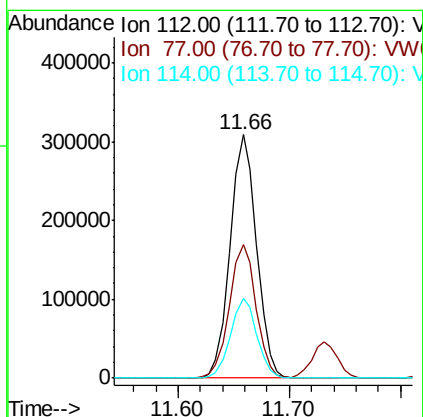
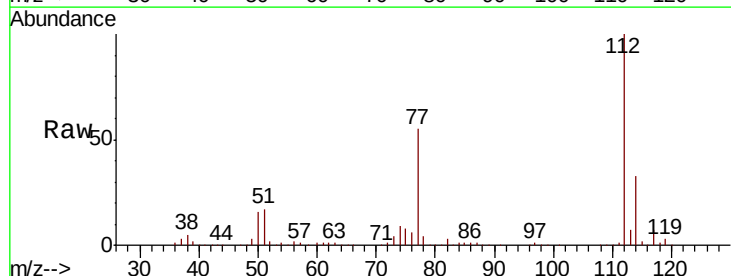
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

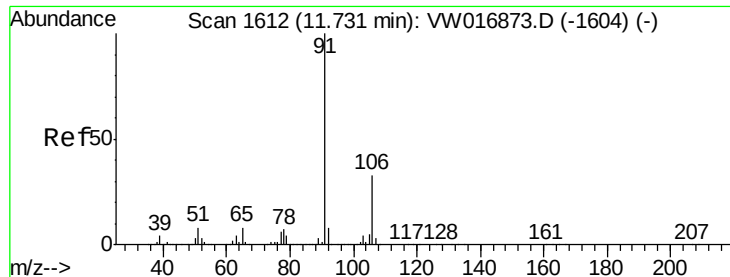
Tot Ion	Ratio	Lower	Upper
107	100		
109	91.2	68.4	127.0
188	4.0	3.4	5.0



#52
 Chlorobenzene
 Concen: 26.644 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW016889.D
 Acq: 13 Oct 2020 09:28

Tgt Ion	Ratio	Lower	Upper
112	100		
77	54.7	44.0	66.0
114	32.9	22.3	41.3





#53

Ethylbenzene

Concen: 28.055 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW016889.D

Acq: 13 Oct 2020 09:28

Instrument :

MSVOA_W

ClientSampleId :

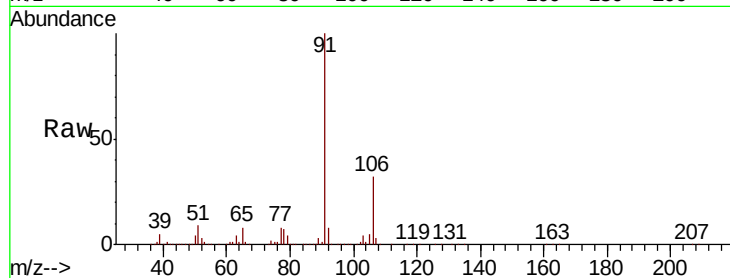
VSTD02530

Tot Ion: 91 Resp: 889874

Ion Ratio Lower Upper

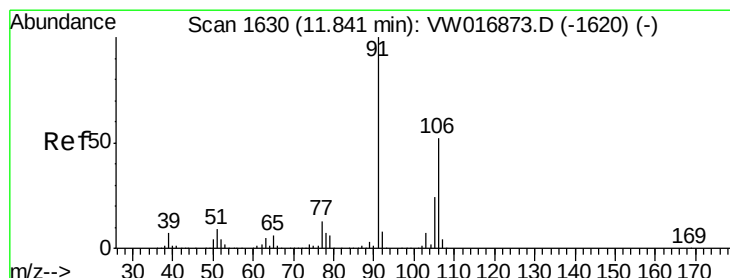
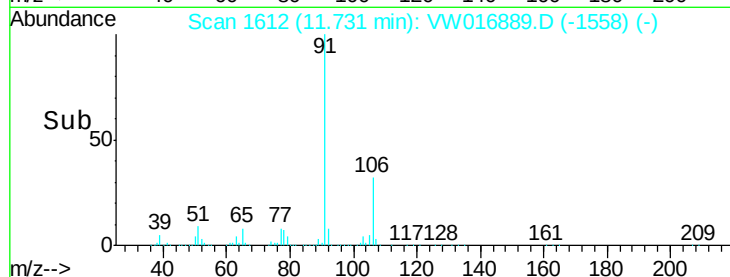
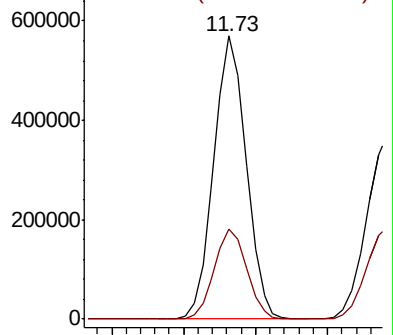
91 100

106 32.1 22.8 42.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 28.317 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW016889.D

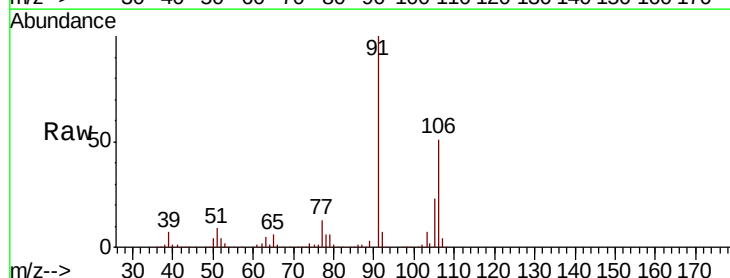
Acq: 13 Oct 2020 09:28

Tgt Ion: 106 Resp: 349330

Ion Ratio Lower Upper

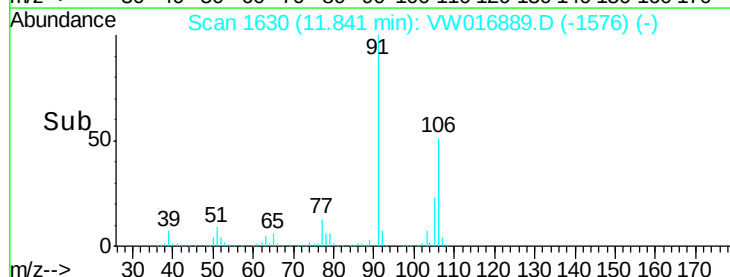
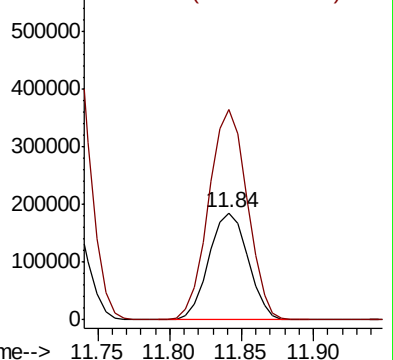
106 100

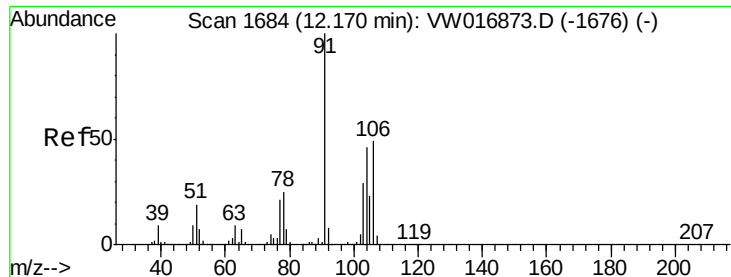
91 196.6 135.6 251.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#55

o-xylene

Concen: 27.366 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VW016889.D

Acq: 13 Oct 2020 09:28

Instrument :

MSVOA_W

ClientSampled :

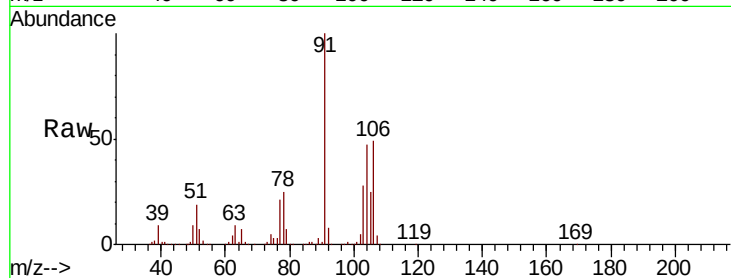
VSTD02530

Tot Ion:106 Resp: 322553

Ion Ratio Lower Upper

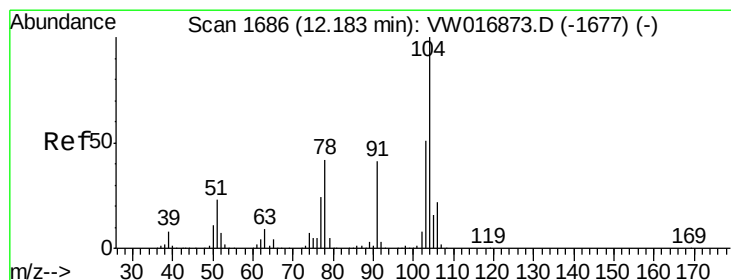
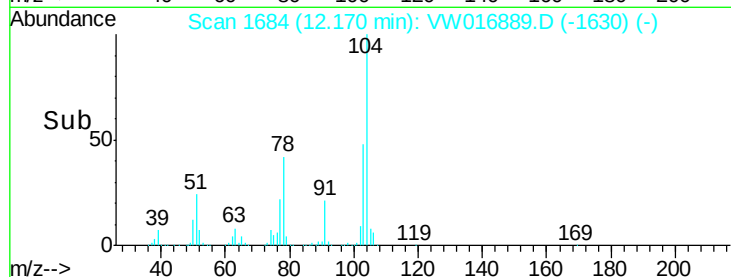
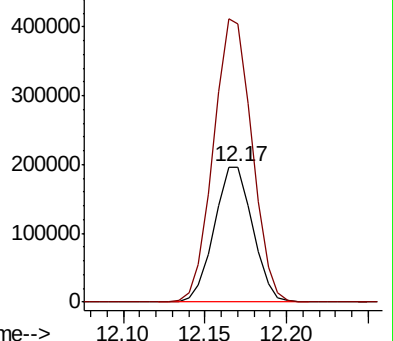
106 100

91 206.0 142.6 264.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 28.473 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW016889.D

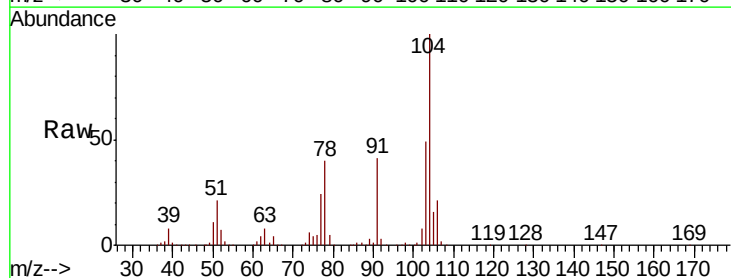
Acq: 13 Oct 2020 09:28

Tgt Ion:104 Resp: 553794

Ion Ratio Lower Upper

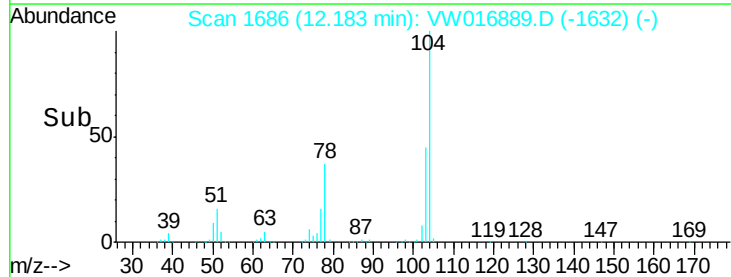
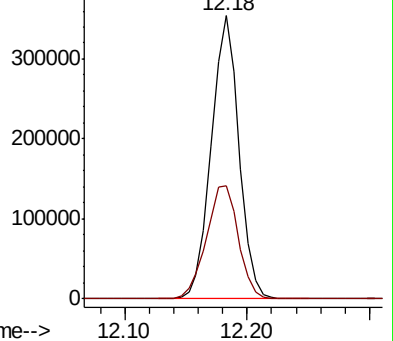
104 100

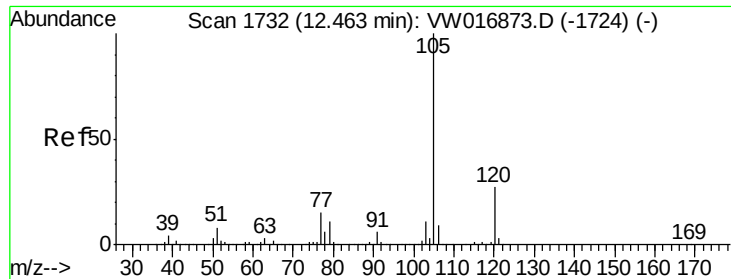
78 40.2 30.7 57.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 27.907 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW016889.D

Acq: 13 Oct 2020 09:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD02530

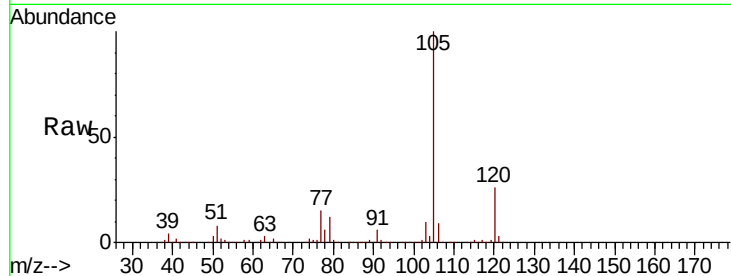
Tot Ion:105 Resp: 900709

Ion Ratio Lower Upper

105 100

120 27.3 21.5 32.3

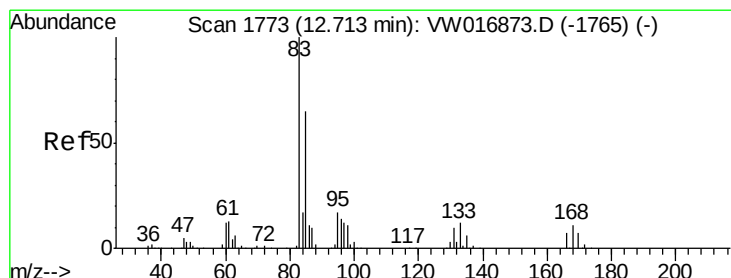
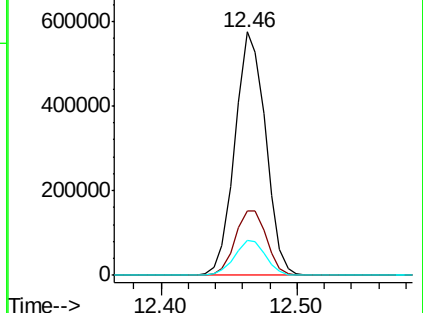
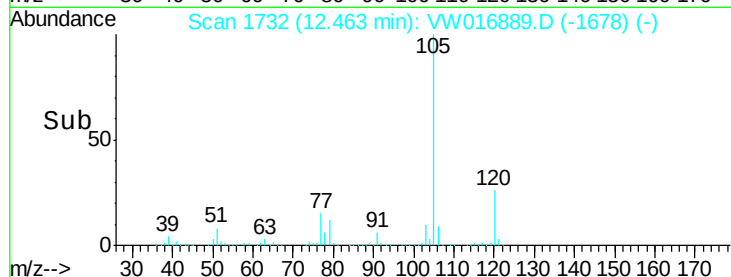
77 14.5 11.4 17.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 27.837 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW016889.D

Acq: 13 Oct 2020 09:28

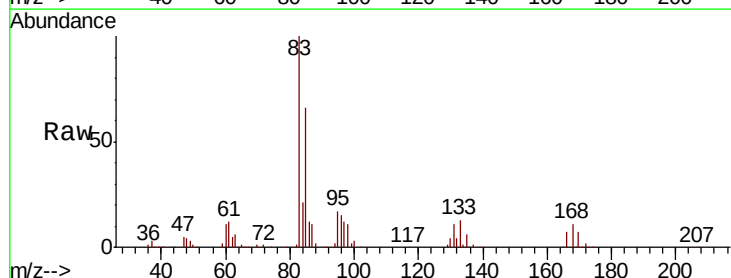
Tgt Ion: 83 Resp: 144136

Ion Ratio Lower Upper

83 100

85 65.6 43.3 80.5

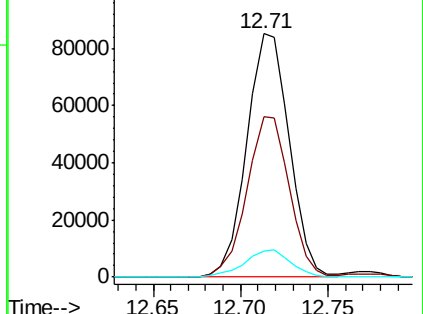
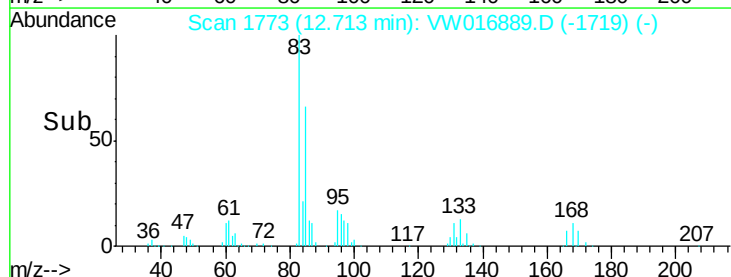
131 10.9 9.0 13.4

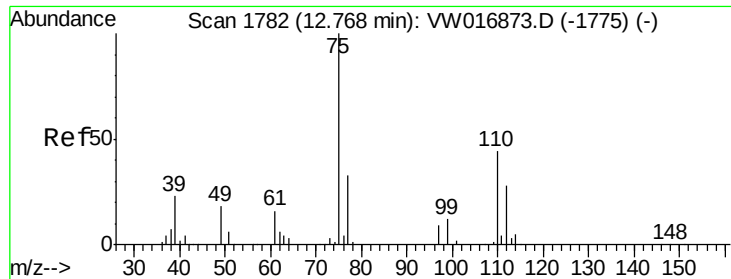


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

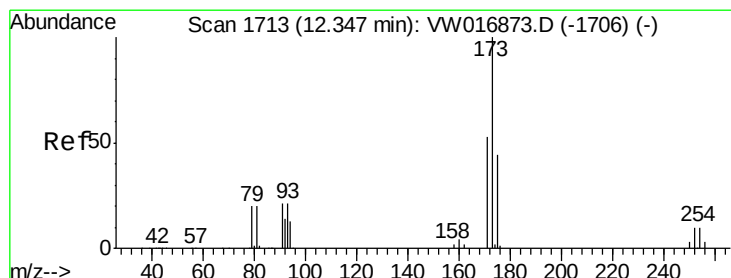
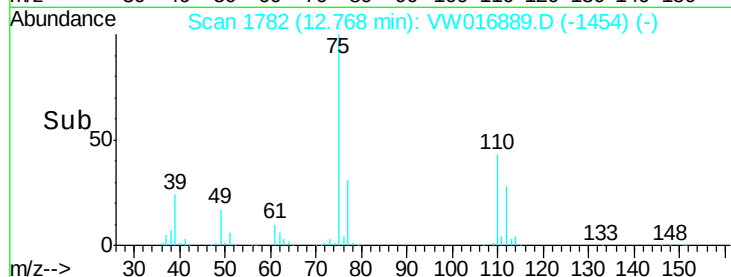
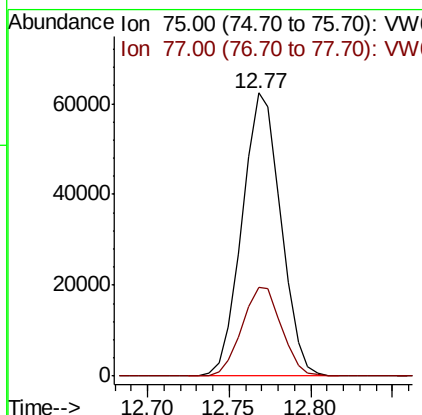
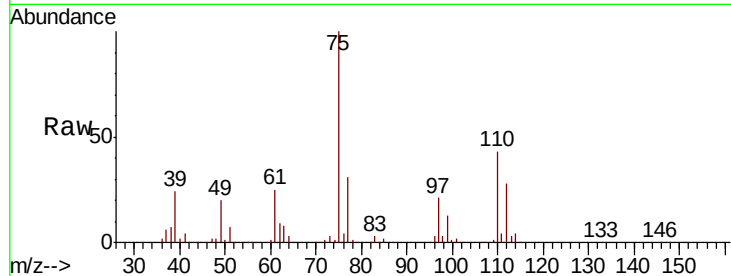




#59
 1,2,3-Trichloropropane
 Concen: 27.538 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW016889.D
 Acq: 13 Oct 2020 09:28

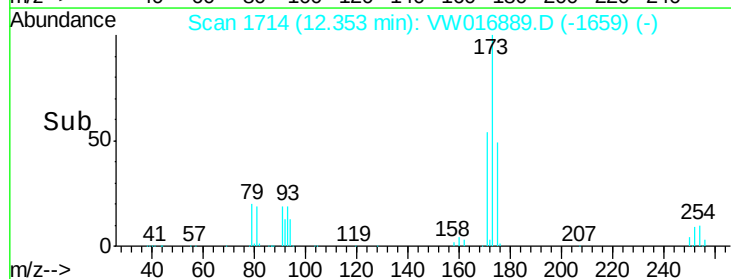
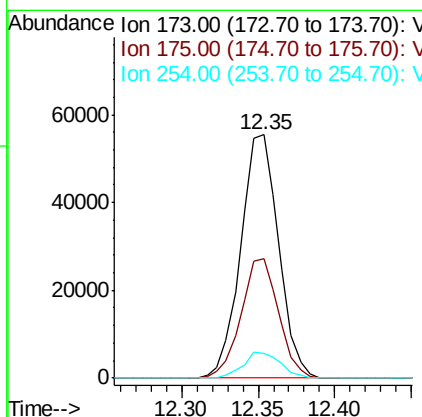
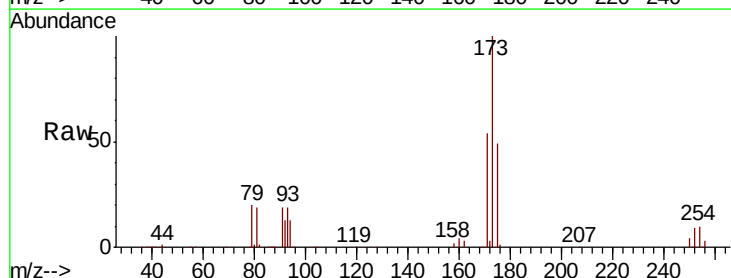
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

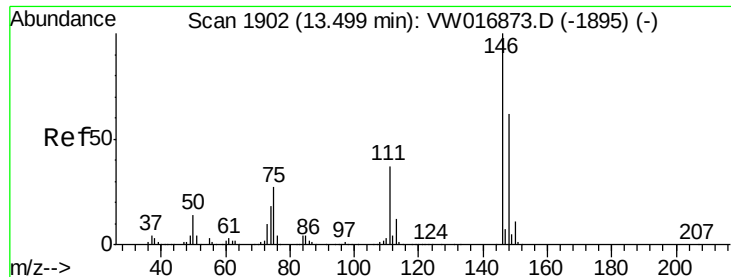
Tot Ion: 75 Resp: 103293
 Ion Ratio Lower Upper
 75 100
 77 32.1 26.2 39.2



#62
 Bromoform
 Concen: 28.708 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. 0.01 min
 Lab File: VW016889.D
 Acq: 13 Oct 2020 09:28

Tgt Ion: 173 Resp: 95686
 Ion Ratio Lower Upper
 173 100
 175 48.4 39.9 59.9
 254 10.5 8.7 13.1

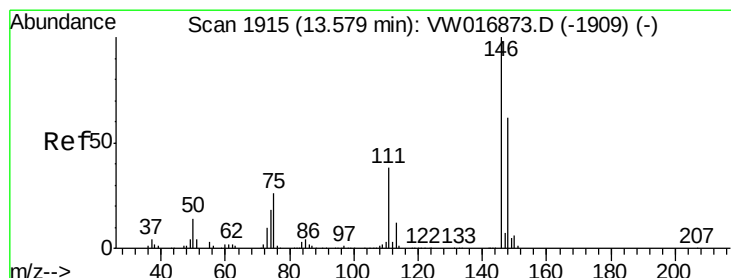
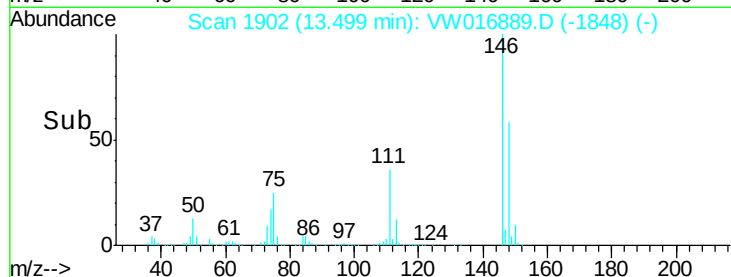
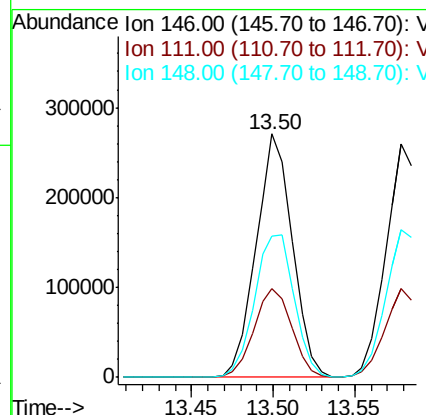
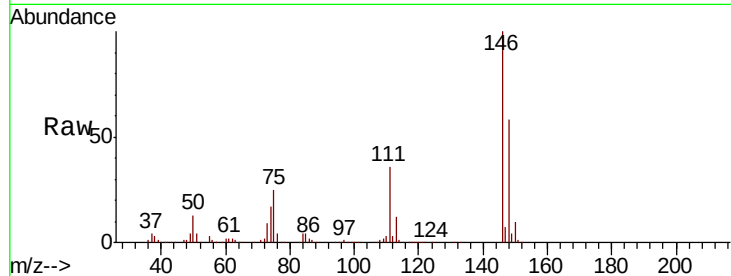




#63
 1,3-Dichlorobenzene
 Concen: 27.801 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016889.D
 Acq: 13 Oct 2020 09:28

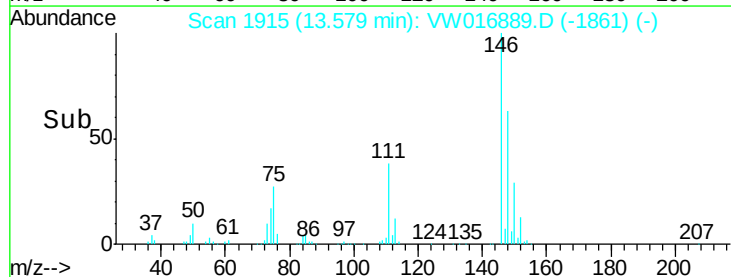
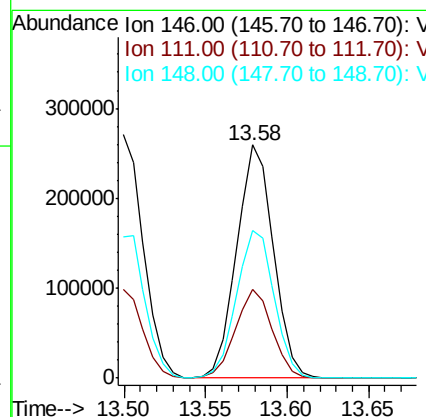
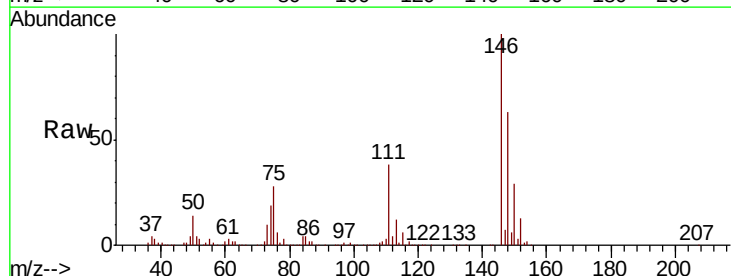
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

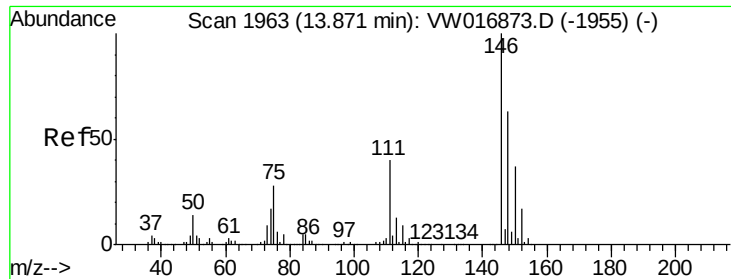
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.2	26.9	49.9
148	57.8	45.7	84.9



#64
 1,4-Dichlorobenzene
 Concen: 27.047 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW016889.D
 Acq: 13 Oct 2020 09:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	26.0	48.4
148	63.5	43.9	81.5

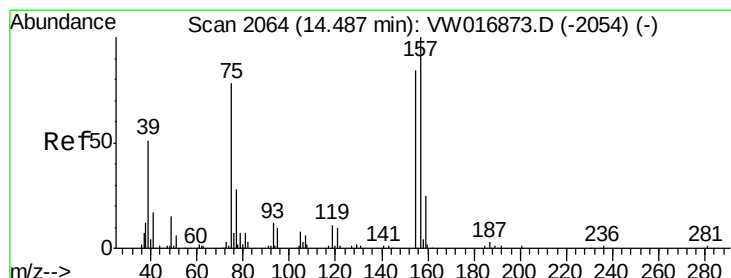
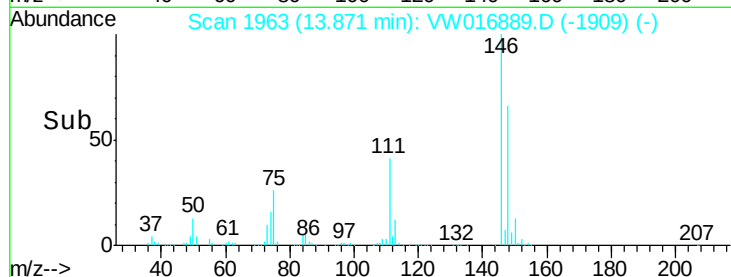
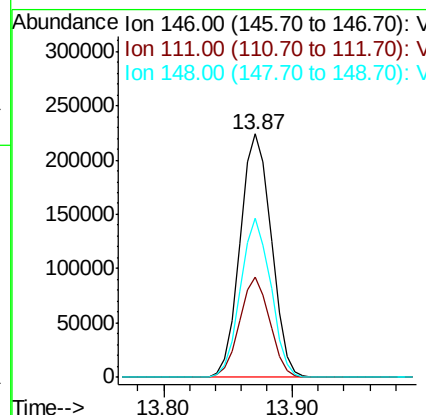
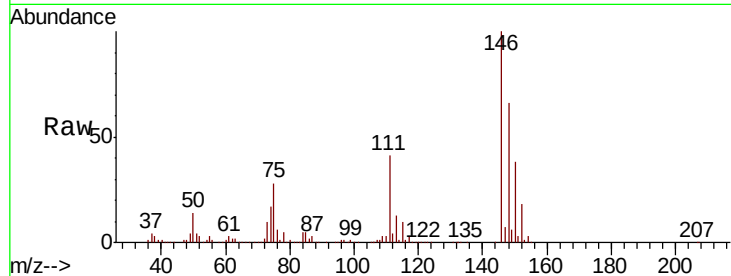




#65
 1,2-Dichlorobenzene
 Concen: 27.827 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW016889.D
 Acq: 13 Oct 2020 09:28

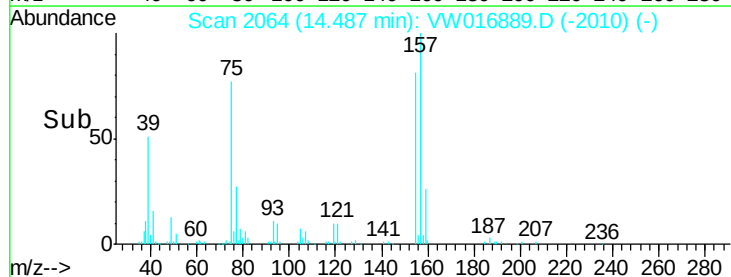
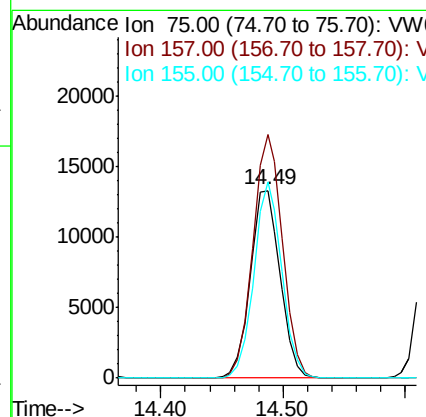
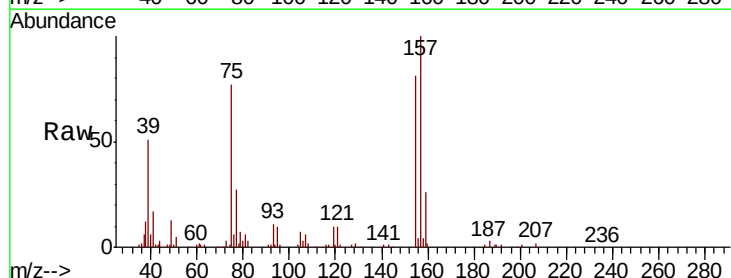
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

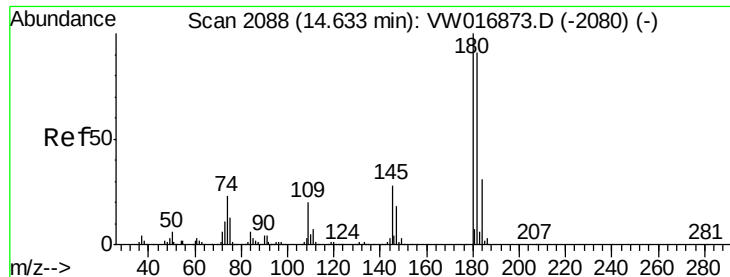
Tot Ion:146 Resp: 375704
 Ion Ratio Lower Upper
 146 100
 111 41.0 32.1 48.1
 148 65.6 51.8 77.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 27.525 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW016889.D
 Acq: 13 Oct 2020 09:28

Tgt Ion: 75 Resp: 22542
 Ion Ratio Lower Upper
 75 100
 157 129.9 100.5 150.7
 155 105.0 74.7 112.1

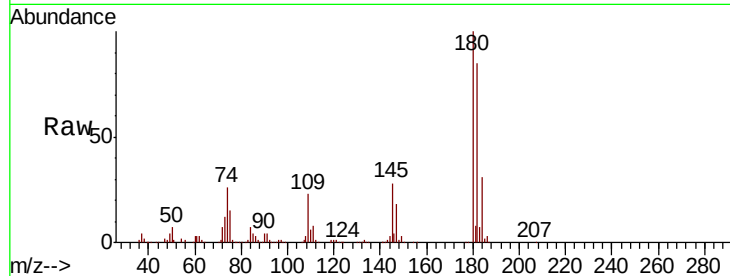




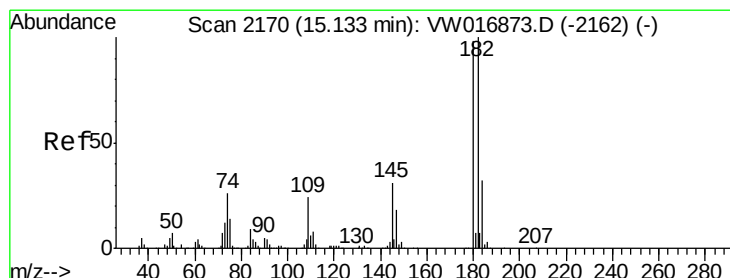
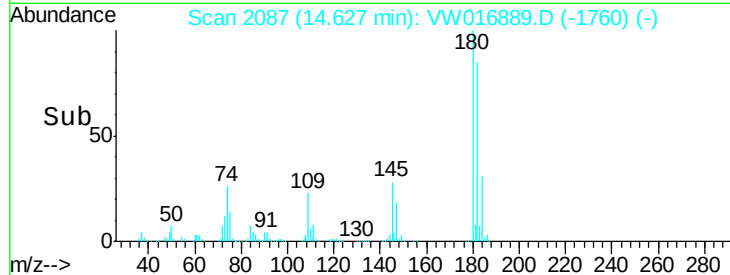
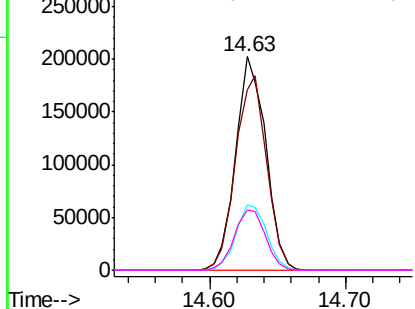
#67
 1,3,5-Trichlorobenzene
 Concen: 27.895 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.01 min
 Lab File: VW016889.D
 Acq: 13 Oct 2020 09:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

Tot Ion:180	Resp:	312671
Ion	Ratio	Lower Upper
180	100	
182	93.6	79.0 118.6
184	31.4	24.9 37.3
145	29.4	23.0 34.4

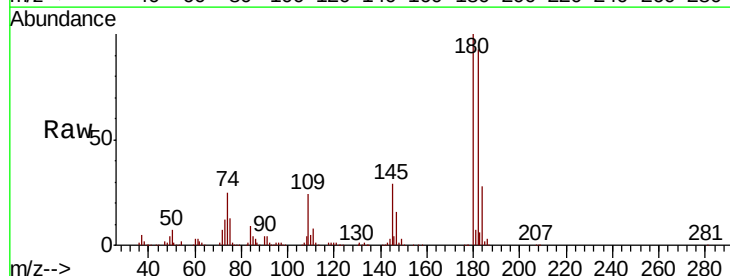


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

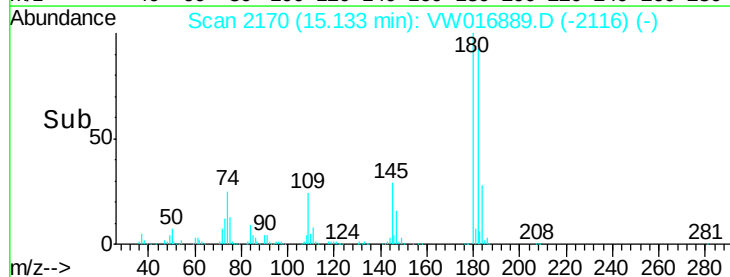
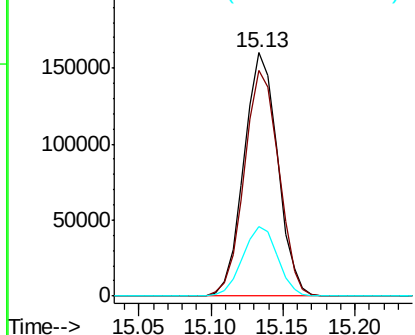


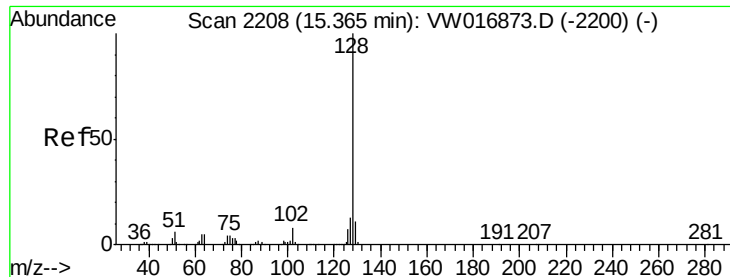
#68
 1,2,4-trichlorobenzene
 Concen: 28.235 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW016889.D
 Acq: 13 Oct 2020 09:28

Tgt Ion:180	Resp:	259946
Ion	Ratio	Lower Upper
180	100	
182	94.6	74.2 111.2
145	29.5	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: 29.317 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW016889.D

Acq: 13 Oct 2020 09:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD02530

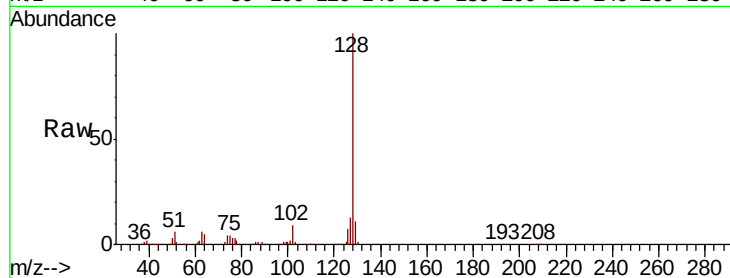
Tot Ion:128 Resp: 446947

Ion Ratio Lower Upper

128 100

129 11.0 8.7 13.1

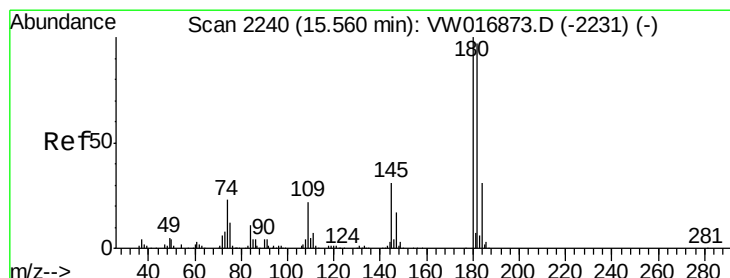
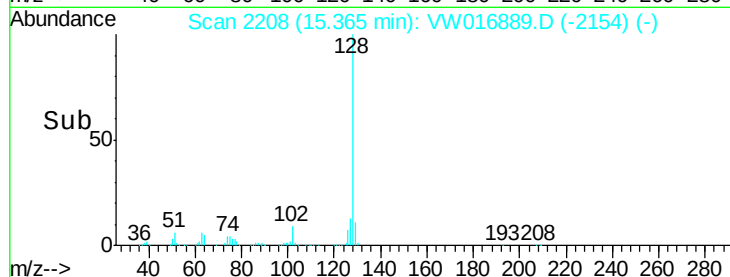
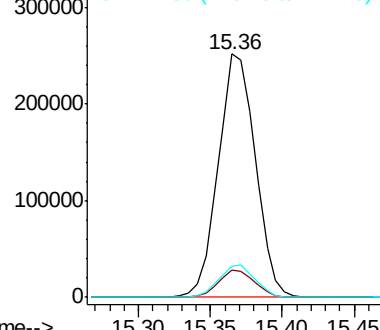
127 13.0 10.1 15.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 29.588 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW016889.D

Acq: 13 Oct 2020 09:28

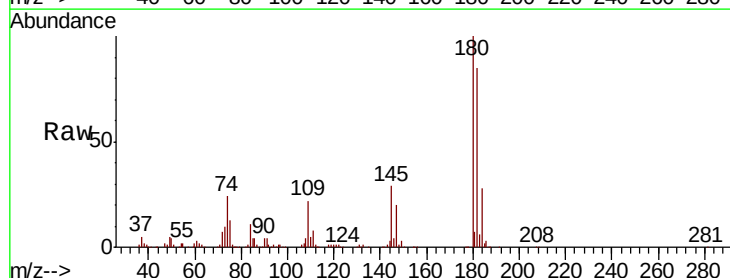
Tgt Ion:180 Resp: 234075

Ion Ratio Lower Upper

180 100

182 90.0 74.1 111.1

145 30.0 24.8 37.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

