

Data File : VW014888.D
Acq On : 06 Feb 2020 09:31
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: Feb 07 05:55:39 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM020520S.M
Quant Title : VOC Analysis
QLast Update : Thu Feb 06 15:16:22 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	747628	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	694577	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	320664	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	322506	26.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	104.24%
7) Chloroethane-d5	2.89	69	259874	26.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	104.92%
10) 1,1-Dichloroethene-d2	4.03	63	584115	25.83	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	103.32%
20) 2-Butanone-d5	7.07	46	164260	47.29	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.58%
24) Chloroform-d	7.65	84	537233	25.31	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.24%
26) 1,2-Dichloroethane-d4	8.31	65	302307	25.73	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.92%
29) Benzene-d6	8.27	84	1074188	24.05	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.20%
33) 1,2-Dichloropropane-d6	9.27	67	354546	24.36	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.44%
37) Toluene-d8	10.32	98	938279	23.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.48%
38) trans-1,3-Dichloropropene-	10.57	79	134552	23.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.64%
39) 2-Hexanone-d5	10.92	63	125997	47.49	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.98%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	272069	24.82	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	99.28%
61) 1,2-Dichlorobenzene-d4	13.85	152	286360	23.03	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.12%

Target Compounds

						Qvalue
3) Chloromethane	2.21	50	326297	28.016	ug/L	100
5) Vinyl chloride	2.37	62	443096	29.137	ug/L	99
6) Bromomethane	2.78	94	214036	28.147	ug/L	98
8) Chloroethane	2.93	64	245742	29.535	ug/L	98
9) Trichlorofluoromethane	3.26	101	188236	30.621	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	310977	28.658	ug/L	97
12) 1,1-Dichloroethene	4.04	96	294193	27.740	ug/L	96
13) Acetone	4.12	43	192213	53.610	ug/L	96
14) Carbon disulfide	4.39	76	908474	28.530	ug/L	99
15) Methyl Acetate	4.67	43	167332	28.361	ug/L	97
16) Methylene chloride	4.92	84	319567	23.462	ug/L	93
17) Methyl tert-butyl Ether	5.43	73	354619	25.595	ug/L	98
18) trans-1,2-Dichloroethene	5.42	96	292380	27.209	ug/L	95
19) 1,1-Dichloroethane	6.21	63	615126	28.256	ug/L	99
21) 2-Butanone	7.17	43	223502	53.243	ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	308833	26.572	ug/L	96
23) Bromochloromethane	7.51	128	128891	27.029	ug/L	94

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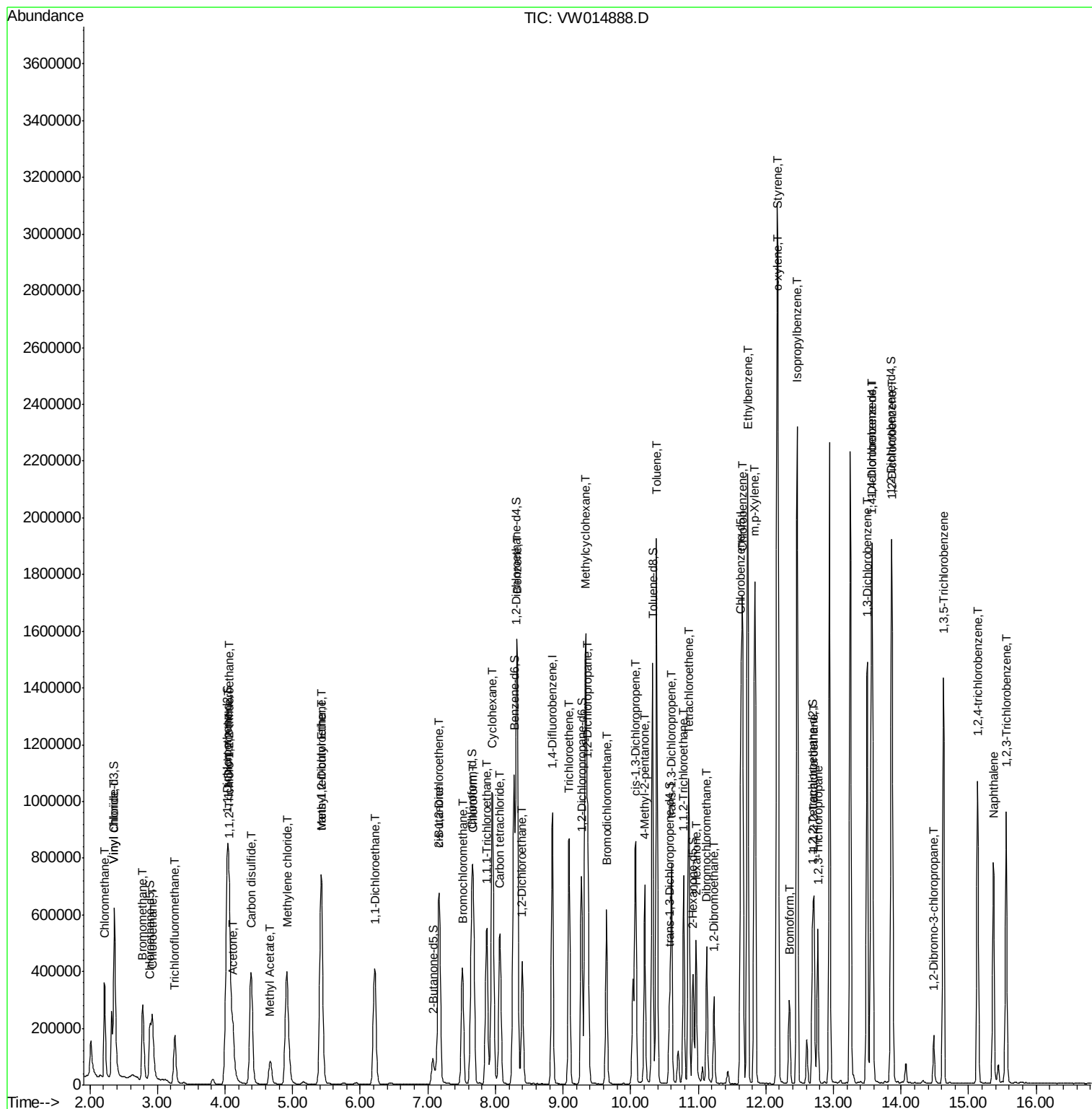
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	7.68	83	574278	28.718	ug/L	100
27) 1,2-Dichloroethane	8.40	62	396556	28.763	ug/L	99
30) Cyclohexane	7.96	56	580220	28.036	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	438806	27.707	ug/L	98
32) Carbon tetrachloride	8.07	117	398679	28.004	ug/L	100
34) Benzene	8.32	78	1329816	27.842	ug/L	100
35) Trichloroethene	9.09	95	314187	26.538	ug/L	99
36) Methylcyclohexane	9.34	83	575008	27.881	ug/L	97
40) 1,2-Dichloropropane	9.37	63	358814	28.073	ug/L	100
41) Bromodichloromethane	9.64	83	408338	27.876	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	488949	26.940	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	465287	55.516	ug/L	98
44) Toluene	10.38	91	1355957	27.965	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	402085	27.511	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	230753	27.424	ug/L	98
47) Tetrachloroethene	10.86	164	227657	26.170	ug/L	93
49) 2-Hexanone	10.97	43	338876	57.563	ug/L	97
50) Dibromochloromethane	11.13	129	243426	26.918	ug/L	98
51) 1,2-Dibromoethane	11.23	107	208077	26.578	ug/L	99
52) Chlorobenzene	11.66	112	794229	26.791	ug/L	98
53) Ethylbenzene	11.73	91	1480246	27.905	ug/L	98
54) m,p-Xylene	11.84	106	542018	27.974	ug/L	98
55) o-xylene	12.16	106	510910	27.706	ug/L	96
56) Styrene	12.18	104	891397	28.601	ug/L	96
57) Isopropylbenzene	12.46	105	1388347	28.034	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	293455	27.942	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	219858	27.825	ug/L	99
62) Bromoform	12.35	173	129090	26.408	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	573808	26.491	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	591085	27.090	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	533977	26.952	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	45311	26.823	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	416277	26.833	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	320278	26.130	ug/L	100
69) Naphthalene	15.36	128	628962	26.087	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	306983	27.125	ug/L	99

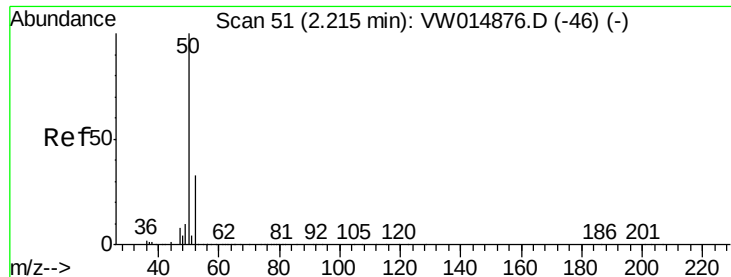
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 28.016 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW014888.D

Acq: 06 Feb 2020 09:31

Instrument :

MSVOA_W

ClientSampleId :

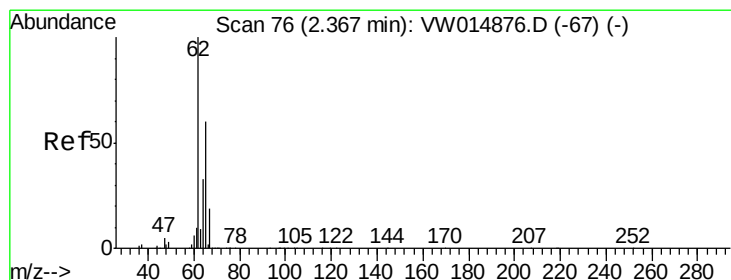
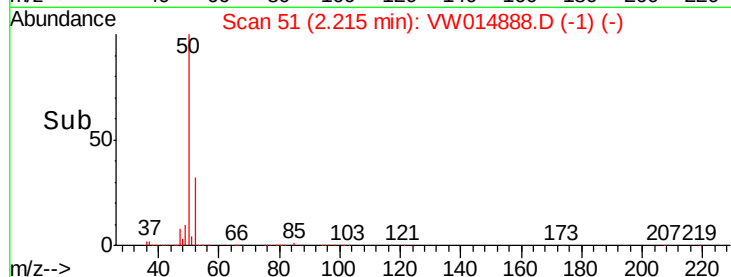
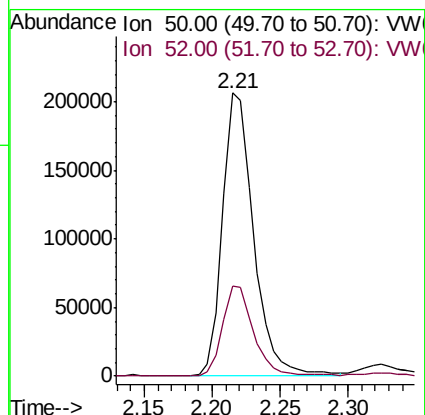
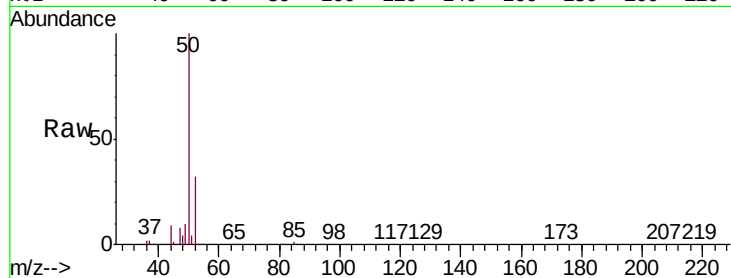
VSTD02515

Tgt Ion: 50 Resp: 326297

Ion Ratio Lower Upper

50 100

52 31.7 22.1 41.1



#5

Vinyl chloride

Concen: 29.137 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW014888.D

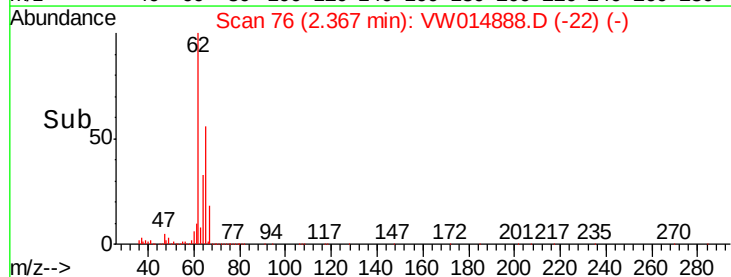
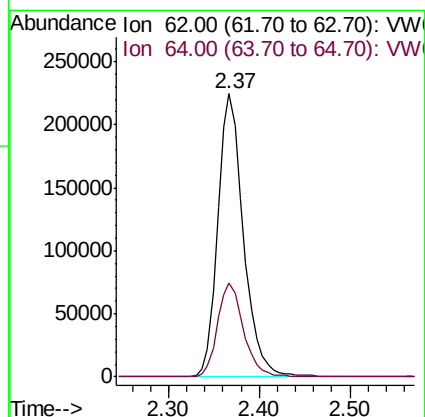
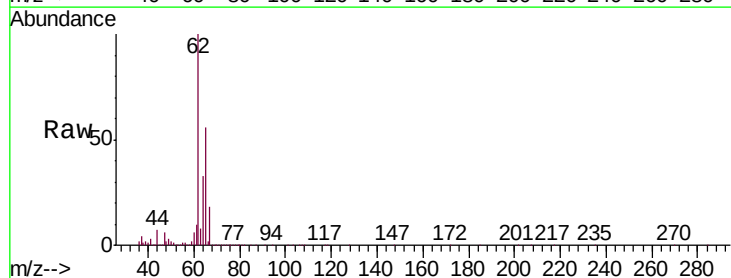
Acq: 06 Feb 2020 09:31

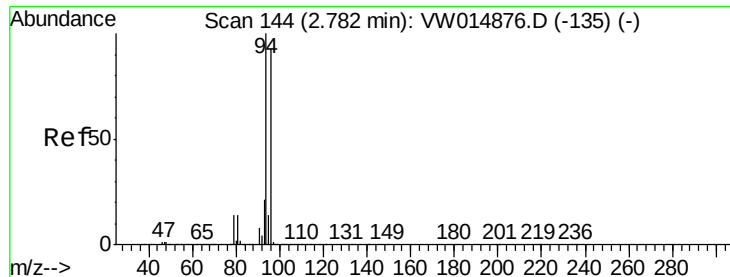
Tgt Ion: 62 Resp: 443096

Ion Ratio Lower Upper

62 100

64 33.0 22.5 41.9





#6

Bromomethane

Concen: 28.147 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW014888.D

Acq: 06 Feb 2020 09:31

Instrument :

MSVOA_W

ClientSampleId :

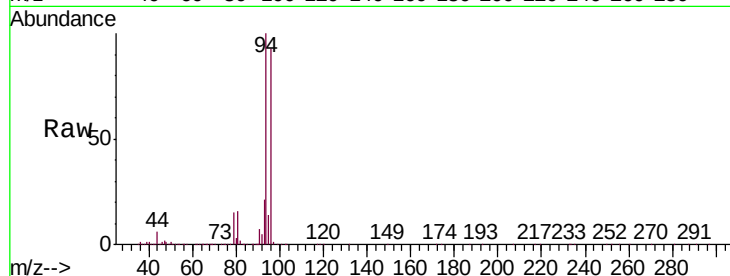
VSTD02515

Tgt Ion: 94 Resp: 214036

Ion Ratio Lower Upper

94 100

96 92.2 9.4 178.0



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW

2.78

100000

80000

60000

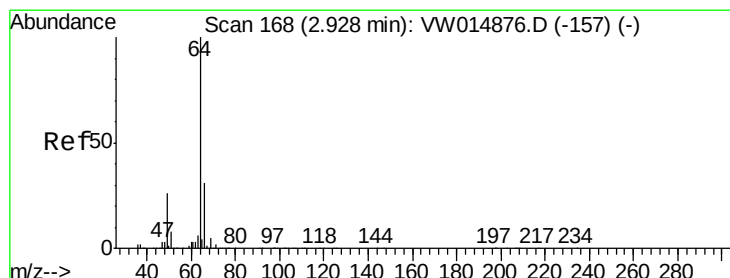
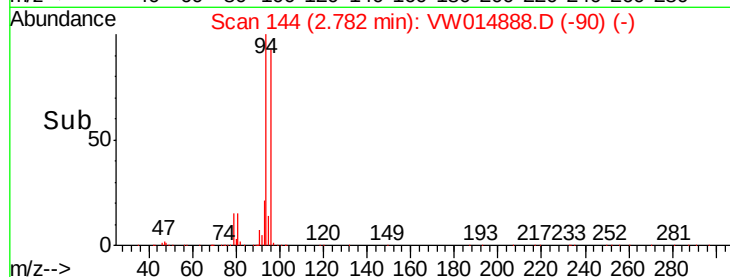
40000

20000

0

Time-->

2.70 2.80 2.90



#8

Chloroethane

Concen: 29.535 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW014888.D

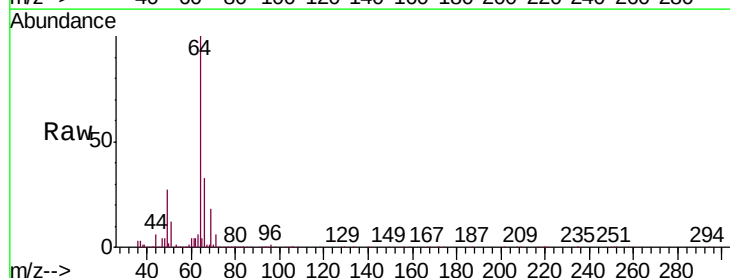
Acq: 06 Feb 2020 09:31

Tgt Ion: 64 Resp: 245742

Ion Ratio Lower Upper

64 100

66 32.6 21.9 40.7



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW

2.93

100000

80000

60000

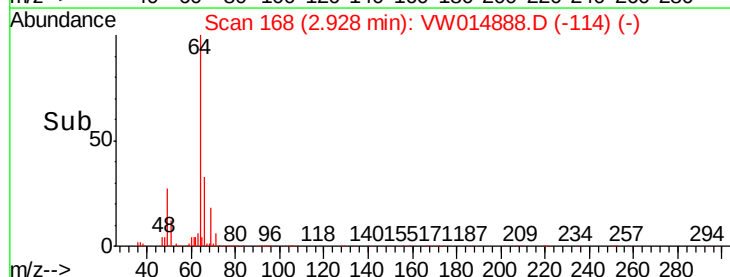
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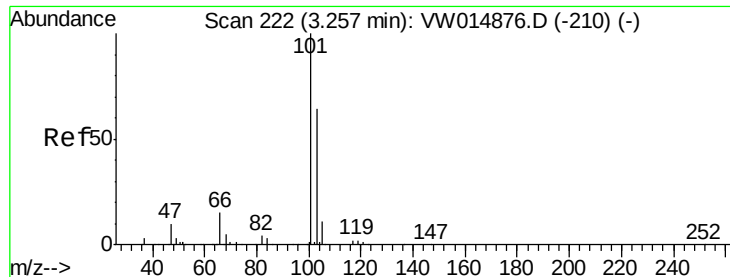
20000

0

Time-->

2.80 2.90 3.00 3.10



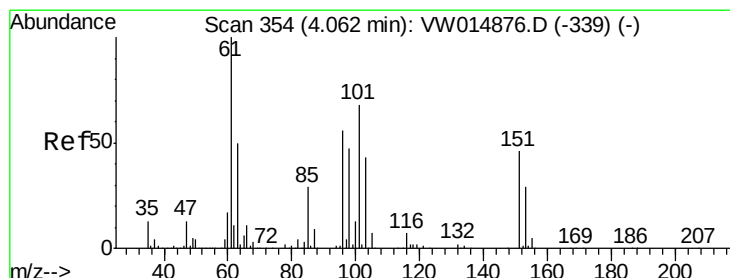
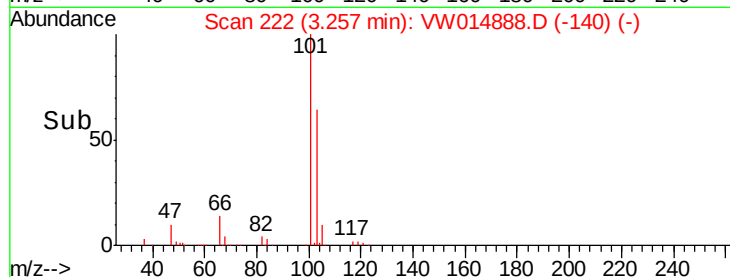
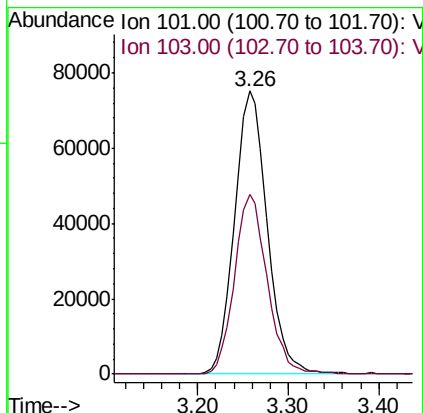
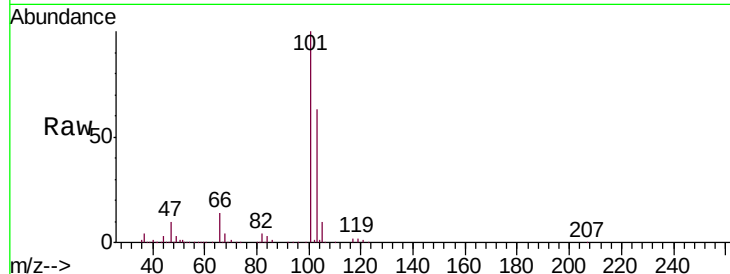


#9

Trichlorofluoromethane
 Concen: 30.621 ug/L
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW014888.D
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Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02515

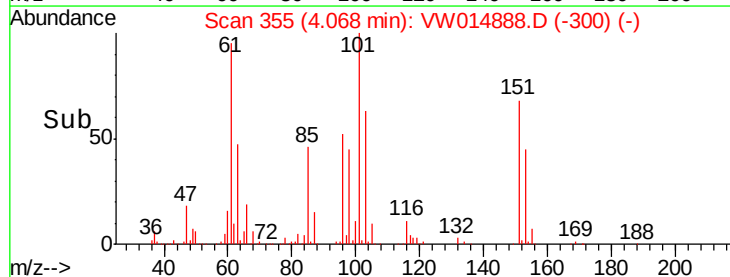
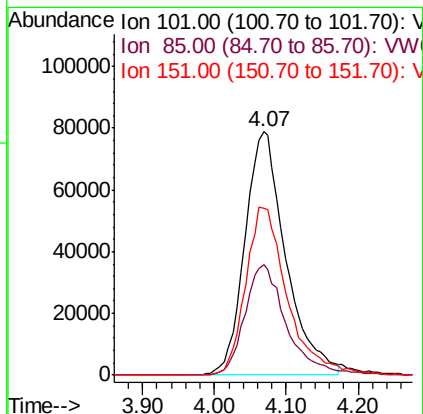
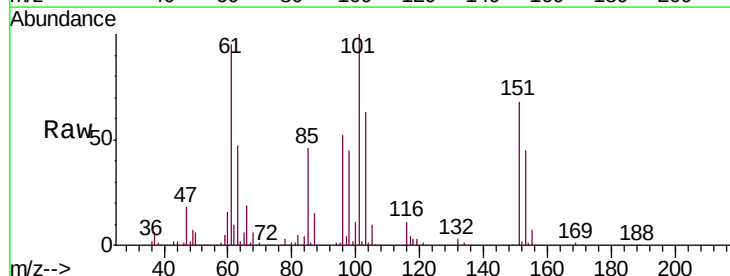
Tgt Ion:101 Resp: 188236
 Ion Ratio Lower Upper
 101 100
 103 63.5 45.8 85.0

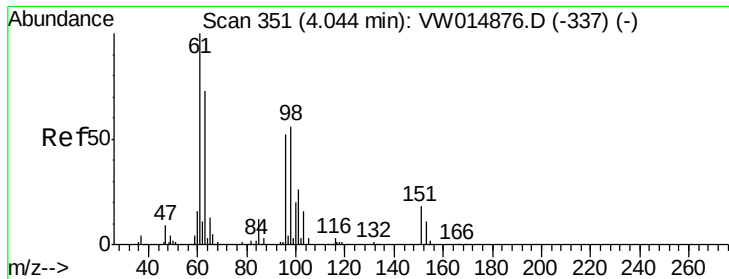


#11

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 28.658 ug/L
 RT: 4.07 min Scan# 355
 Delta R.T. 0.01 min
 Lab File: VW014888.D
 Acq: 06 Feb 2020 09:31

Tgt Ion:101 Resp: 310977
 Ion Ratio Lower Upper
 101 100
 85 46.0 34.8 52.2
 151 69.1 56.3 84.5

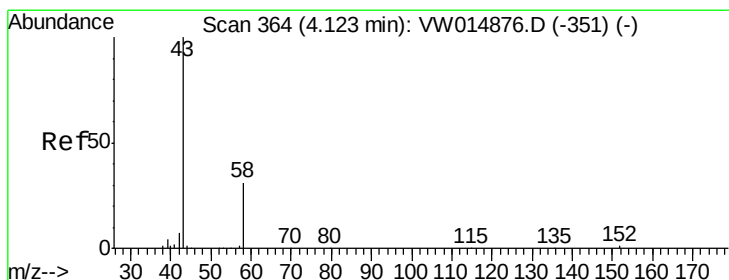
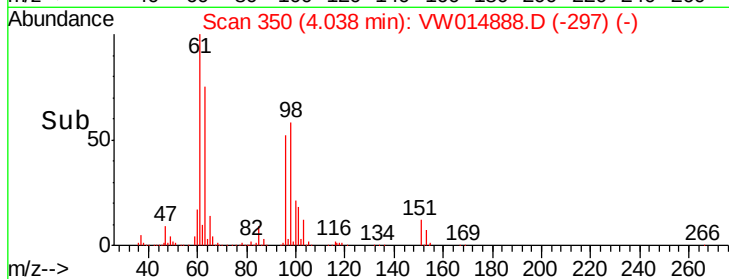
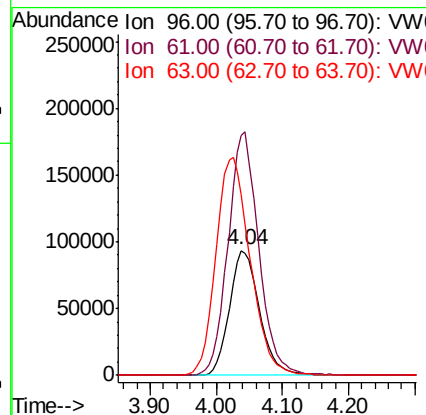
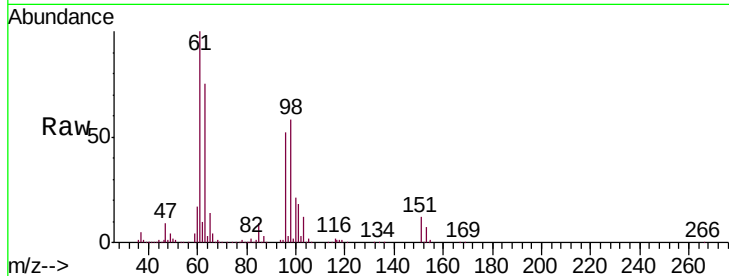




#12
 1,1-Dichloroethene
 Concen: 27.740 ug/L
 RT: 4.04 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VW014888.D
 Acq: 06 Feb 2020 09:31

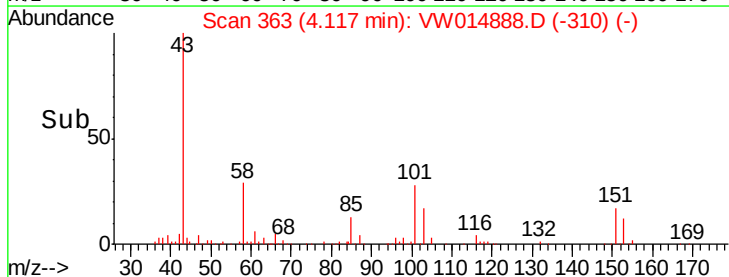
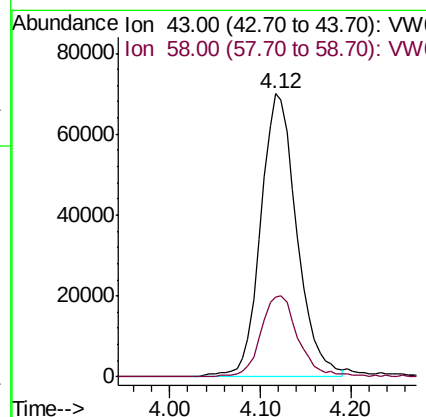
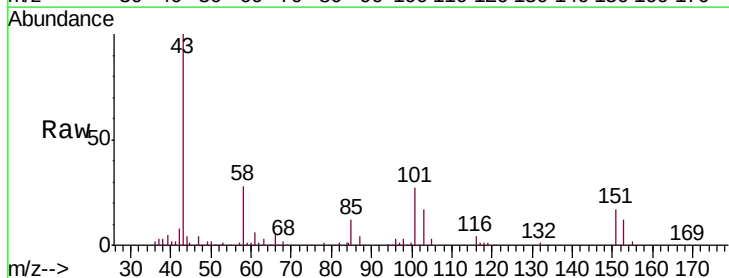
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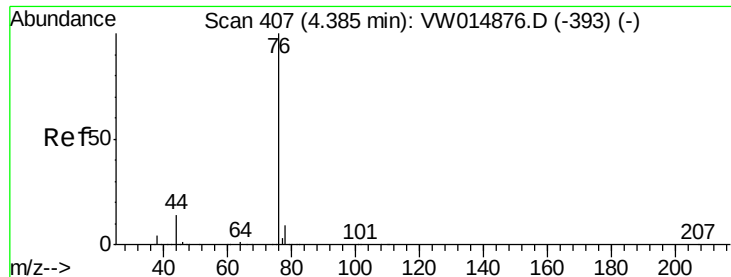
Tgt Ion: 96 Resp: 294193
 Ion Ratio Lower Upper
 96 100
 61 192.5 134.7 250.1
 63 144.8 110.2 204.8



#13
 Acetone
 Concen: 53.610 ug/L
 RT: 4.12 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VW014888.D
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Tgt Ion: 43 Resp: 192213
 Ion Ratio Lower Upper
 43 100
 58 27.9 0.0 60.4





#14

Carbon disulfide

Concen: 28.530 ug/L

RT: 4.39 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW014888.D

Acq: 06 Feb 2020 09:31

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ClientSampleId :

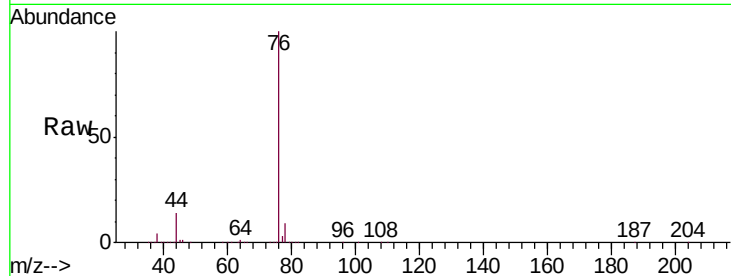
VSTD02515

Tgt Ion: 76 Resp: 908474

Ion Ratio Lower Upper

76 100

78 8.6 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

4.39

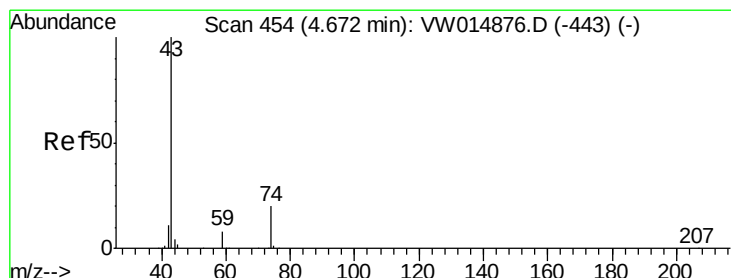
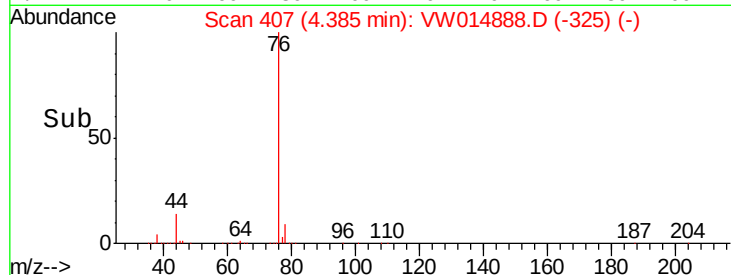
300000

200000

100000

0

Time--> 4.20 4.30 4.40 4.50



#15

Methyl Acetate

Concen: 28.361 ug/L

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW014888.D

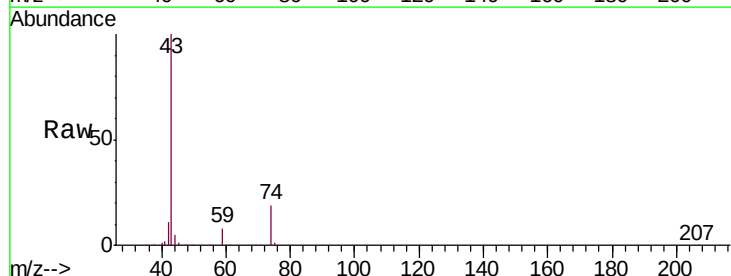
Acq: 06 Feb 2020 09:31

Tgt Ion: 43 Resp: 167332

Ion Ratio Lower Upper

43 100

74 19.4 16.5 24.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

60000

50000

40000

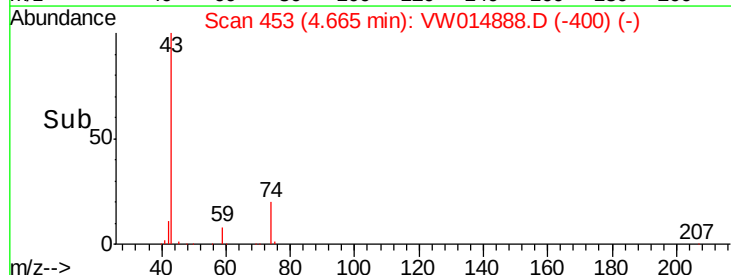
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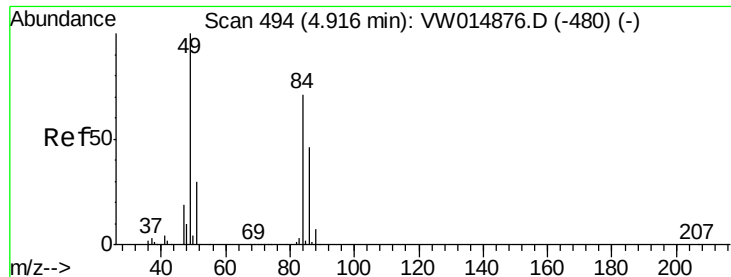
20000

10000

0

Time--> 4.60 4.70 4.80

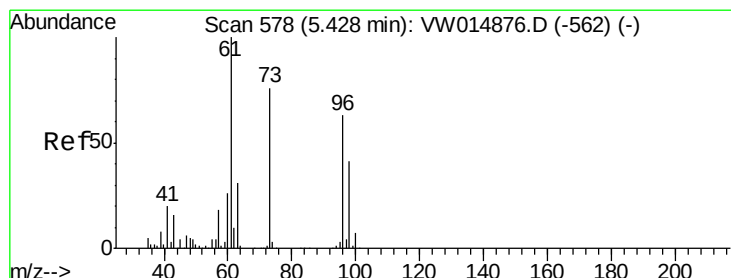
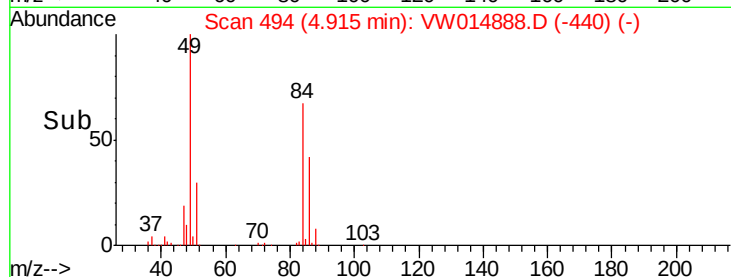
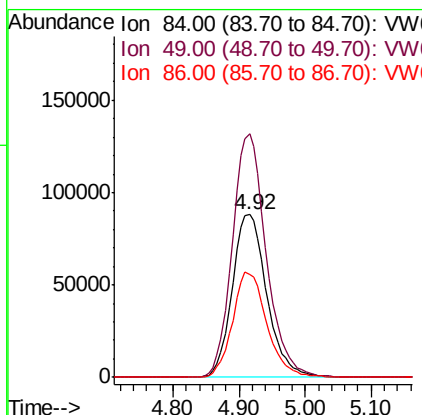
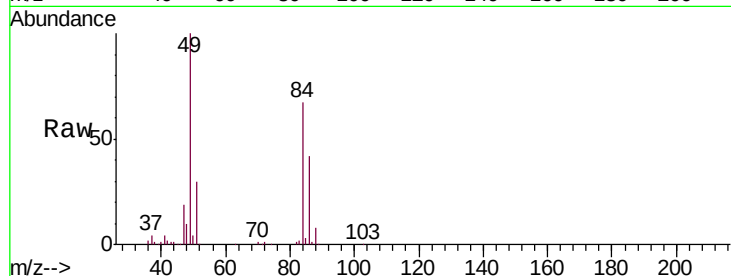




#16
Methylene chloride
Concen: 23.462 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW014888.D
Acq: 06 Feb 2020 09:31

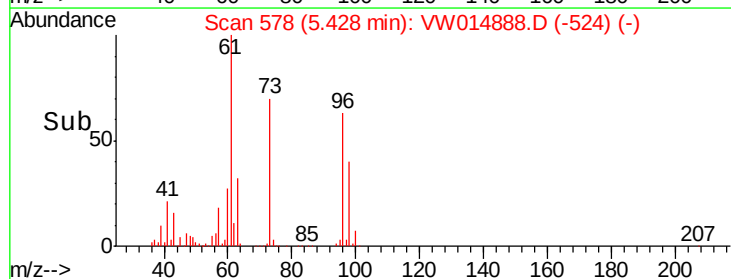
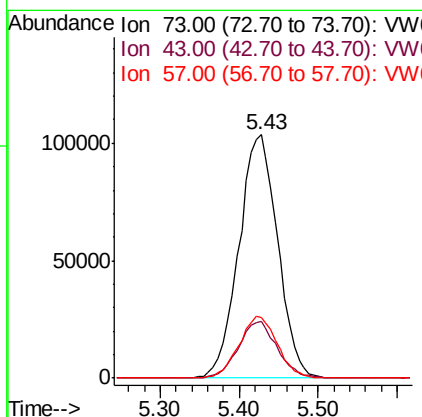
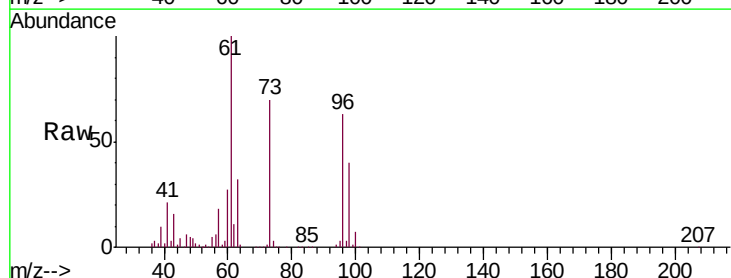
Instrument :
MSVOA_W
ClientSampleId :
VSTD02515

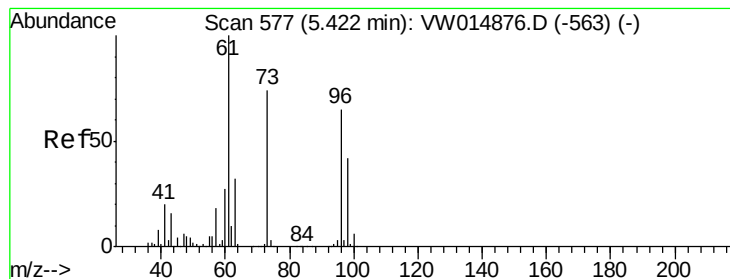
Tgt Ion: 84 Resp: 319567
Ion Ratio Lower Upper
84 100
49 149.7 95.8 177.8
86 63.3 44.2 82.2



#17
Methyl tert-butyl Ether
Concen: 25.595 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW014888.D
Acq: 06 Feb 2020 09:31

Tgt Ion: 73 Resp: 354619
Ion Ratio Lower Upper
73 100
43 23.3 17.5 26.3
57 25.0 19.4 29.0





#18

trans-1,2-Dichloroethene

Concen: 27.209 ug/L

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW014888.D

Acq: 06 Feb 2020 09:31

Instrument :

MSVOA_W

ClientSampleId :

VSTD02515

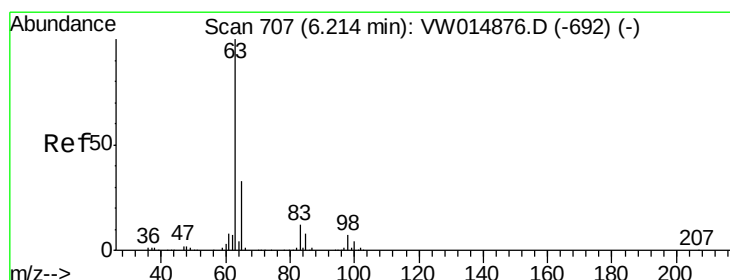
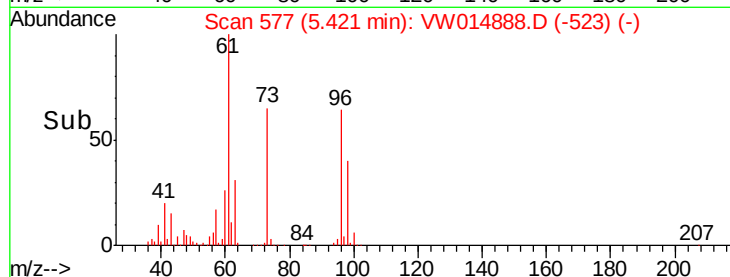
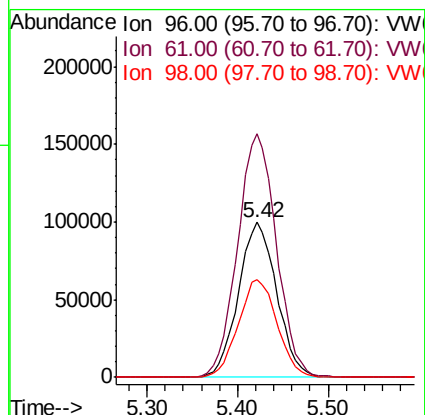
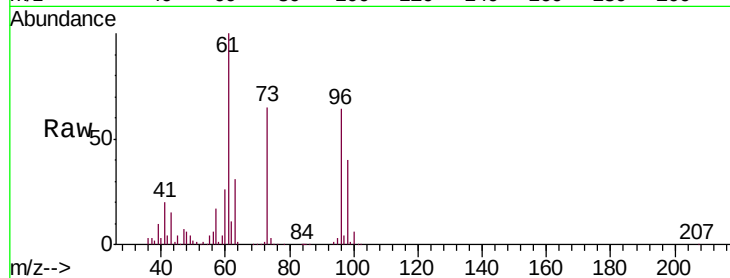
Tgt Ion: 96 Resp: 292380

Ion Ratio Lower Upper

96 100

61 157.2 104.4 194.0

98 62.7 43.8 81.3



#19

1,1-Dichloroethane

Concen: 28.256 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW014888.D

Acq: 06 Feb 2020 09:31

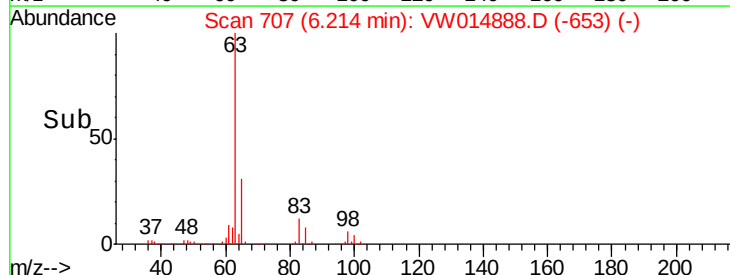
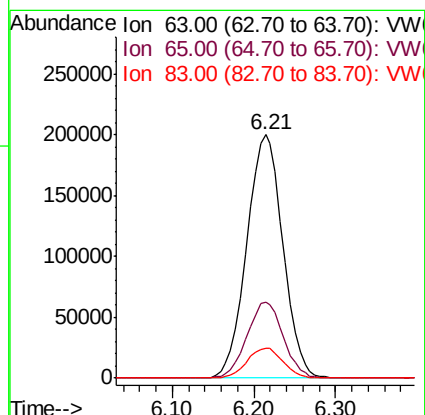
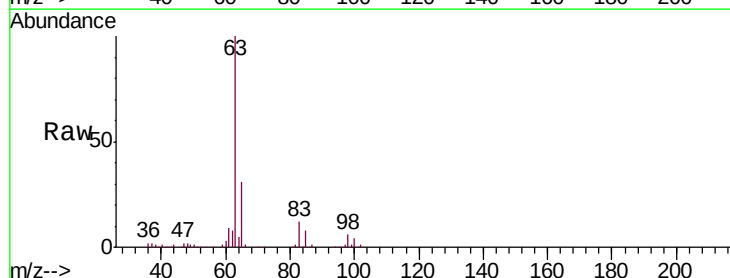
Tgt Ion: 63 Resp: 615126

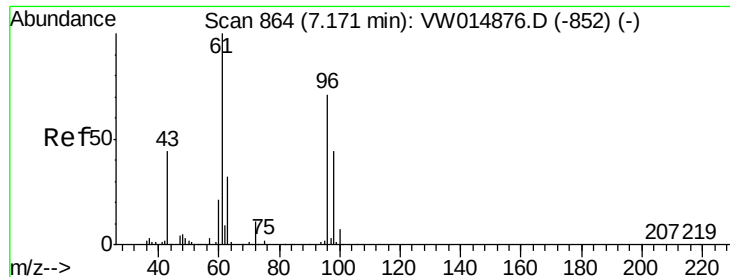
Ion Ratio Lower Upper

63 100

65 31.2 21.5 39.9

83 12.5 8.8 16.3





#21

2-Butanone

Concen: 53.243 ug/L

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW014888.D

Acq: 06 Feb 2020 09:31

Instrument :

MSVOA_W

ClientSampleId :

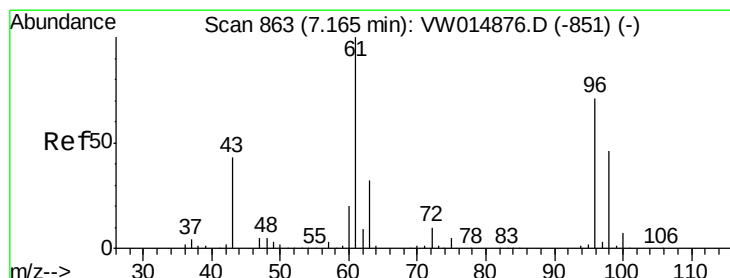
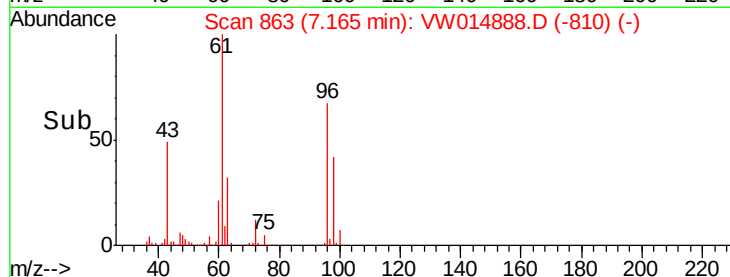
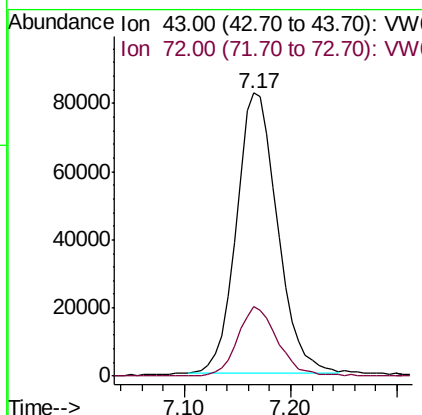
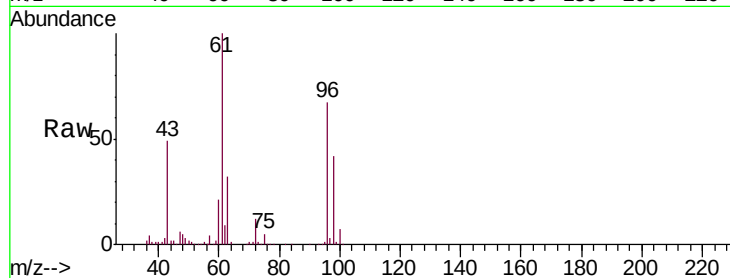
VSTD02515

Tgt Ion: 43 Resp: 223502

Ion Ratio Lower Upper

43 100

72 23.9 11.9 35.5



#22

cis-1,2-Dichloroethene

Concen: 26.572 ug/L

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW014888.D

Acq: 06 Feb 2020 09:31

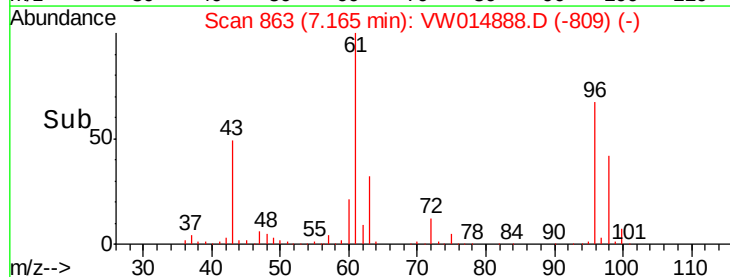
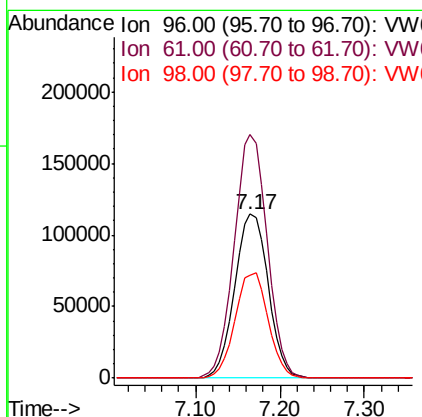
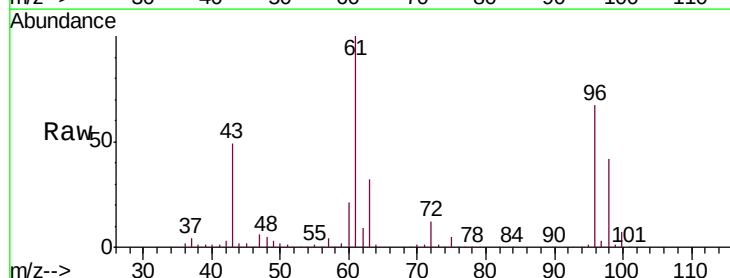
Tgt Ion: 96 Resp: 308833

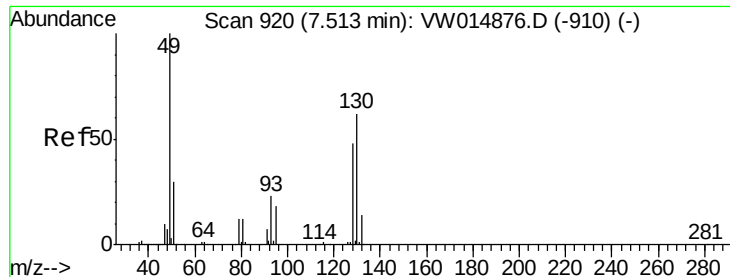
Ion Ratio Lower Upper

96 100

61 148.5 98.6 183.0

98 62.9 44.2 82.2

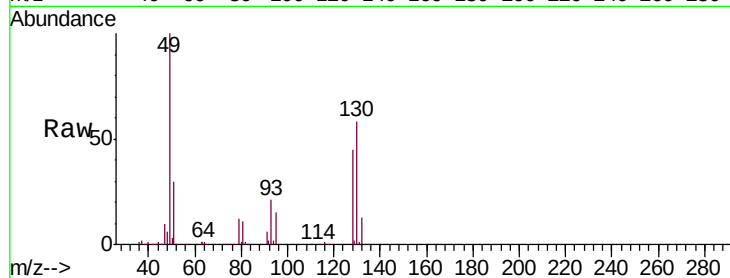




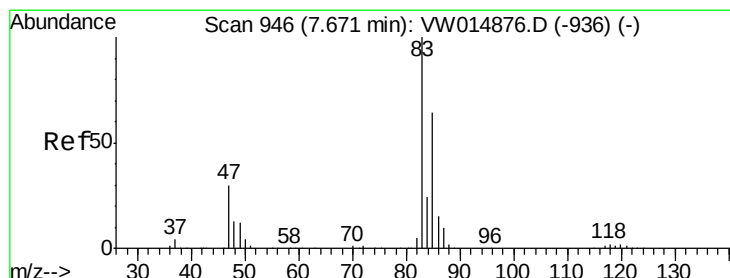
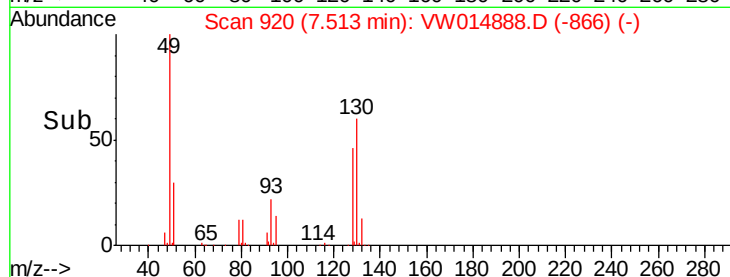
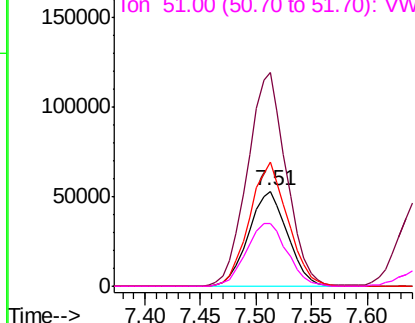
#23
Bromochloromethane
Concen: 27.029 ug/L
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW014888.D
Acq: 06 Feb 2020 09:31

Instrument :
MSVOA_W
ClientSampleId :
VSTD02515

Tgt Ion:	128	Resp:	128891
Ion	Ratio	Lower	Upper
128	100		
49	224.0	146.0	271.2
130	129.6	90.9	168.9
51	66.4	51.8	77.8

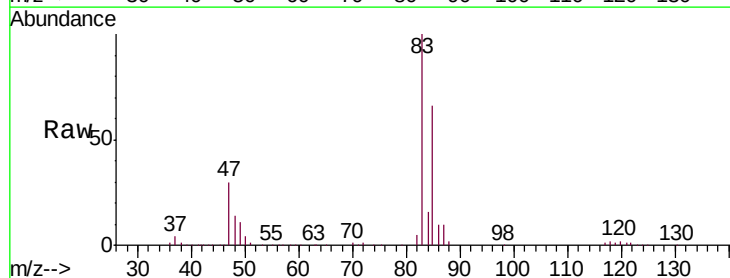


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VW
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VW

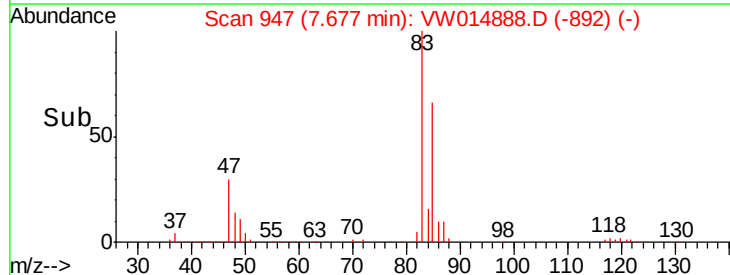
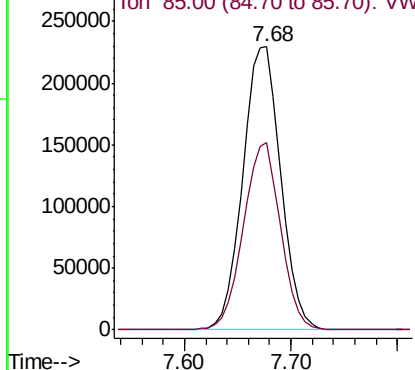


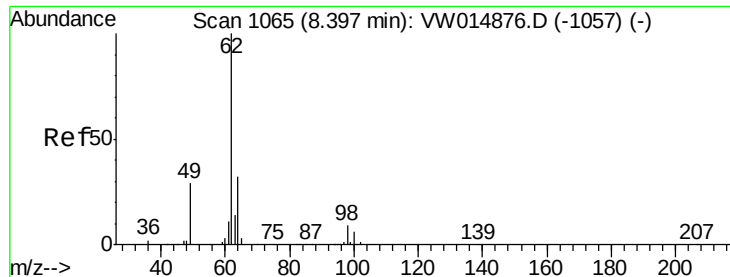
#25
Chloroform
Concen: 28.718 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW014888.D
Acq: 06 Feb 2020 09:31

Tgt Ion:	83	Resp:	574278
Ion	Ratio	Lower	Upper
83	100		
85	65.1	45.4	84.4



Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 85.00 (84.70 to 85.70): VW

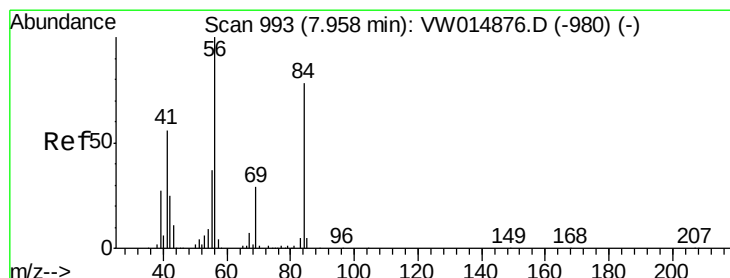
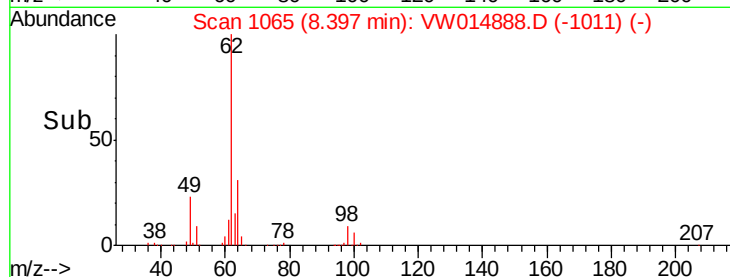
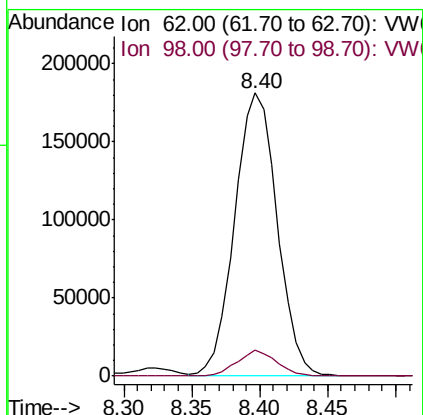
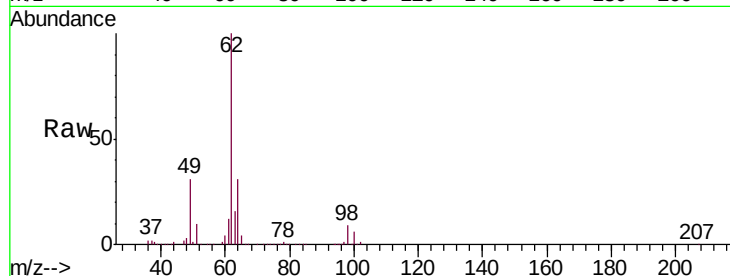




#27
 1,2-Dichloroethane
 Concen: 28.763 ug/L
 RT: 8.40 min Scan# 1065
 Delta R.T. -0.00 min
 Lab File: VW014888.D
 Acq: 06 Feb 2020 09:31

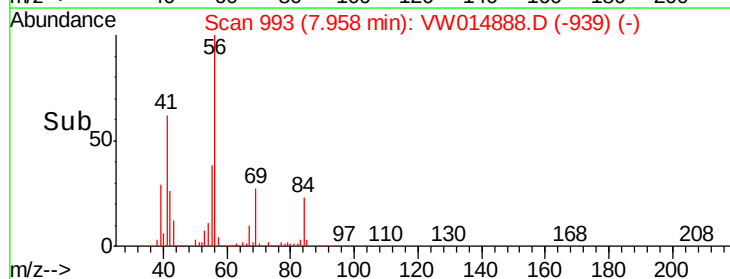
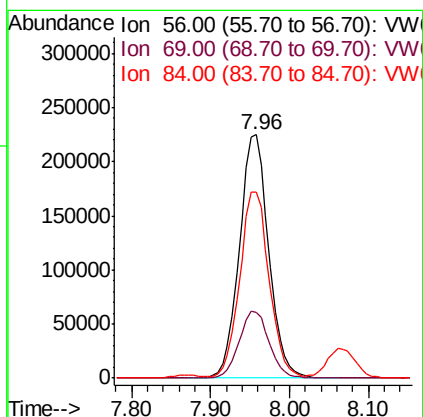
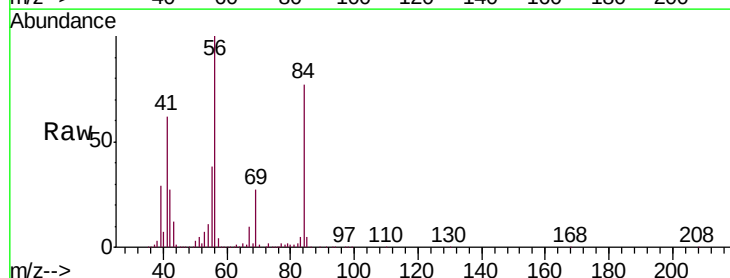
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02515

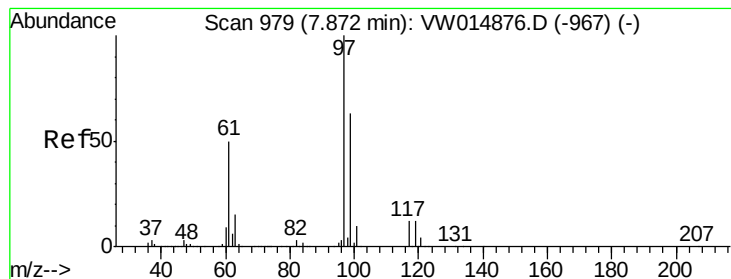
Tgt Ion: 62 Resp: 396556
 Ion Ratio Lower Upper
 62 100
 98 9.3 7.2 10.8



#30
 Cyclohexane
 Concen: 28.036 ug/L
 RT: 7.96 min Scan# 993
 Delta R.T. -0.00 min
 Lab File: VW014888.D
 Acq: 06 Feb 2020 09:31

Tgt Ion: 56 Resp: 580220
 Ion Ratio Lower Upper
 56 100
 69 28.2 22.9 34.3
 84 77.4 63.8 95.6





#31

1,1,1-Trichloroethane

Concen: 27.707 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW014888.D

Acq: 06 Feb 2020 09:31

Instrument :

MSVOA_W

ClientSampleId :

VSTD02515

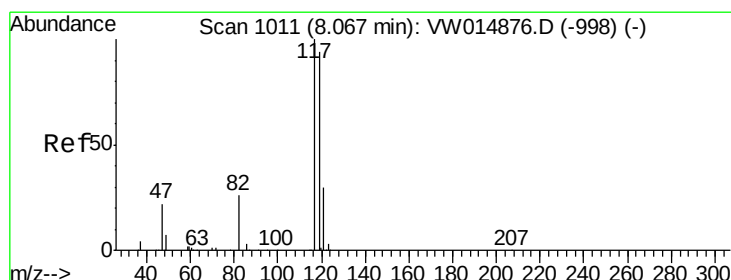
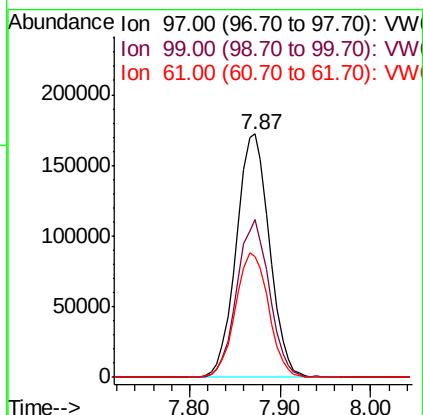
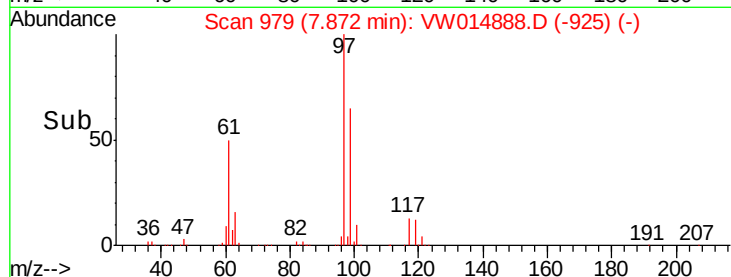
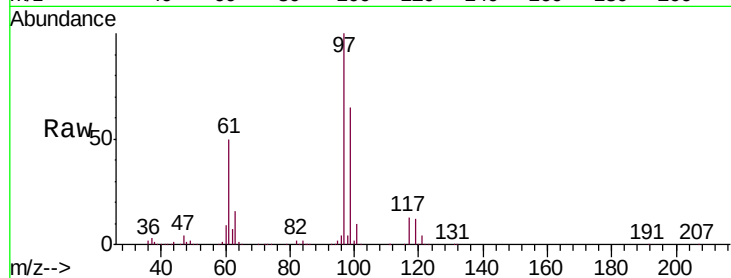
Tgt Ion: 97 Resp: 438806

Ion Ratio Lower Upper

97 100

99 63.7 51.0 76.6

61 51.4 38.9 58.3



#32

Carbon tetrachloride

Concen: 28.004 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW014888.D

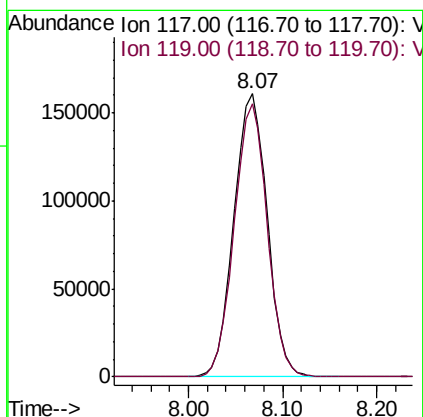
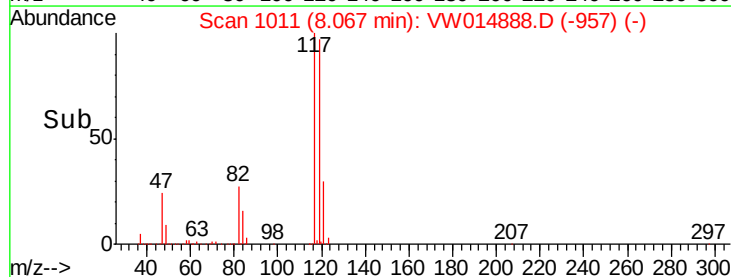
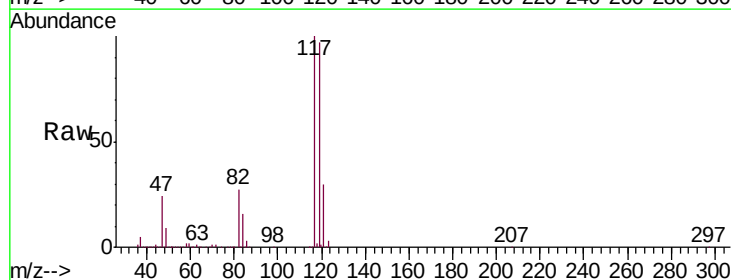
Acq: 06 Feb 2020 09:31

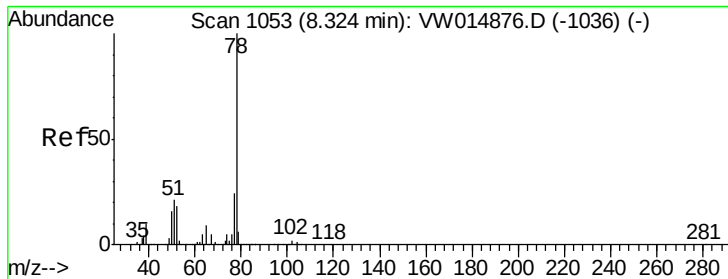
Tgt Ion: 117 Resp: 398679

Ion Ratio Lower Upper

117 100

119 95.5 76.3 114.5





#34

Benzene

Concen: 27.842 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW014888.D

Acq: 06 Feb 2020 09:31

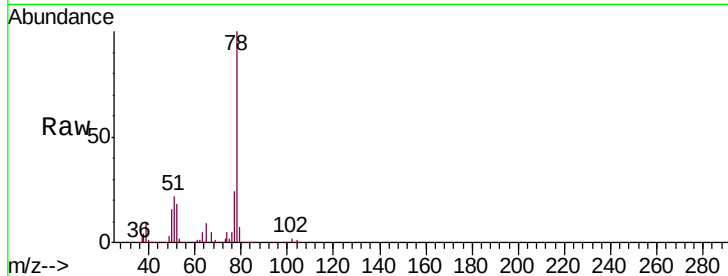
Instrument :

MSVOA_W

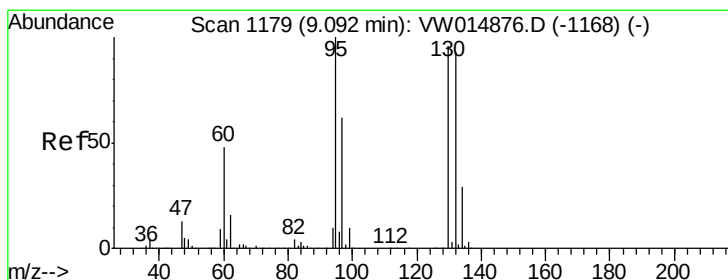
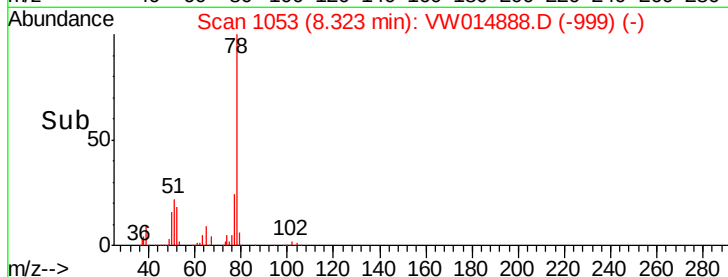
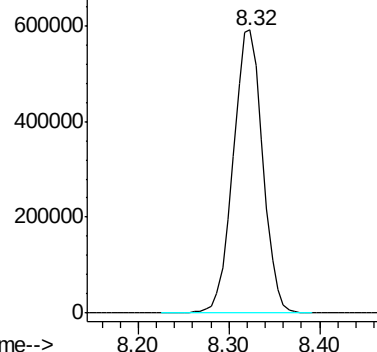
ClientSampleId :

VSTD02515

Tgt Ion: 78 Resp: 1329816



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 26.538 ug/L

RT: 9.09 min Scan# 1178

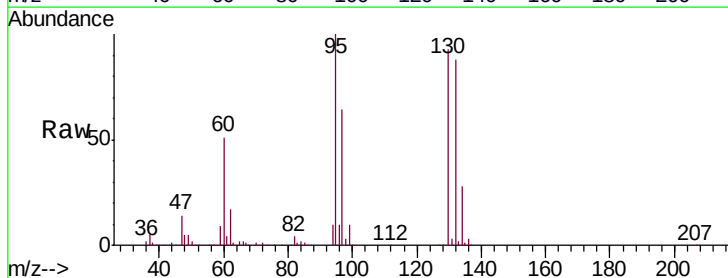
Delta R.T. -0.01 min

Lab File: VW014888.D

Acq: 06 Feb 2020 09:31

Tgt Ion: 95 Resp: 314187

Ion	Ratio	Lower	Upper
95	100		
97	64.0	44.4	82.5
132	89.7	63.6	118.0
130	94.7	67.3	124.9

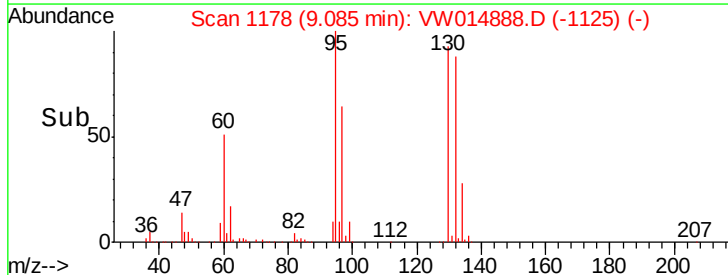
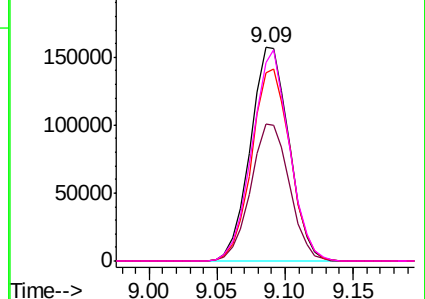


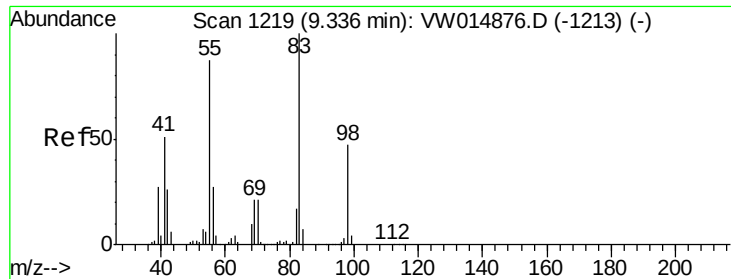
Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

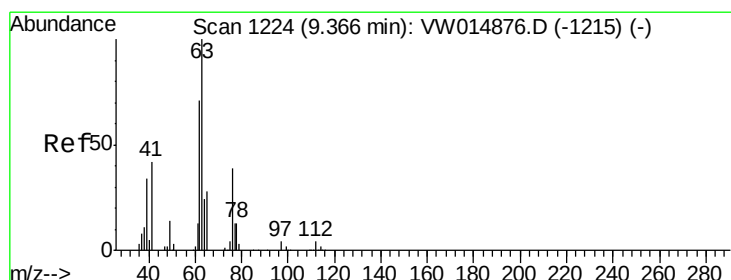
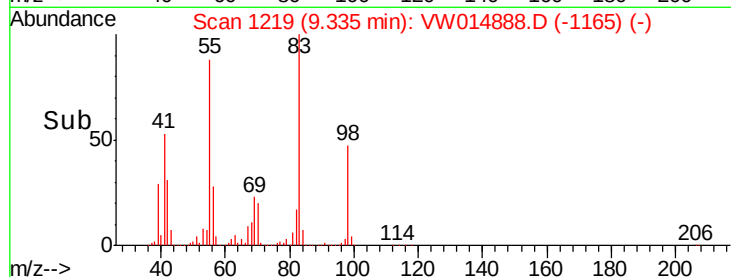
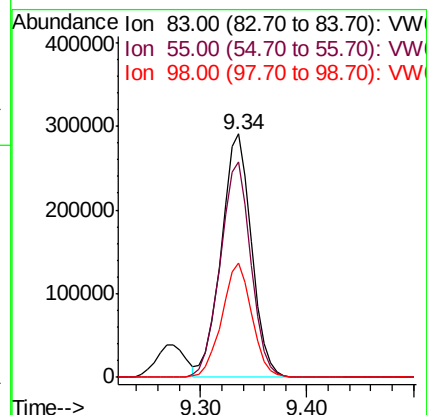
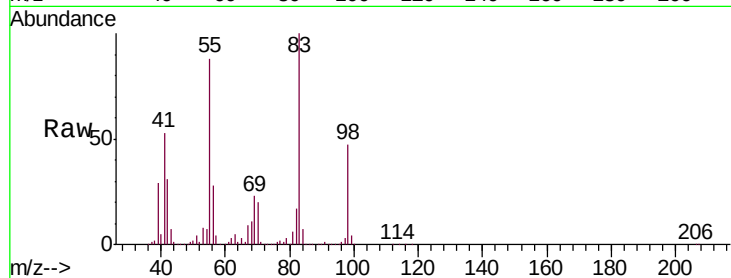




#36
Methylcyclohexane
Concen: 27.881 ug/L
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW014888.D
Acq: 06 Feb 2020 09:31

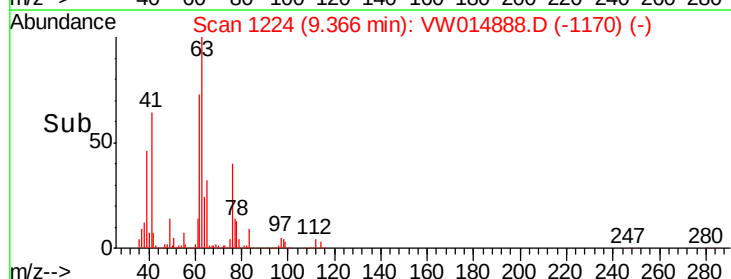
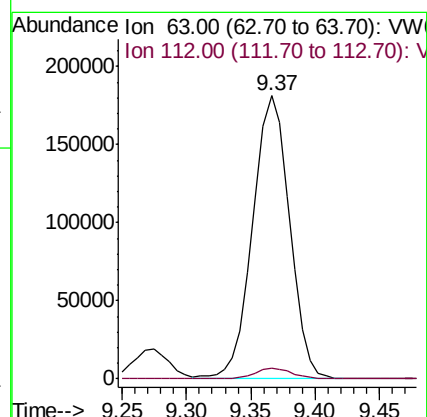
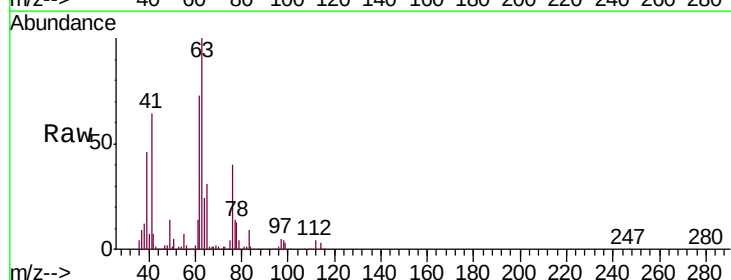
Instrument :
MSVOA_W
ClientSampleId :
VSTD02515

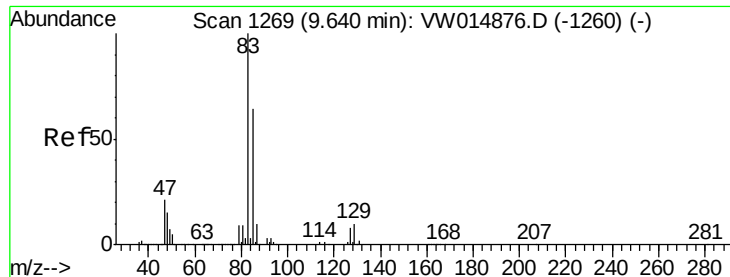
Tgt Ion: 83 Resp: 575008
Ion Ratio Lower Upper
83 100
55 89.3 68.0 102.0
98 46.3 37.8 56.6



#40
1,2-Dichloropropane
Concen: 28.073 ug/L
RT: 9.37 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VW014888.D
Acq: 06 Feb 2020 09:31

Tgt Ion: 63 Resp: 358814
Ion Ratio Lower Upper
63 100
112 3.9 3.1 4.7





#41

Bromodichloromethane

Concen: 27.876 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW014888.D

Acq: 06 Feb 2020 09:31

Instrument :

MSVOA_W

ClientSampled :

VSTD02515

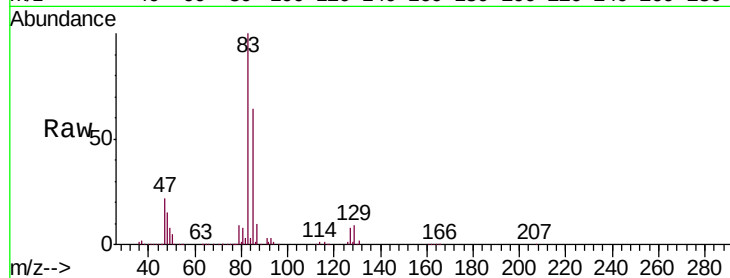
Tgt Ion: 83 Resp: 408338

Ion Ratio Lower Upper

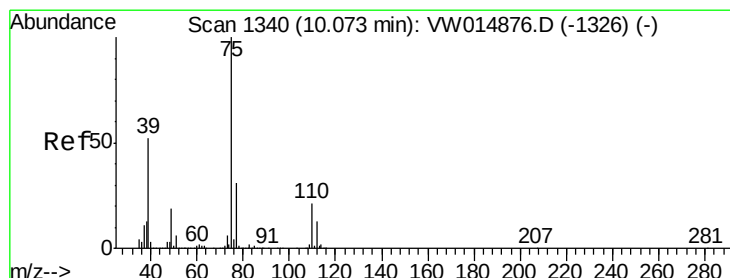
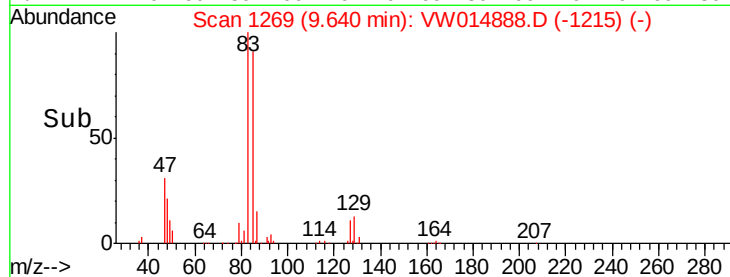
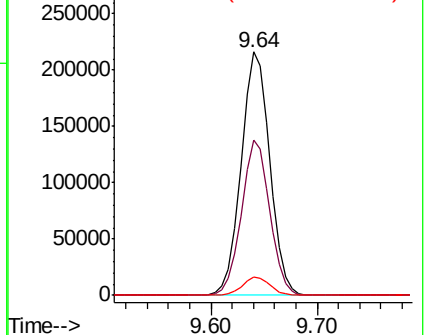
83 100

85 63.8 44.2 82.0

127 7.7 6.0 9.0



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: 26.940 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW014888.D

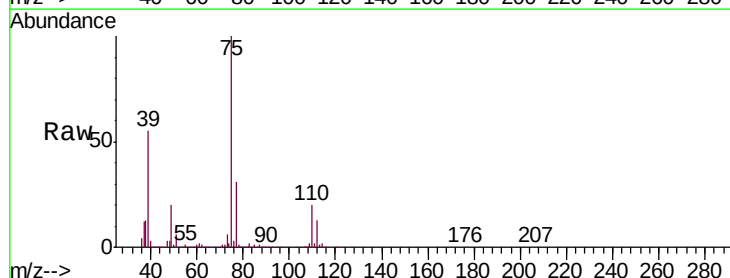
Acq: 06 Feb 2020 09:31

Tgt Ion: 75 Resp: 488949

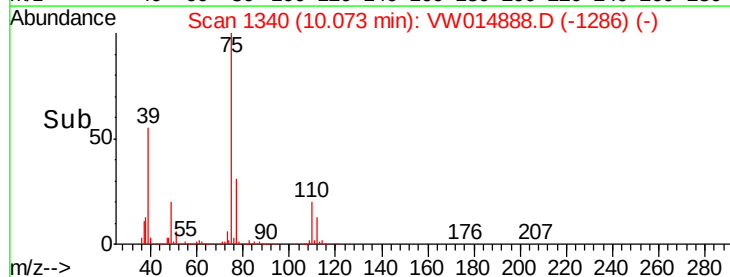
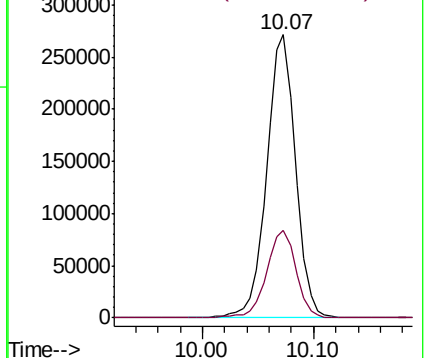
Ion Ratio Lower Upper

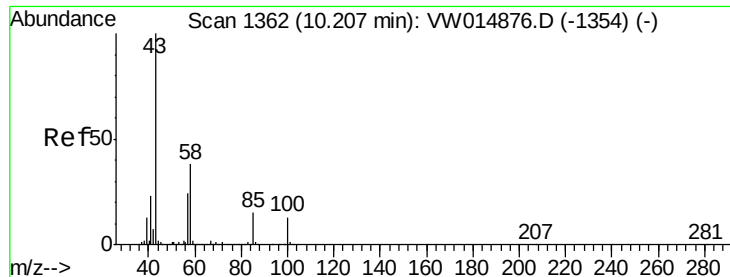
75 100

77 30.9 22.5 41.9



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: 55.516 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW014888.D

Acq: 06 Feb 2020 09:31

Instrument :

MSVOA_W

ClientSampleId :

VSTD02515

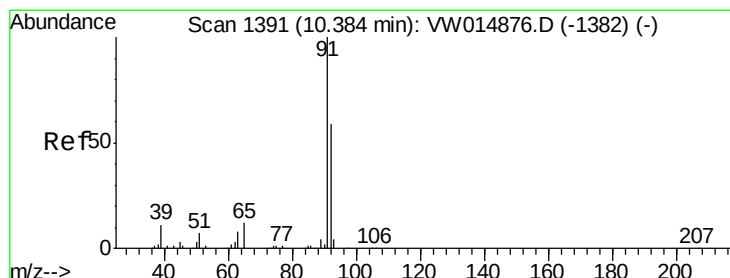
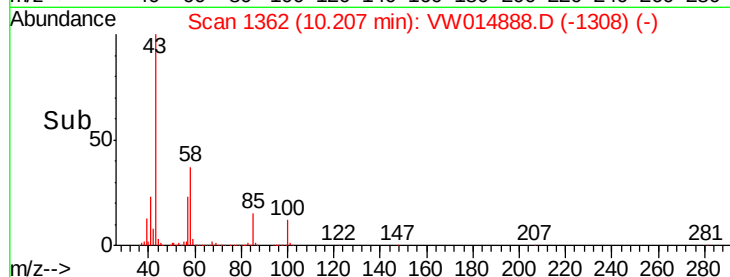
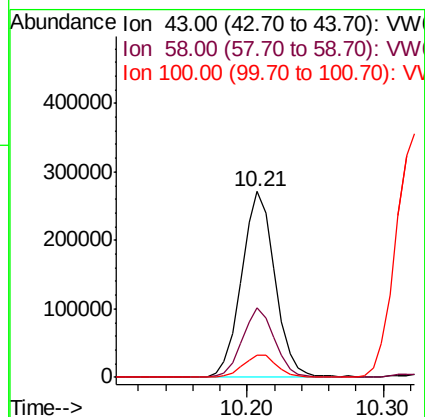
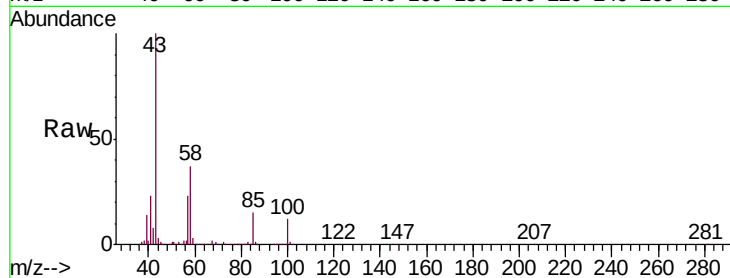
Tgt Ion: 43 Resp: 465287

Ion Ratio Lower Upper

43 100

58 36.3 30.0 45.0

100 12.5 10.6 15.8



#44

Toluene

Concen: 27.965 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW014888.D

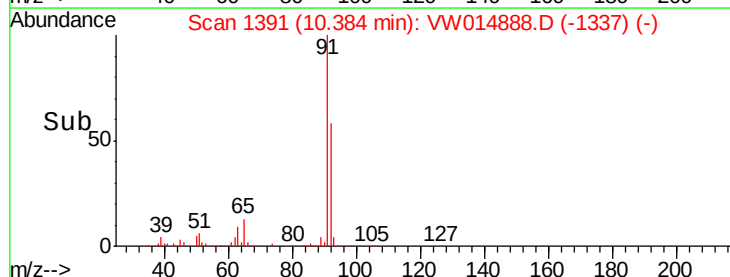
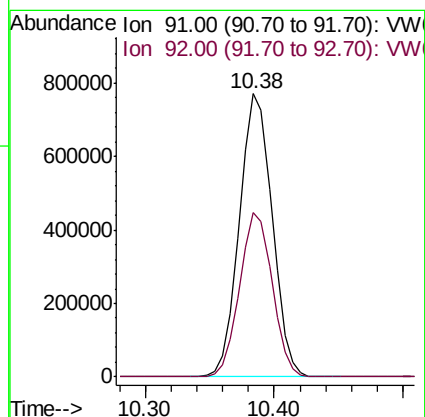
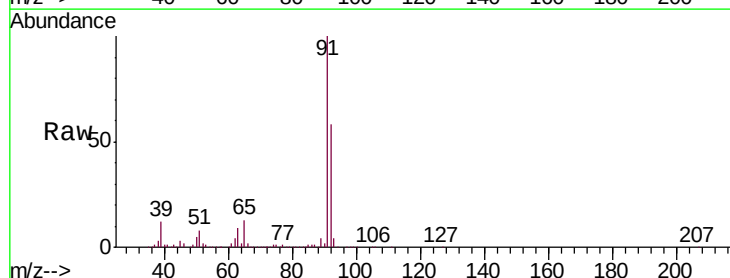
Acq: 06 Feb 2020 09:31

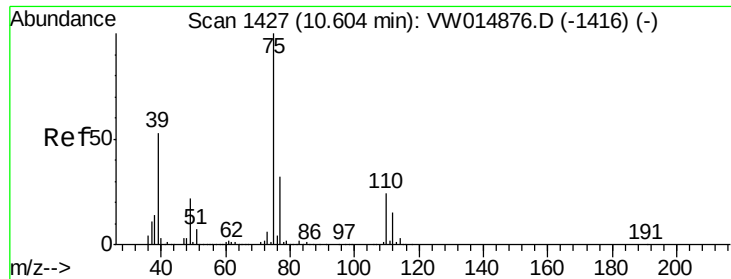
Tgt Ion: 91 Resp: 1355957

Ion Ratio Lower Upper

91 100

92 58.2 41.4 77.0





#45

trans-1,3-Dichloropropene

Concen: 27.511 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW014888.D

Acq: 06 Feb 2020 09:31

Instrument :

MSVOA_W

ClientSampleId :

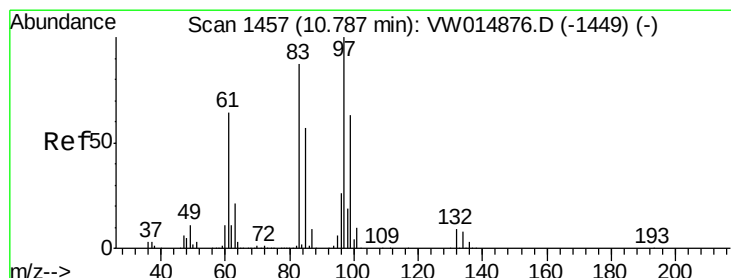
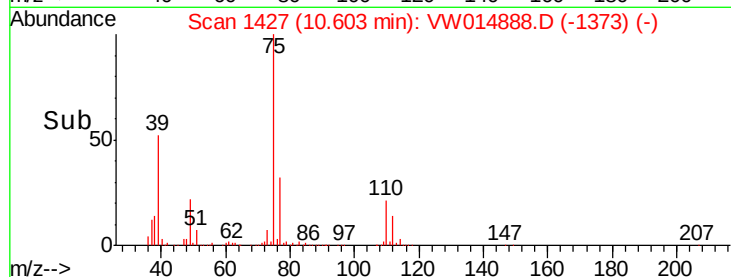
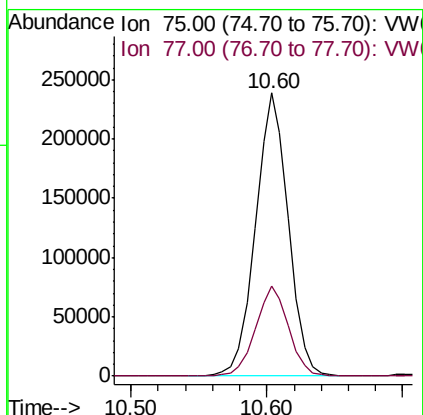
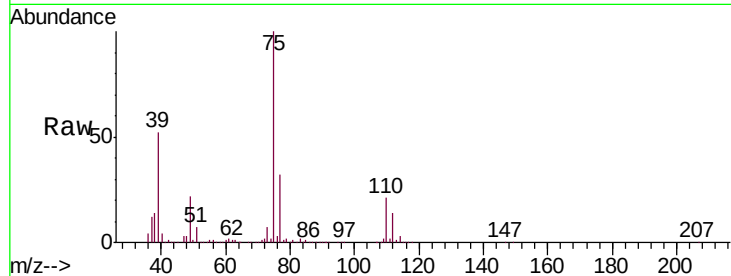
VSTD02515

Tgt Ion: 75 Resp: 402085

Ion Ratio Lower Upper

75 100

77 31.8 21.8 40.6



#46

1,1,2-Trichloroethane

Concen: 27.424 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW014888.D

Acq: 06 Feb 2020 09:31

Tgt Ion: 97 Resp: 230753

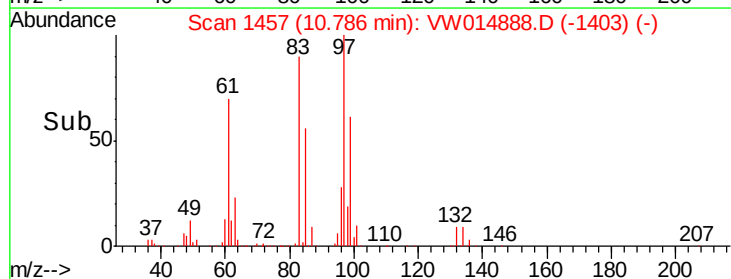
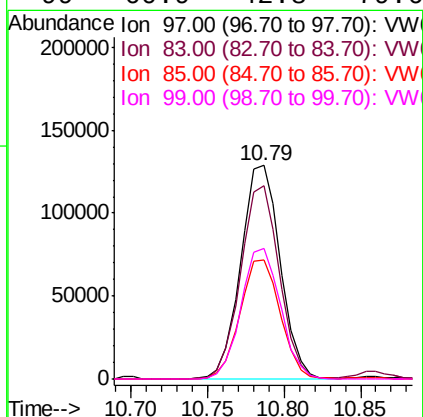
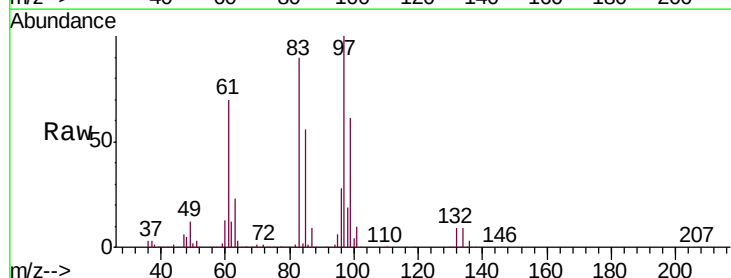
Ion Ratio Lower Upper

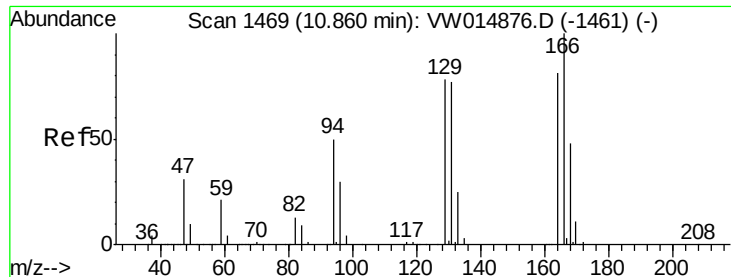
97 100

83 90.5 60.8 112.8

85 56.0 39.9 74.1

99 60.9 42.8 79.6





#47

Tetrachloroethene

Concen: 26.170 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW014888.D

Acq: 06 Feb 2020 09:31

Instrument :

MSVOA_W

ClientSampled :

VSTD02515

Tgt Ion:164 Resp: 227657

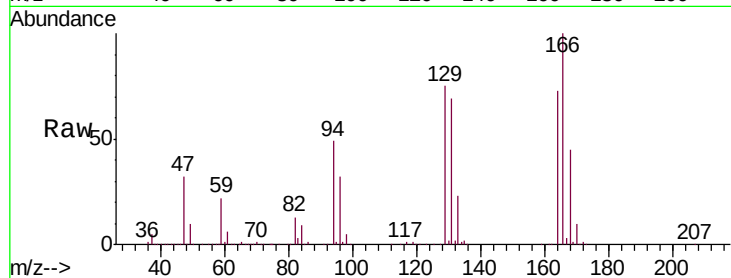
Ion Ratio Lower Upper

164 100

129 102.4 67.5 125.4

131 94.4 64.0 119.0

166 137.1 87.0 161.6

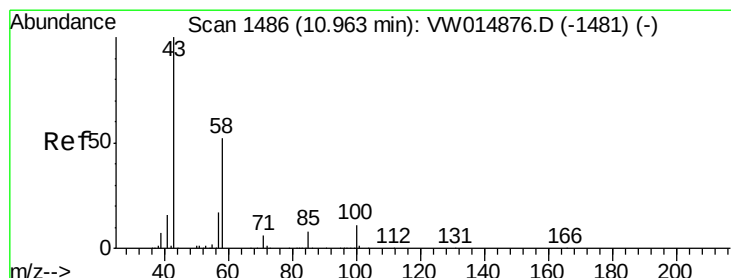
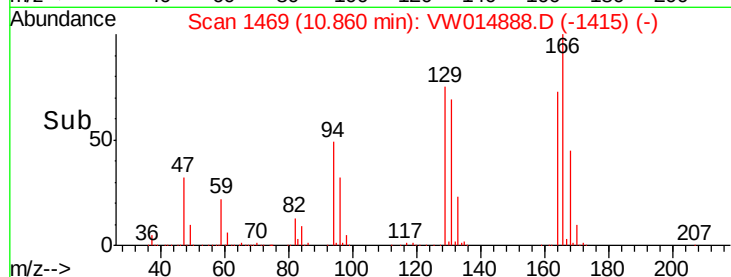
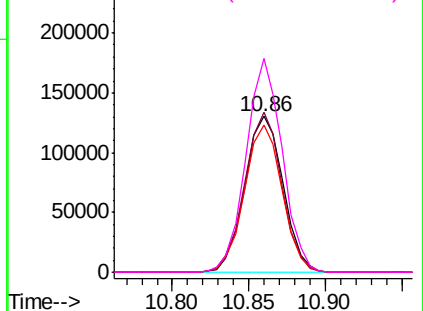


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#49

2-Hexanone

Concen: 57.563 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.01 min

Lab File: VW014888.D

Acq: 06 Feb 2020 09:31

Tgt Ion: 43 Resp: 338876

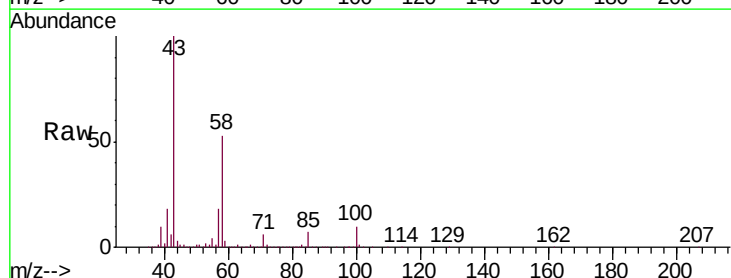
Ion Ratio Lower Upper

43 100

58 50.1 42.2 63.2

57 17.5 14.5 21.7

100 9.6 8.6 12.8

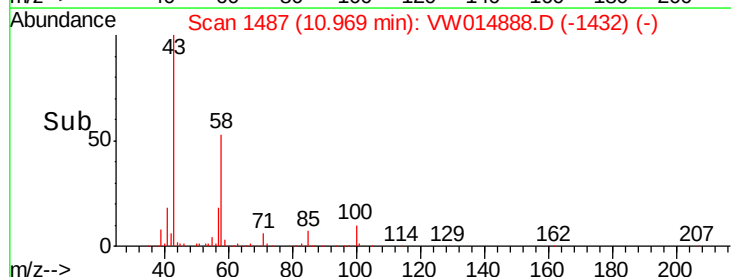
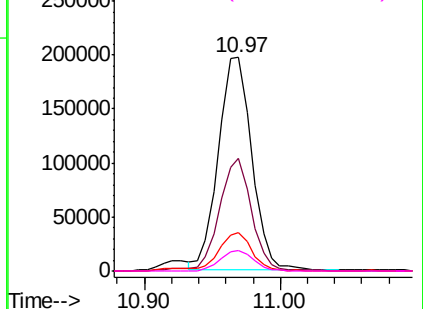


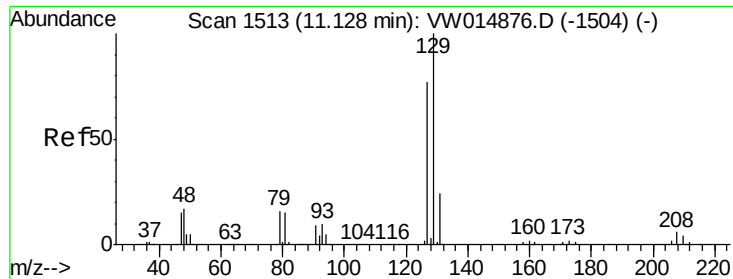
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW





#50

Dibromochloromethane

Concen: 26.918 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW014888.D

Acq: 06 Feb 2020 09:31

Instrument :

MSVOA_W

ClientSampleId :

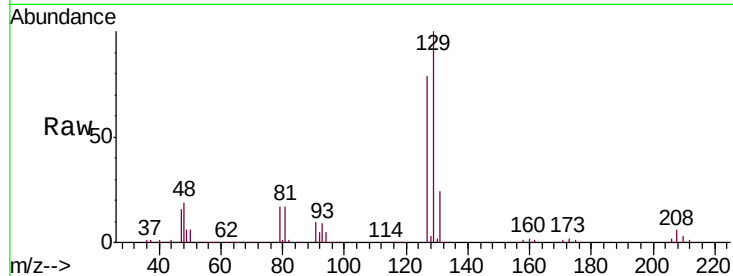
VSTD02515

Tgt Ion:129 Resp: 243426

Ion Ratio Lower Upper

129 100

127 79.0 54.1 100.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

11.13

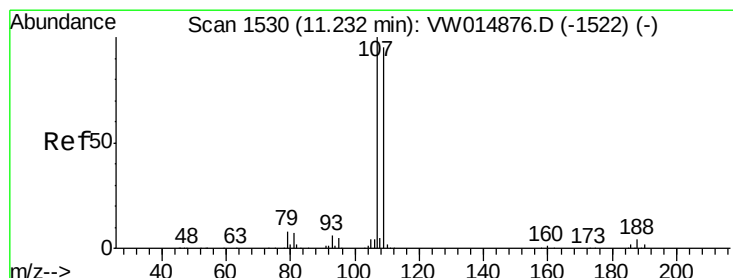
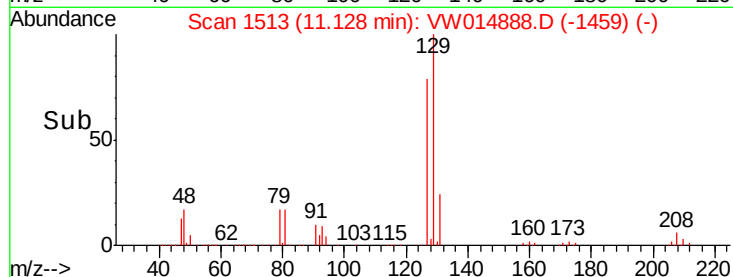
150000

100000

50000

0

Time-->



#51

1,2-Dibromoethane

Concen: 26.578 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW014888.D

Acq: 06 Feb 2020 09:31

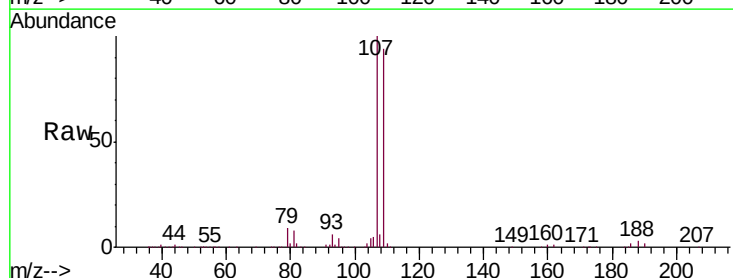
Tgt Ion:107 Resp: 208077

Ion Ratio Lower Upper

107 100

109 94.1 65.0 120.6

188 3.2 2.4 3.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

11.23

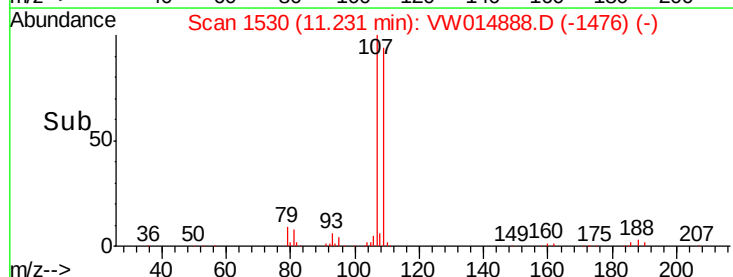
150000

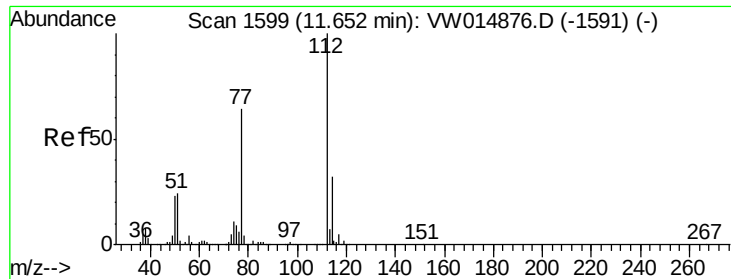
100000

50000

0

Time-->





#52

Chlorobenzene

Concen: 26.791 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VW014888.D

Acq: 06 Feb 2020 09:31

Instrument :

MSVOA_W

ClientSampleId :

VSTD02515

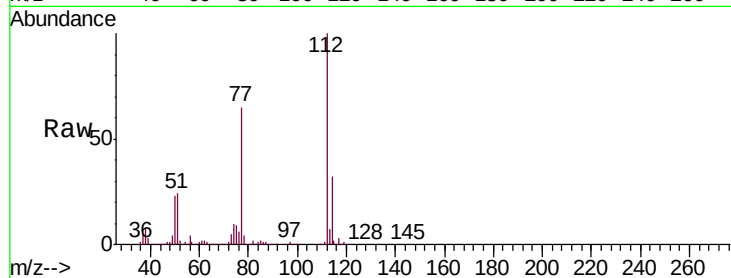
Tgt Ion: 112 Resp: 794229

Ion Ratio Lower Upper

112 100

77 64.8 49.9 74.9

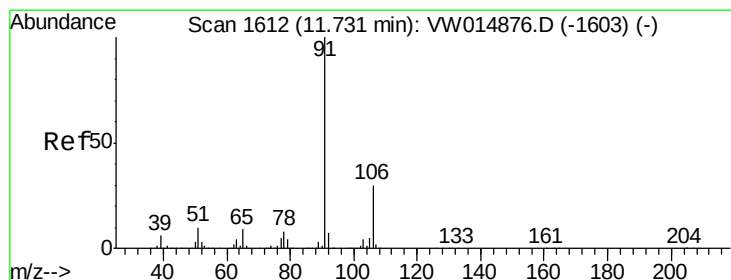
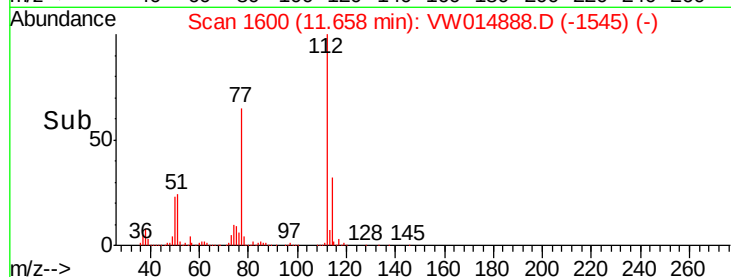
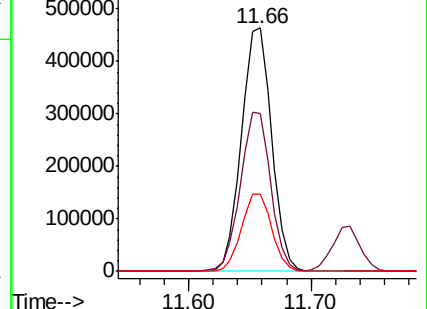
114 31.8 22.7 42.1



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VW

Ion 114.00 (113.70 to 114.70): V



#53

Ethylbenzene

Concen: 27.905 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW014888.D

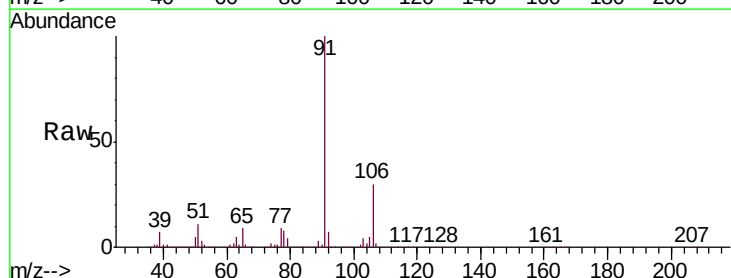
Acq: 06 Feb 2020 09:31

Tgt Ion: 91 Resp: 1480246

Ion Ratio Lower Upper

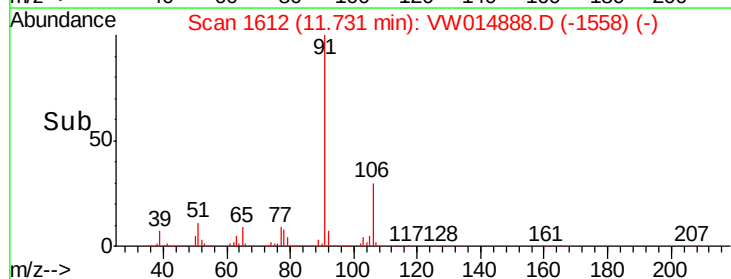
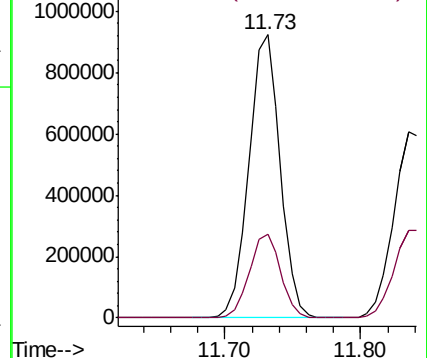
91 100

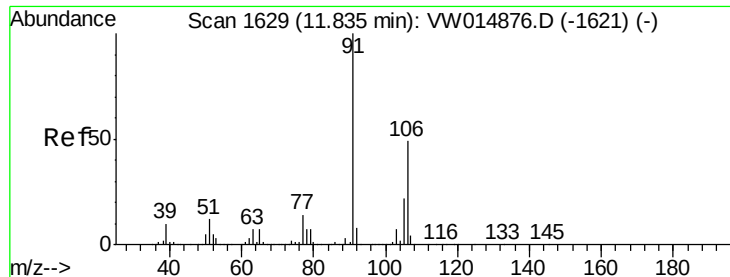
106 29.8 21.5 39.9



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V





#54

m,p-Xylene

Concen: 27.974 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.01 min

Lab File: VW014888.D

Acq: 06 Feb 2020 09:31

Instrument :

MSVOA_W

ClientSampleId :

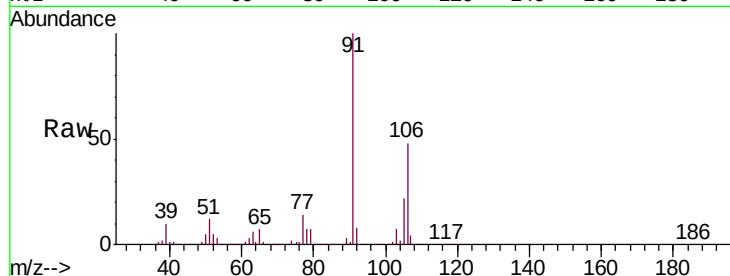
VSTD02515

Tgt Ion:106 Resp: 542018

Ion Ratio Lower Upper

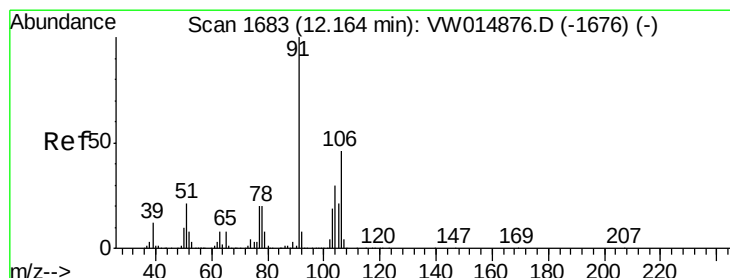
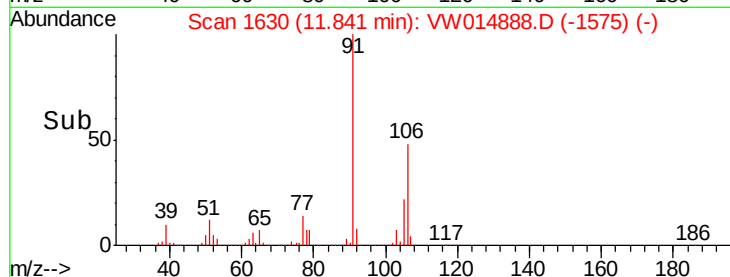
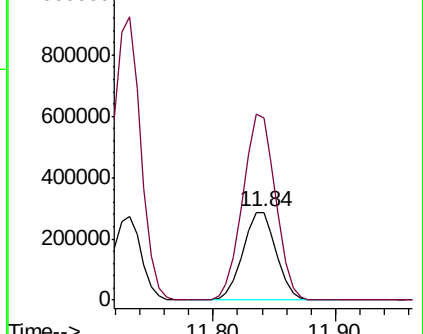
106 100

91 207.5 143.4 266.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 27.706 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW014888.D

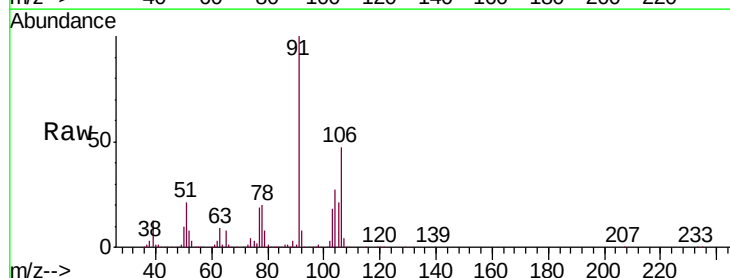
Acq: 06 Feb 2020 09:31

Tgt Ion:106 Resp: 510910

Ion Ratio Lower Upper

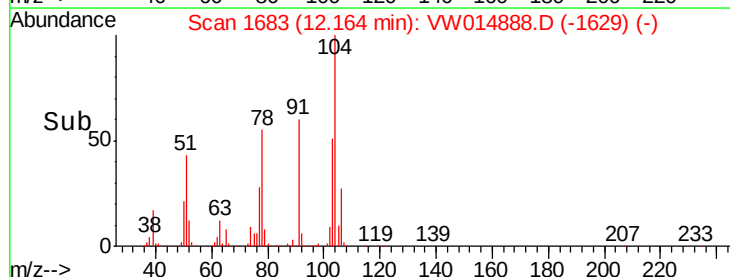
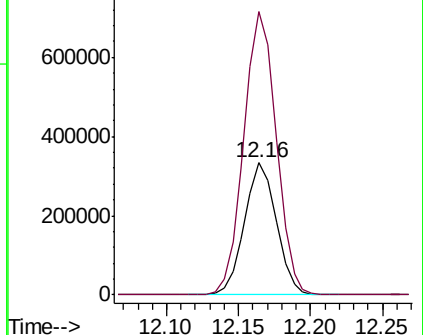
106 100

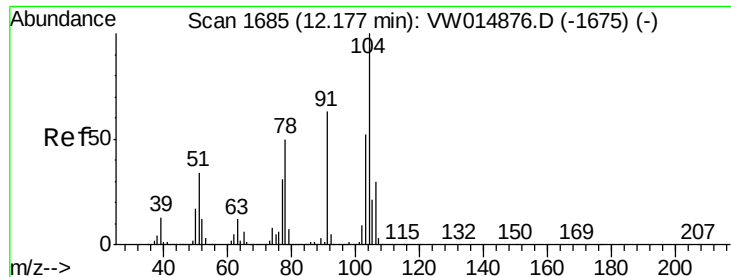
91 214.5 155.0 287.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#56

Styrene

Concen: 28.601 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VW014888.D

Acq: 06 Feb 2020 09:31

Instrument :

MSVOA_W

ClientSampled :

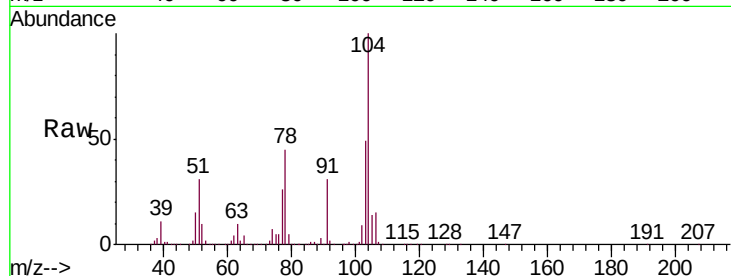
VSTD02515

Tgt Ion:104 Resp: 891397

Ion Ratio Lower Upper

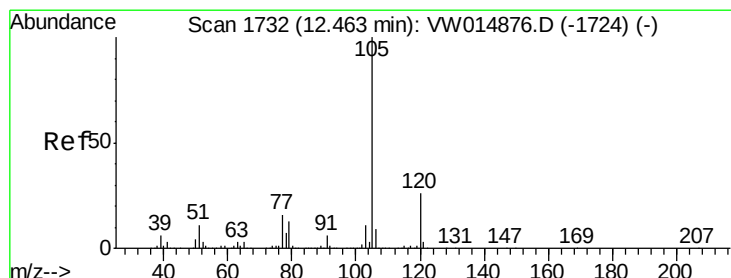
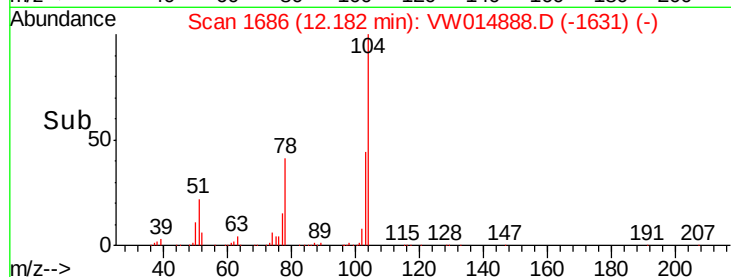
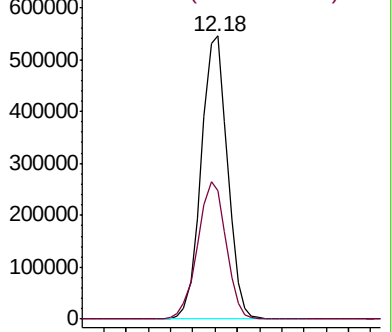
104 100

78 45.4 33.8 62.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW



#57

Isopropylbenzene

Concen: 28.034 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW014888.D

Acq: 06 Feb 2020 09:31

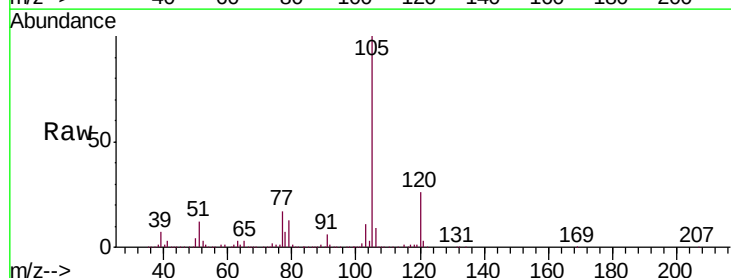
Tgt Ion:105 Resp: 1388347

Ion Ratio Lower Upper

105 100

120 25.6 20.4 30.6

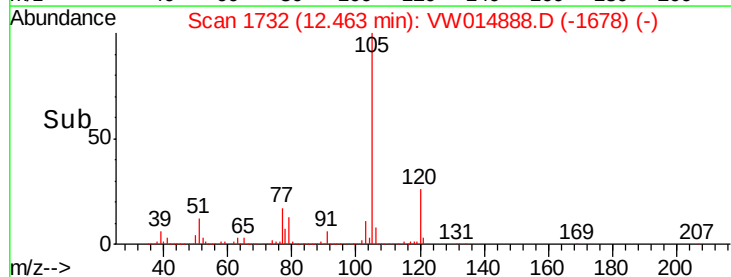
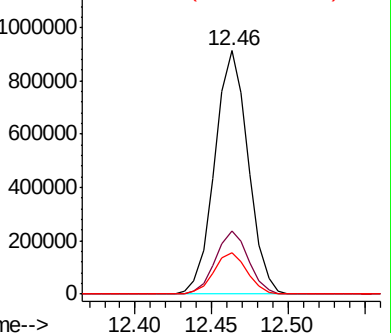
77 17.0 13.1 19.7

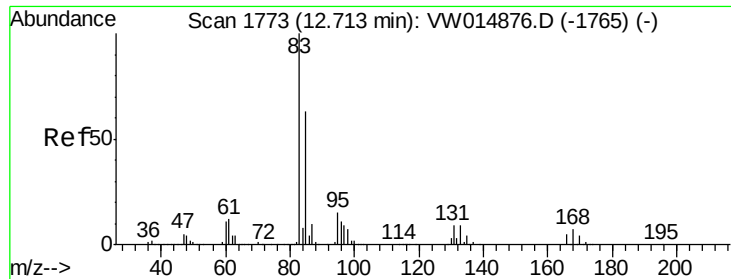


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VW

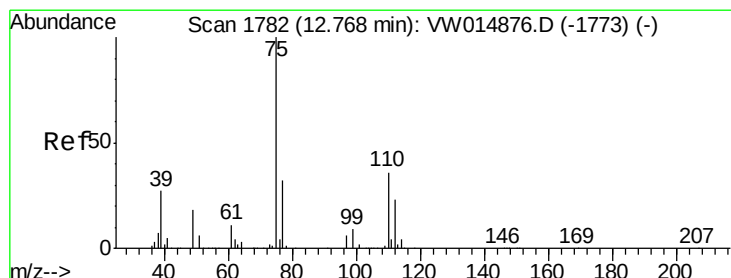
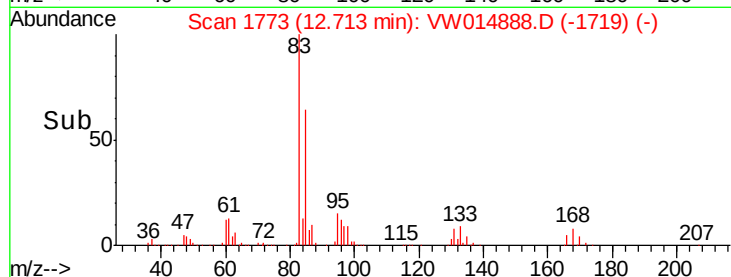
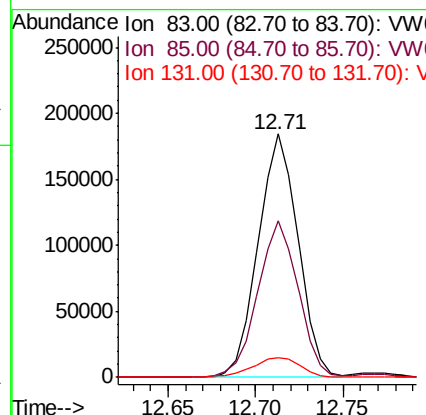
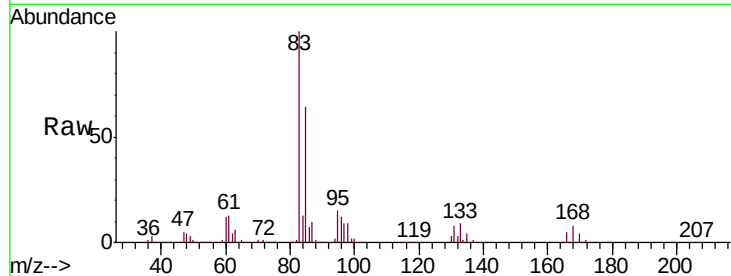




#58
 1,1,2,2-Tetrachloroethane
 Concen: 27.942 ug/L
 RT: 12.71 min Scan# 1773
 Delta R.T. -0.00 min
 Lab File: VW014888.D
 Acq: 06 Feb 2020 09:31

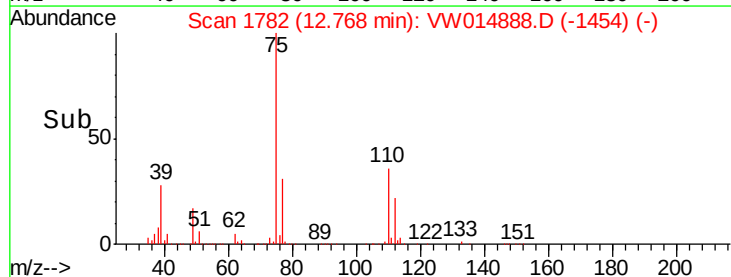
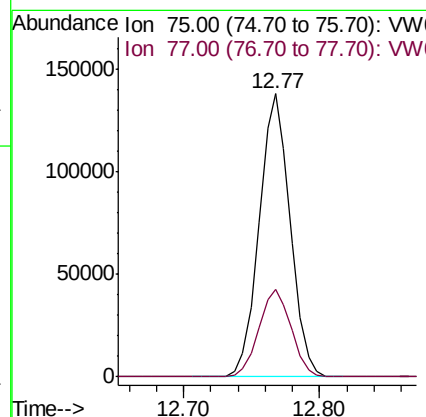
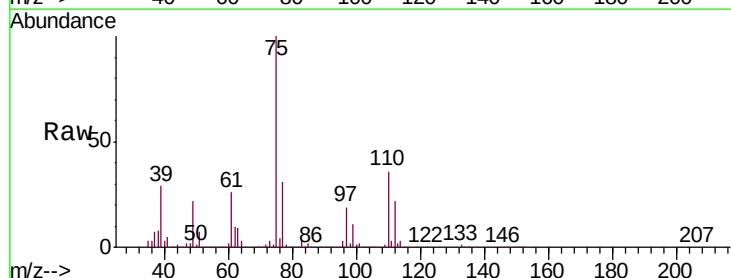
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02515

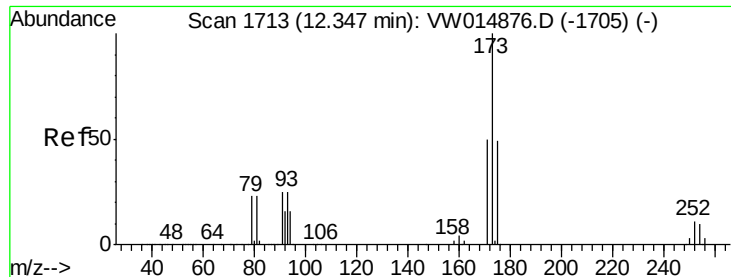
Tgt Ion: 83 Resp: 293455
 Ion Ratio Lower Upper
 83 100
 85 64.1 45.9 85.3
 131 8.1 7.3 10.9



#59
 1,2,3-Trichloropropane
 Concen: 27.825 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW014888.D
 Acq: 06 Feb 2020 09:31

Tgt Ion: 75 Resp: 219858
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.9 38.9





#62

Bromoform

Concen: 26.408 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW014888.D

Acq: 06 Feb 2020 09:31

Instrument :

MSVOA_W

ClientSampleId :

VSTD02515

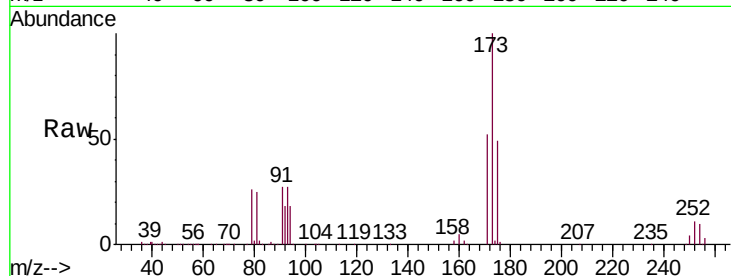
Tgt Ion:173 Resp: 129090

Ion Ratio Lower Upper

173 100

175 48.8 38.9 58.3

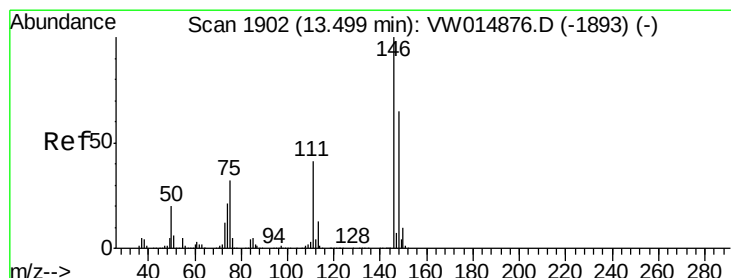
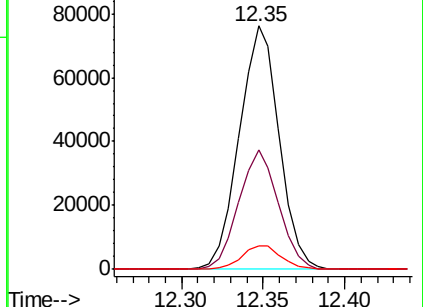
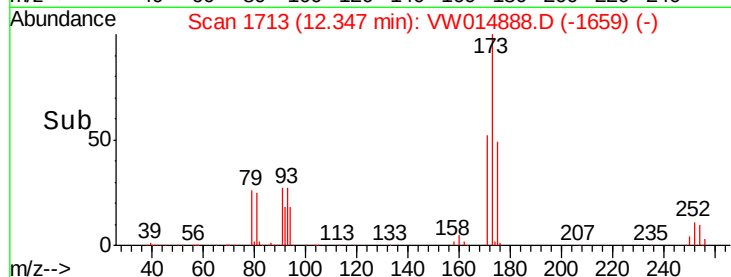
254 9.8 7.8 11.8



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#63

1,3-Dichlorobenzene

Concen: 26.491 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW014888.D

Acq: 06 Feb 2020 09:31

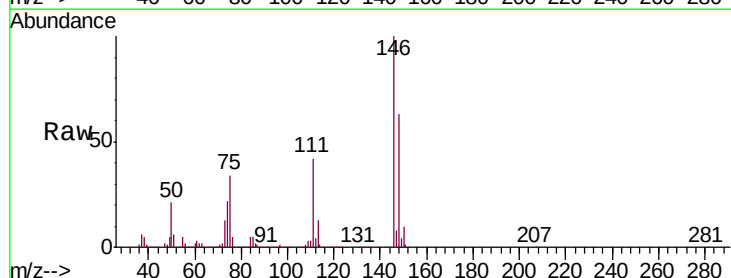
Tgt Ion:146 Resp: 573808

Ion Ratio Lower Upper

146 100

111 41.8 28.6 53.0

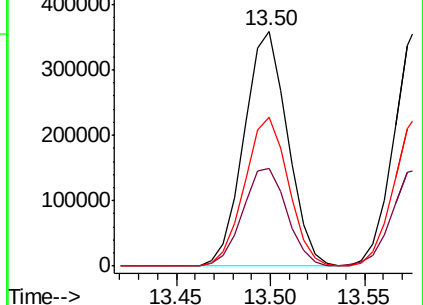
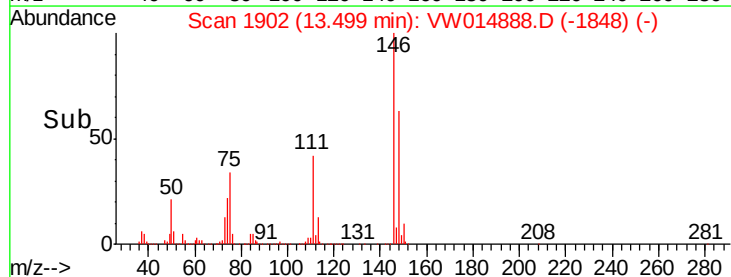
148 63.4 43.3 80.5

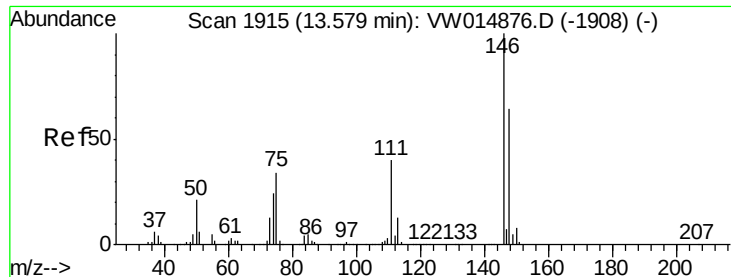


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

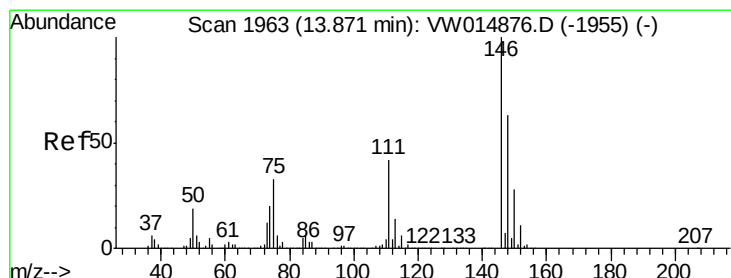
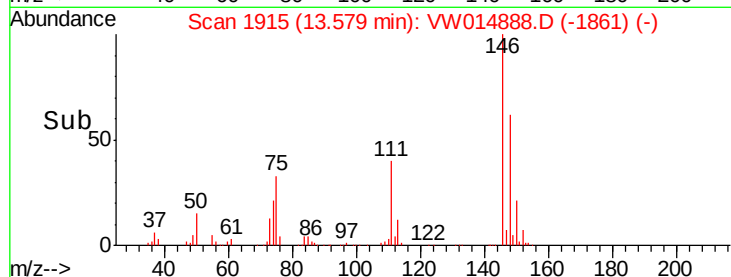
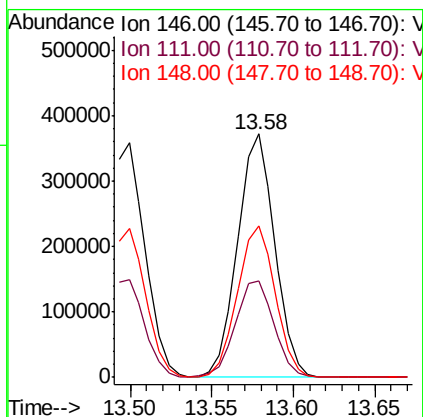
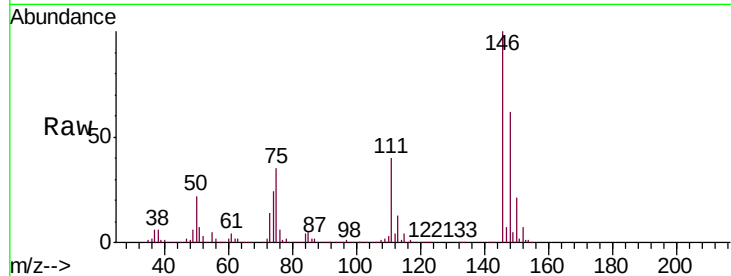




#64
1,4-Dichlorobenzene
Concen: 27.090 ug/L
RT: 13.58 min Scan# 1915
Delta R.T. -0.00 min
Lab File: VW014888.D
Acq: 06 Feb 2020 09:31

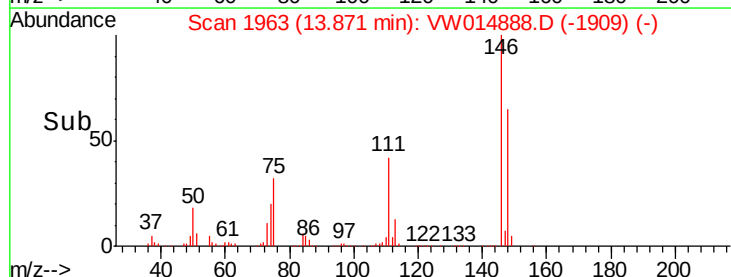
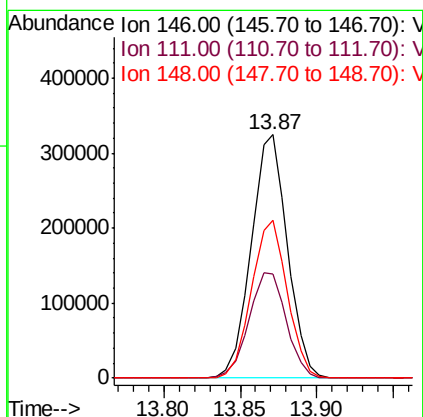
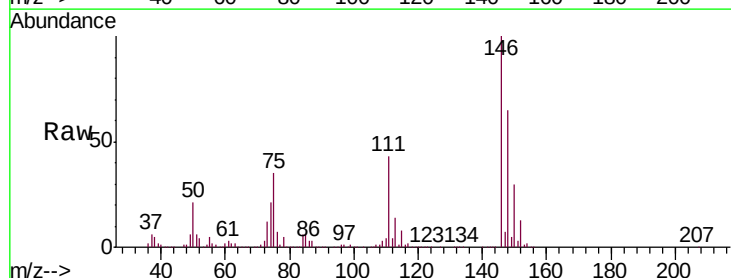
Instrument :
MSVOA_W
ClientSampleId :
VSTD02515

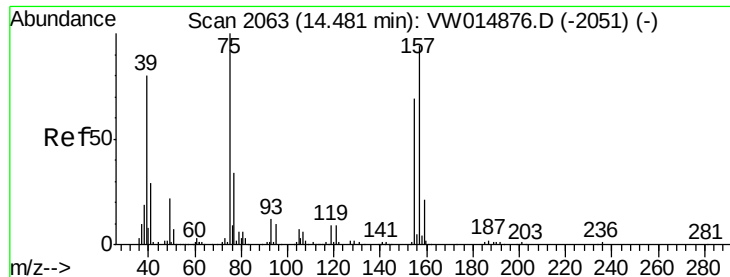
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	27.9	51.7
148	62.2	44.0	81.8



#65
1,2-Dichlorobenzene
Concen: 26.952 ug/L
RT: 13.87 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VW014888.D
Acq: 06 Feb 2020 09:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.6	35.0	52.6
148	65.0	51.1	76.7

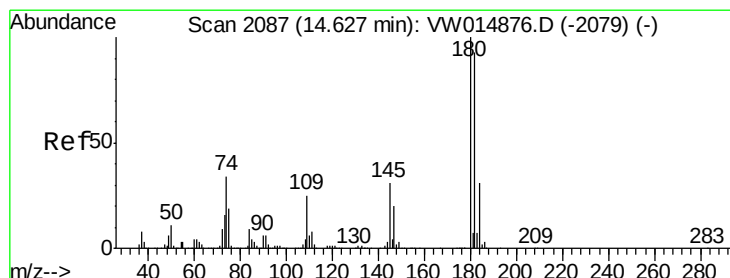
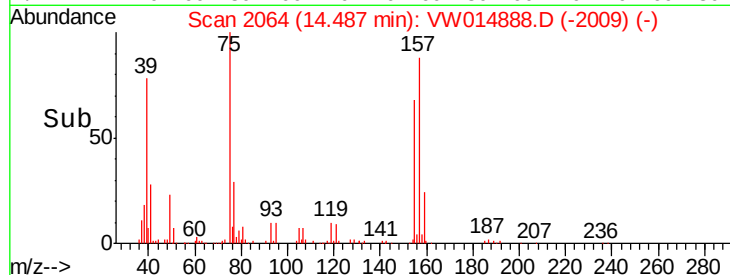
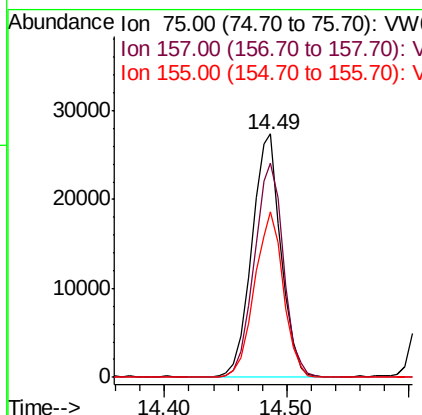
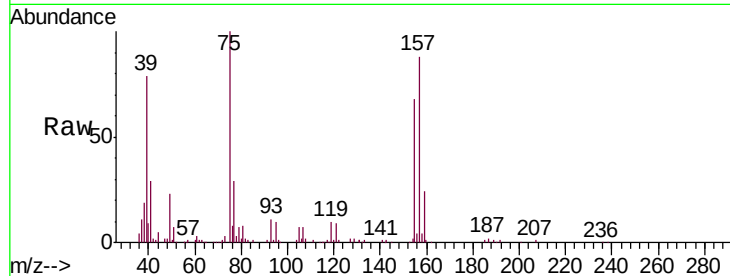




#66
 1,2-Dibromo-3-chloropropane
 Concen: 26.823 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW014888.D
 Acq: 06 Feb 2020 09:31

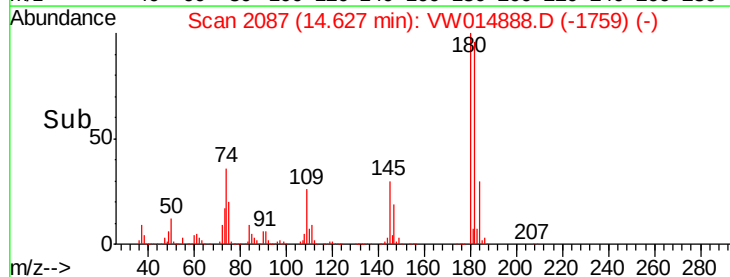
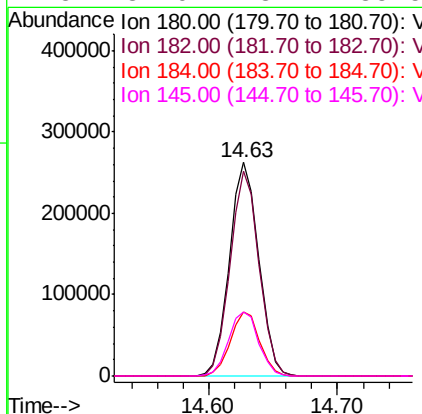
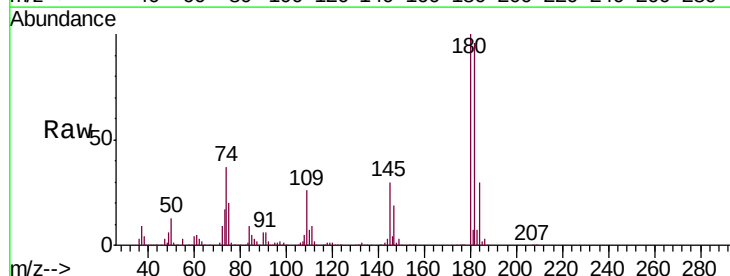
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02515

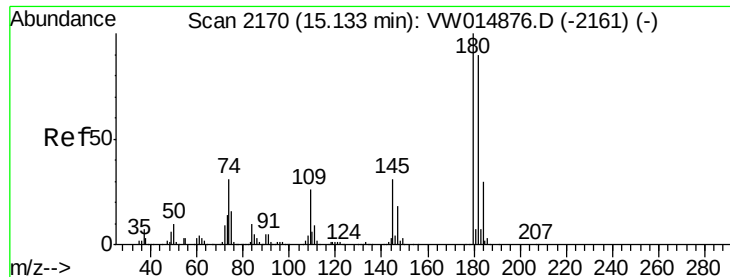
Tgt Ion: 75 Resp: 45311
 Ion Ratio Lower Upper
 75 100
 157 88.1 74.2 111.4
 155 68.1 56.1 84.1



#67
 1,3,5-Trichlorobenzene
 Concen: 26.833 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW014888.D
 Acq: 06 Feb 2020 09:31

Tgt Ion: 180 Resp: 416277
 Ion Ratio Lower Upper
 180 100
 182 94.9 75.5 113.3
 184 30.0 24.6 36.8
 145 31.0 23.7 35.5

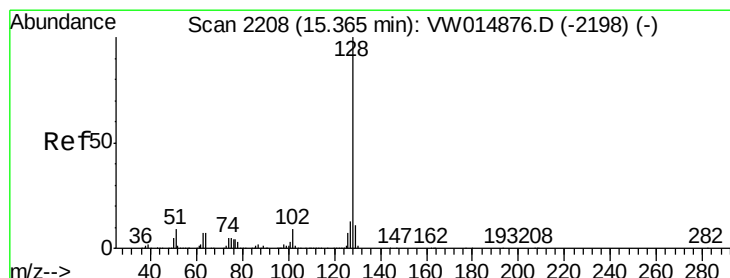
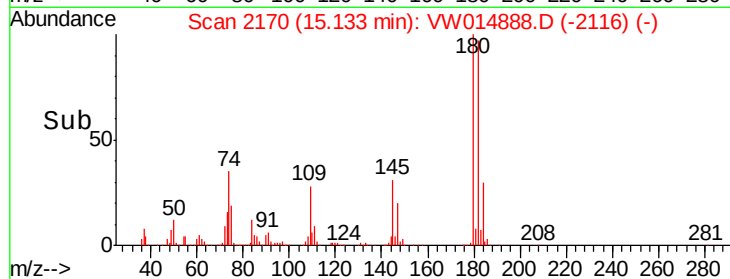
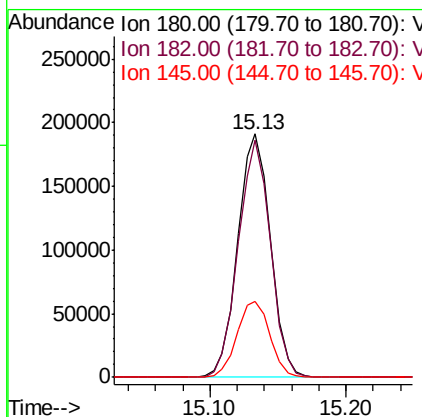
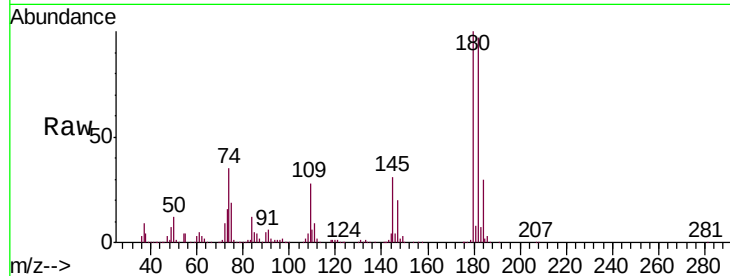




#68
 1,2,4-trichlorobenzene
 Concen: 26.130 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW014888.D
 Acq: 06 Feb 2020 09:31

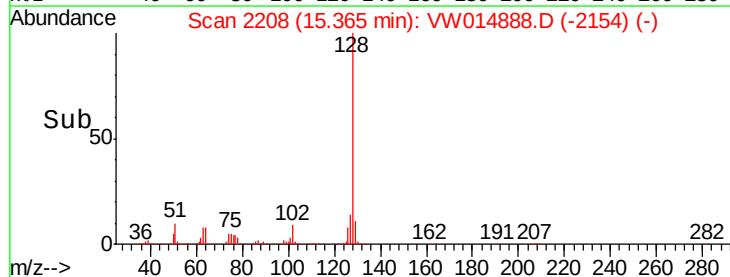
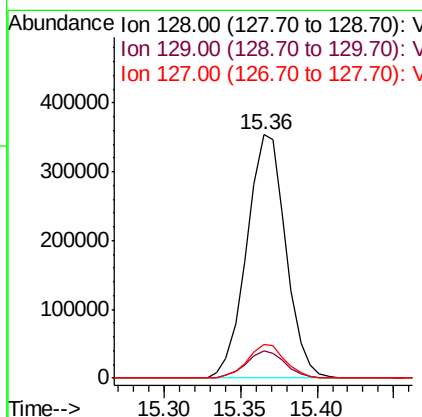
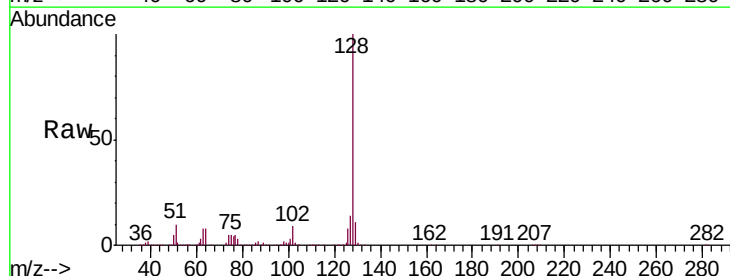
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02515

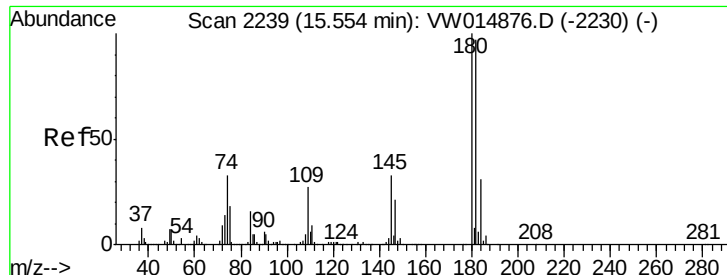
Tgt Ion:180 Resp: 320278
 Ion Ratio Lower Upper
 180 100
 182 95.7 76.4 114.6
 145 31.3 24.6 37.0



#69
 Naphthalene
 Concen: 26.087 ug/L
 RT: 15.36 min Scan# 2208
 Delta R.T. -0.00 min
 Lab File: VW014888.D
 Acq: 06 Feb 2020 09:31

Tgt Ion:128 Resp: 628962
 Ion Ratio Lower Upper
 128 100
 129 10.9 8.7 13.1
 127 13.3 10.5 15.7





#70

1,2,3-Trichlorobenzene

Concen: 27.125 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW014888.D

Acq: 06 Feb 2020 09:31

Instrument :

MSVOA_W

ClientSampleId :

VSTD02515

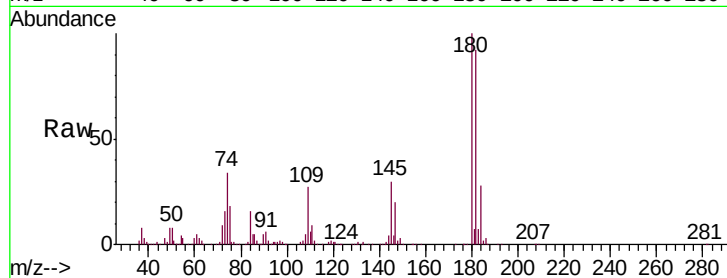
Tgt Ion:180 Resp: 306983

Ion Ratio Lower Upper

180 100

182 95.4 75.3 112.9

145 33.1 26.0 39.0



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

