

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121219\
 Data File : VW014339.D
 Acq On : 12 Dec 2019 21:00
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02517

Quant Time: Dec 13 06:12:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120519S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 13 06:08:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1148143	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	966877	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	446436	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	416974	23.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.92%
7) Chloroethane-d5	2.88	69	343085	26.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	106.16%
10) 1,1-Dichloroethene-d2	4.02	63	814410	26.52	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	106.08%
20) 2-Butanone-d5	7.07	46	210555	46.47	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.94%
24) Chloroform-d	7.64	84	767067	26.24	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	104.96%
26) 1,2-Dichloroethane-d4	8.30	65	363021	23.69	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.76%
29) Benzene-d6	8.27	84	1627611	28.72	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	114.88%
33) 1,2-Dichloropropane-d6	9.27	67	483488	27.73	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	110.92%
37) Toluene-d8	10.32	98	1474593	28.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	115.12%
38) trans-1,3-Dichloropropene-	10.57	79	177956	24.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.32%
39) 2-Hexanone-d5	10.92	63	170990	49.33	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.66%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	336385	23.68	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.72%
61) 1,2-Dichlorobenzene-d4	13.85	152	442759	25.95	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	255049	23.356	ug/L	98
3) Chloromethane	2.21	50	251068	22.870	ug/L	99
5) Vinyl chloride	2.36	62	432381	26.601	ug/L	94
6) Bromomethane	2.78	94	243264	24.263	ug/L	100
8) Chloroethane	2.92	64	245199	26.405	ug/L	97
9) Trichlorofluoromethane	3.25	101	220615	27.417	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	410486	27.106	ug/L	94
12) 1,1-Dichloroethene	4.04	96	401249	26.171	ug/L	93
13) Acetone	4.12	43	148096	33.903	ug/L	97
14) Carbon disulfide	4.38	76	1151723	24.493	ug/L	100
15) Methyl Acetate	4.67	43	155069	18.768	ug/L	96
16) Methylene chloride	4.90	84	411743	23.393	ug/L	98
17) Methyl tert-butyl Ether	5.42	73	446936	22.105	ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	407212	24.801	ug/L	93
19) 1,1-Dichloroethane	6.21	63	724185	24.549	ug/L	99
21) 2-Butanone	7.17	43	221601	37.786	ug/L	97
22) cis-1,2-Dichloroethene	7.17	96	416680	23.850	ug/L	97

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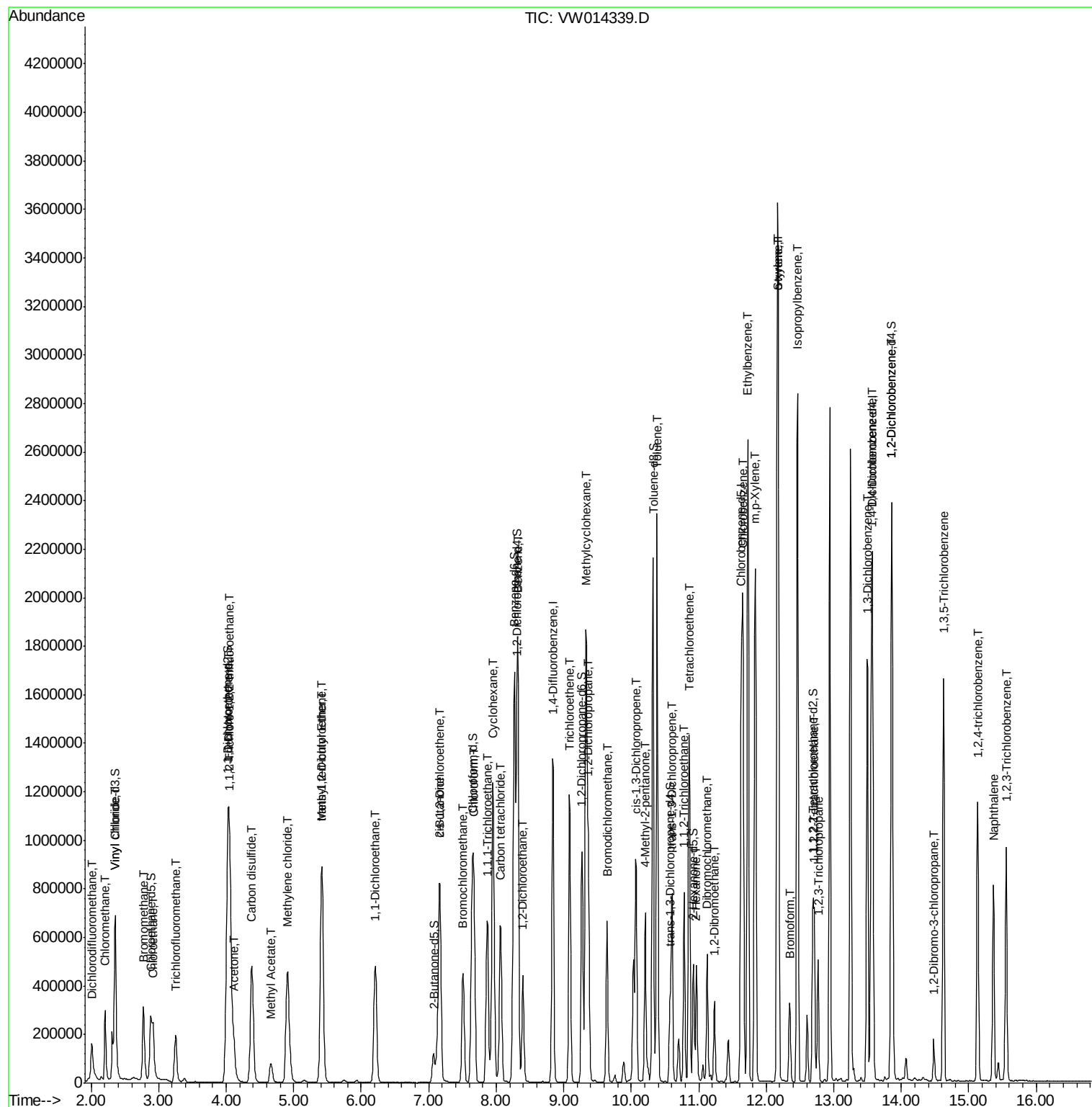
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	166541	20.723	ug/L	88
25) Chloroform	7.67	83	687392	23.979	ug/L	99
27) 1,2-Dichloroethane	8.40	62	392361	20.902	ug/L	98
30) Cyclohexane	7.95	56	738602	30.605	ug/L	97
31) 1,1,1-Trichloroethane	7.87	97	554270	28.544	ug/L	98
32) Carbon tetrachloride	8.06	117	514719	27.937	ug/L	100
34) Benzene	8.32	78	1636932	26.738	ug/L	100
35) Trichloroethene	9.09	95	419914	26.808	ug/L	96
36) Methylcyclohexane	9.33	83	777612	29.543	ug/L	96
40) 1,2-Dichloropropane	9.37	63	394676	25.094	ug/L	100
41) Bromodichloromethane	9.64	83	458160	23.970	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	567330	24.087	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	459162	44.273	ug/L	98
44) Toluene	10.38	91	1724431	26.867	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	433399	22.732	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	256100	21.730	ug/L	97
47) Tetrachloroethene	10.86	164	348389	26.685	ug/L	96
49) 2-Hexanone	10.96	43	313504	42.459	ug/L	99
50) Dibromochloromethane	11.12	129	290449	21.958	ug/L	99
51) 1,2-Dibromoethane	11.23	107	237871	21.308	ug/L	100
52) Chlorobenzene	11.65	112	1022805	24.657	ug/L	94
53) Ethylbenzene	11.73	91	1893803	27.193	ug/L	99
54) m,p-Xylene	11.83	106	721175	26.920	ug/L	99
55) o-xylene	12.16	106	663340	26.105	ug/L	99
56) Styrene	12.18	104	1111357	25.566	ug/L	96
57) Isopropylbenzene	12.46	105	1839562	27.885	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	300463	20.540	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	220516	20.287	ug/L	99
62) Bromoform	12.35	173	158532	20.923	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	760014	25.328	ug/L	99
64) 1,4-Dichlorobenzene	13.57	146	737759	24.199	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	661417	23.703	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.48	75	42469	19.729	ug/L	83
67) 1,3,5-Trichlorobenzene	14.63	180	532083	24.646	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	403878	23.998	ug/L	99
69) Naphthalene	15.36	128	690743	21.825	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	359542	22.781	ug/L	99

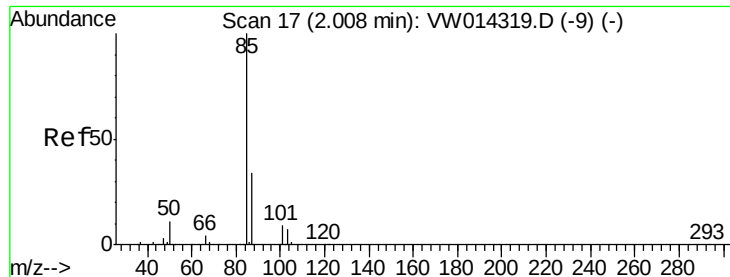
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 23.356 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW014339.D

Acq: 12 Dec 2019 21:00

Instrument :

MSVOA_W

ClientSampleId :

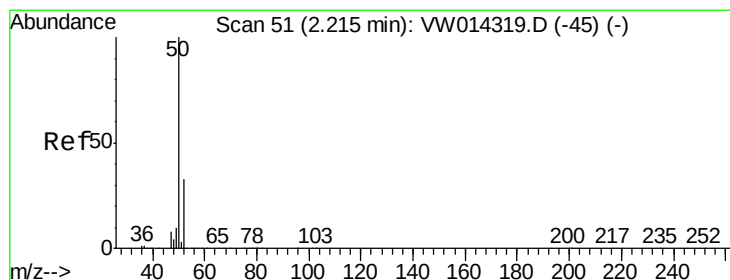
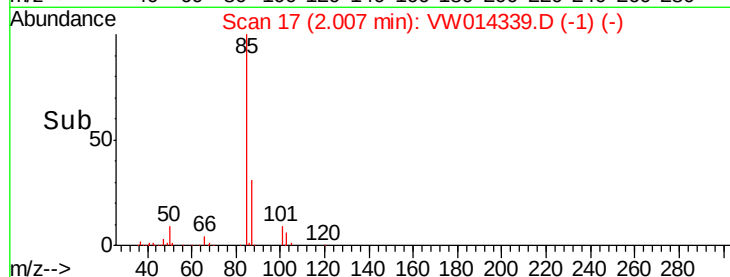
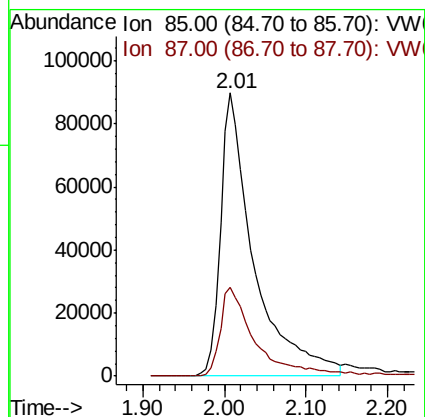
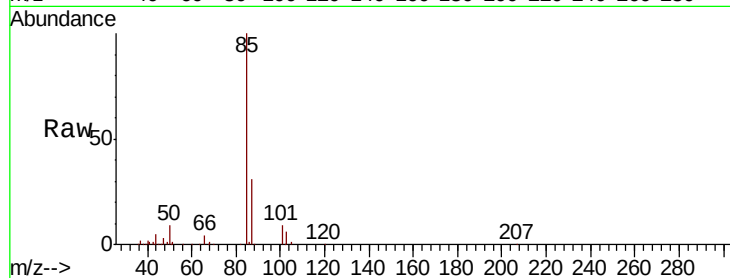
VSTD02517

Tot Ion: 85 Resp: 255049

Ion Ratio Lower Upper

85 100

87 32.7 22.1 41.1



#3

Chloromethane

Concen: 22.870 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW014339.D

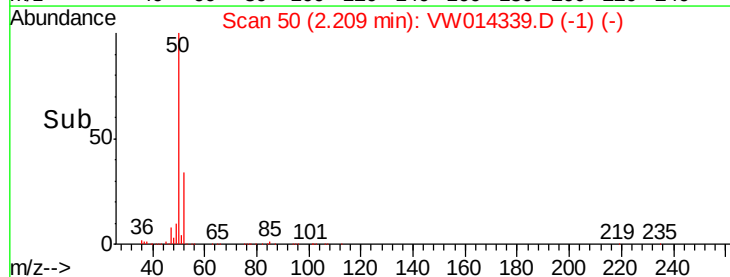
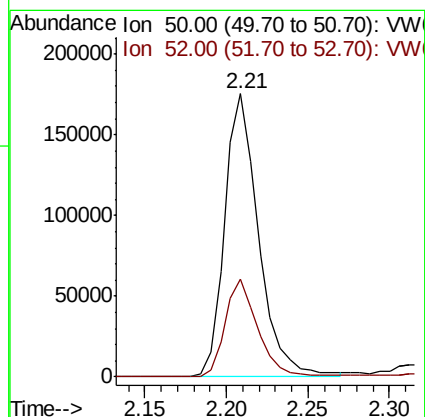
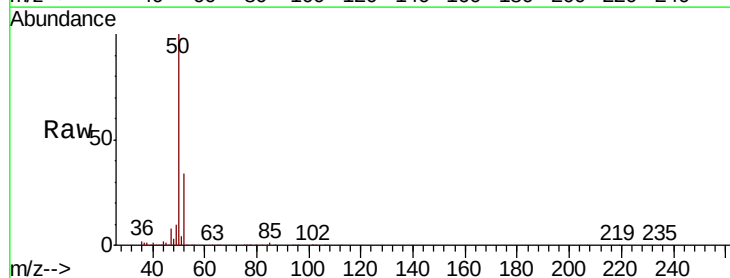
Acq: 12 Dec 2019 21:00

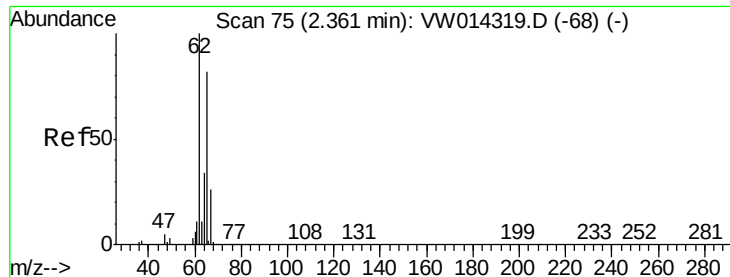
Tgt Ion: 50 Resp: 251068

Ion Ratio Lower Upper

50 100

52 34.3 23.8 44.2





#5

Vinyl chloride

Concen: 26.601 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW014339.D

Acq: 12 Dec 2019 21:00

Instrument :

MSVOA_W

ClientSampleId :

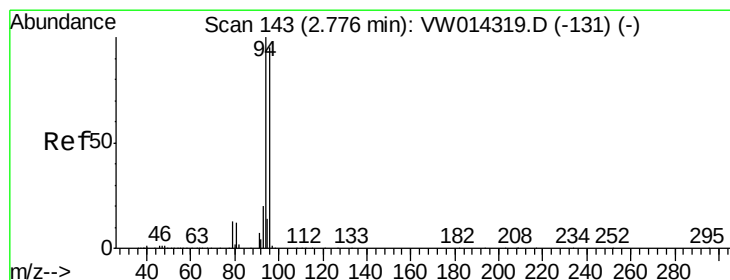
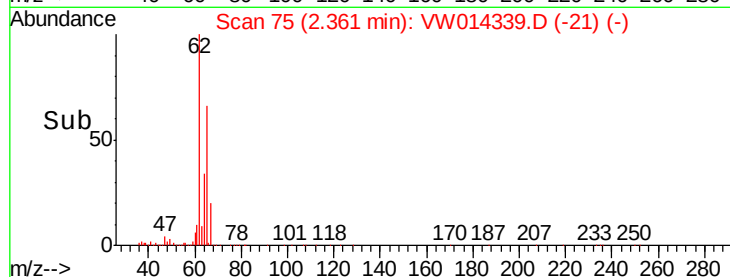
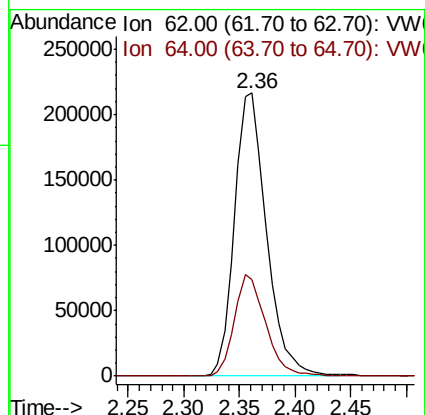
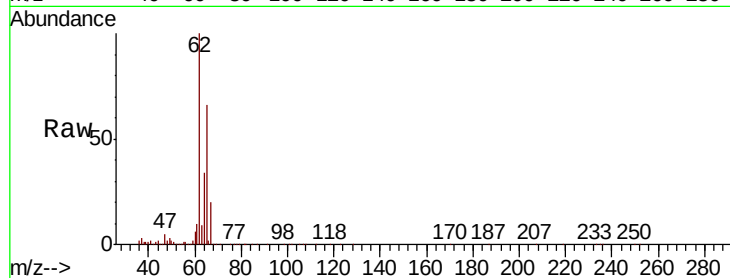
VSTD02517

Tot Ion: 62 Resp: 432381

Ion Ratio Lower Upper

62 100

64 34.2 21.8 40.4



#6

Bromomethane

Concen: 24.263 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW014339.D

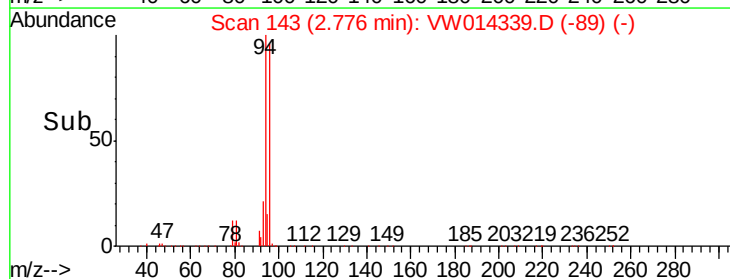
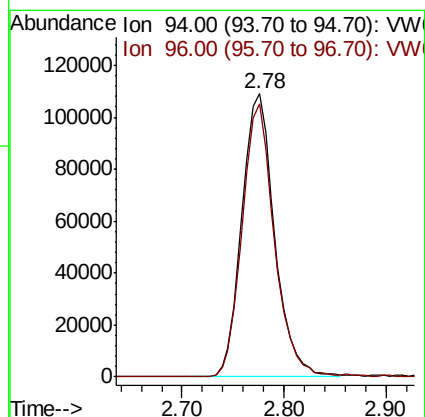
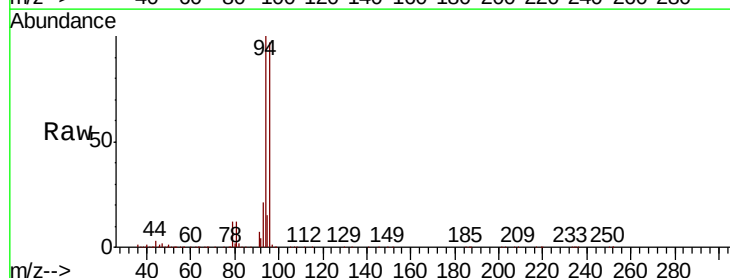
Acq: 12 Dec 2019 21:00

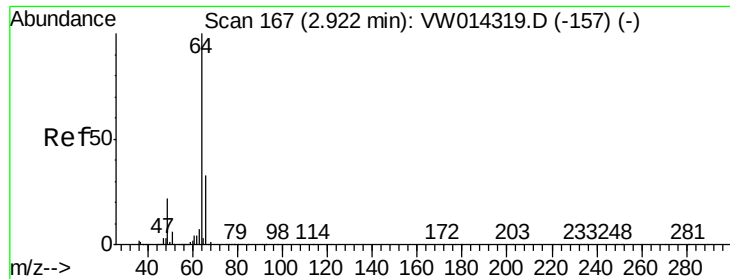
Tgt Ion: 94 Resp: 243264

Ion Ratio Lower Upper

94 100

96 94.5 9.4 178.8

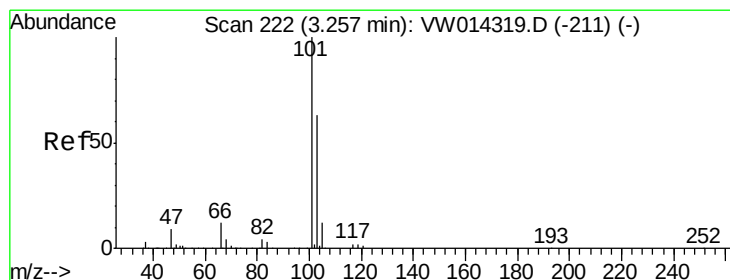
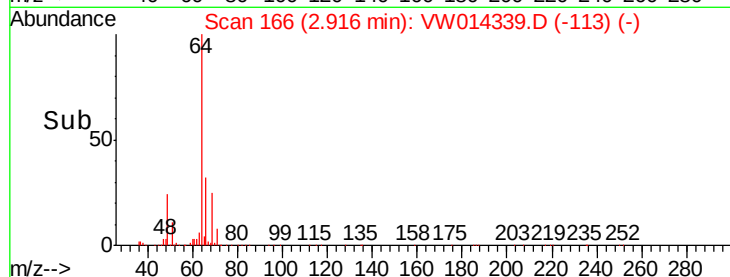
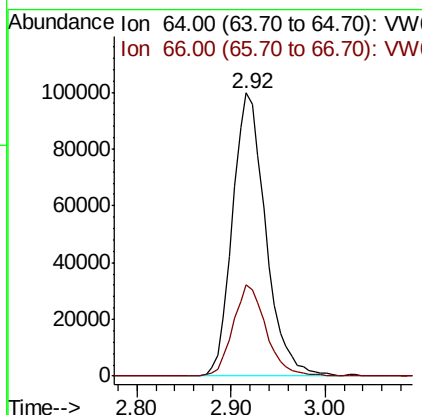
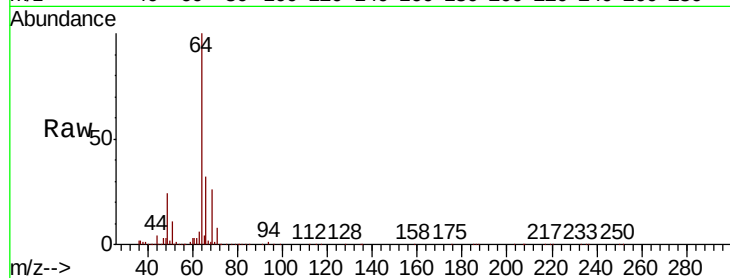




#8
Chloroethane
Concen: 26.405 ug/L
RT: 2.92 min Scan# 166
Delta R.T. -0.01 min
Lab File: VW014339.D
Acq: 12 Dec 2019 21:00

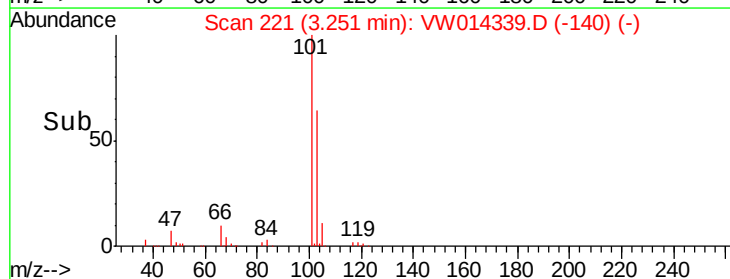
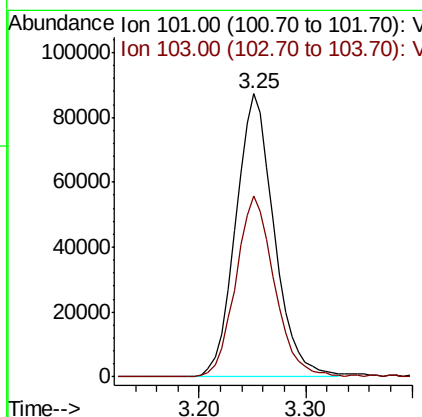
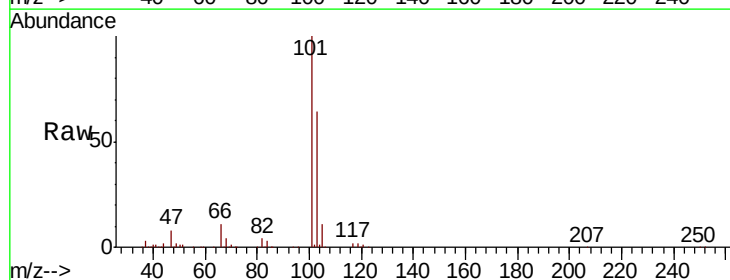
Instrument :
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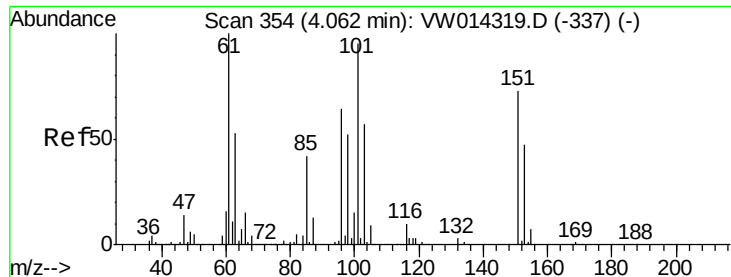
Tot Ion: 64 Resp: 245199
Ion Ratio Lower Upper
64 100
66 32.1 21.2 39.4



#9
Trichlorofluoromethane
Concen: 27.417 ug/L
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW014339.D
Acq: 12 Dec 2019 21:00

Tgt Ion: 101 Resp: 220615
Ion Ratio Lower Upper
101 100
103 64.3 45.4 84.2





#11

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

Concen: 27.106 ug/L

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW014339.D

Acq: 12 Dec 2019 21:00

Instrument :

MSVOA_W

ClientSampleId :

VSTD02517

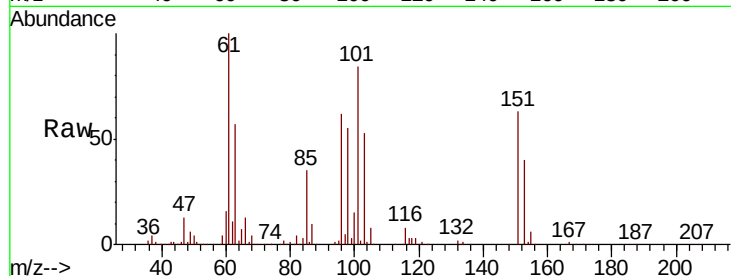
Tot Ion:101 Resp: 410486

Ion Ratio Lower Upper

101 100

85 41.0 31.4 47.2

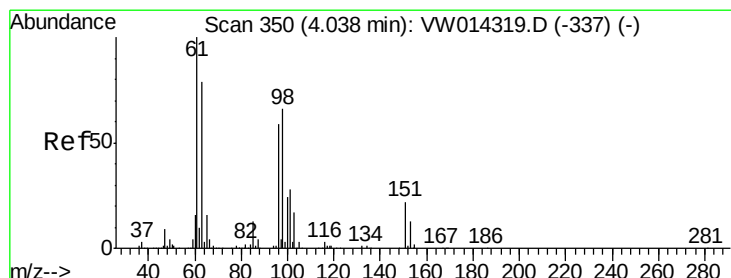
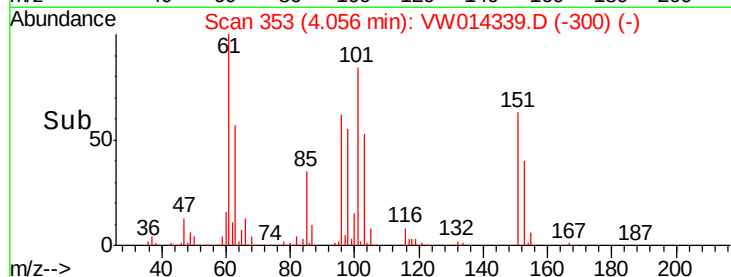
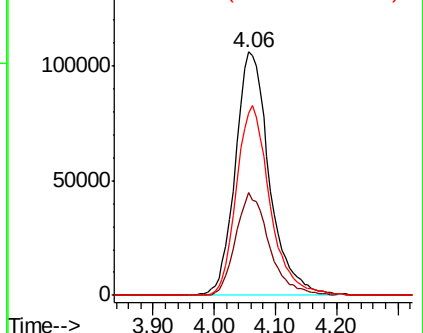
151 76.3 66.9 100.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 26.171 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW014339.D

Acq: 12 Dec 2019 21:00

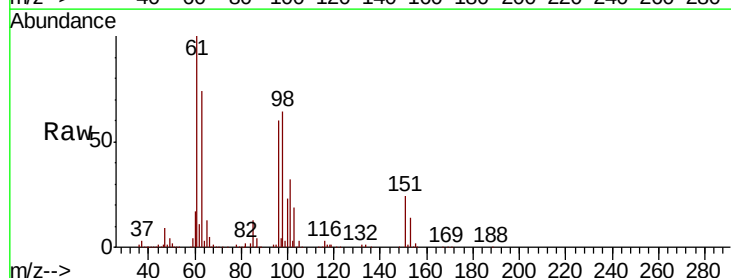
Tgt Ion: 96 Resp: 401249

Ion Ratio Lower Upper

96 100

61 165.5 109.8 204.0

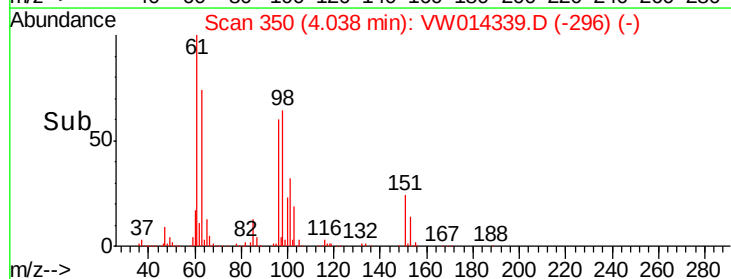
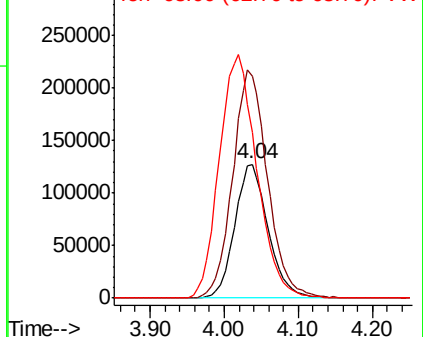
63 123.2 80.7 149.9

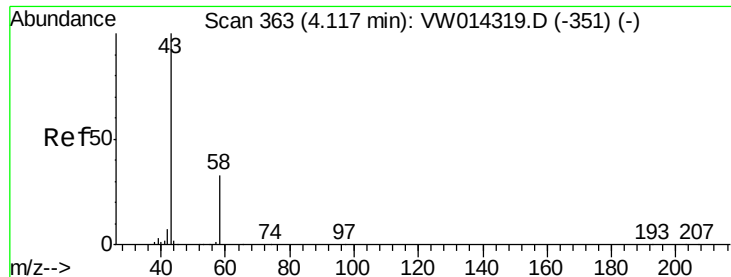


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 33.903 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW014339.D

Acq: 12 Dec 2019 21:00

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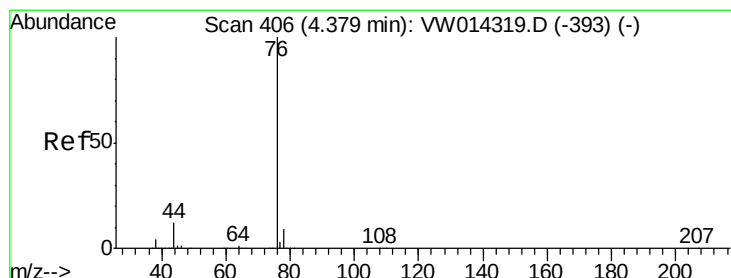
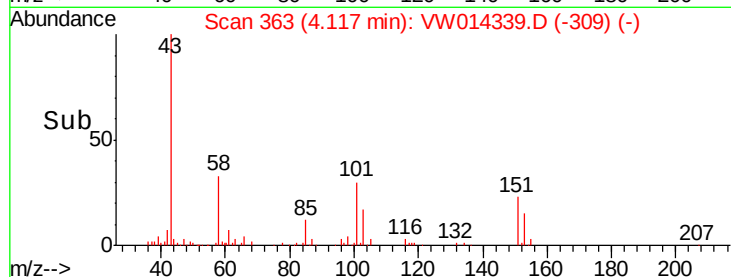
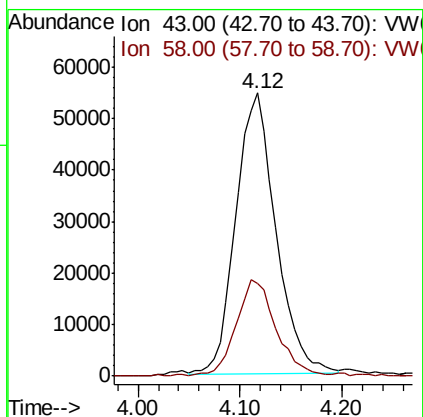
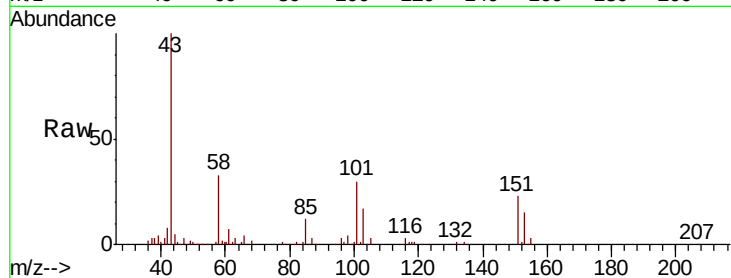
VSTD02517

Tot Ion: 43 Resp: 148096

Ion Ratio Lower Upper

43 100

58 34.3 0.0 65.4



#14

Carbon disulfide

Concen: 24.493 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW014339.D

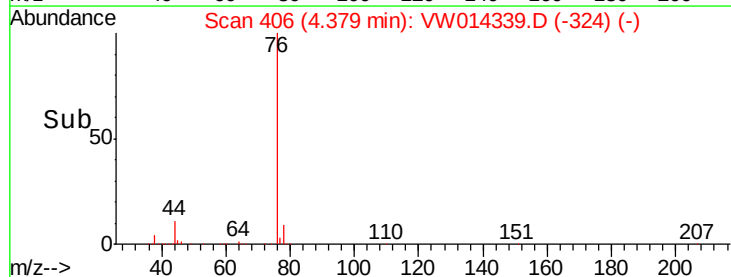
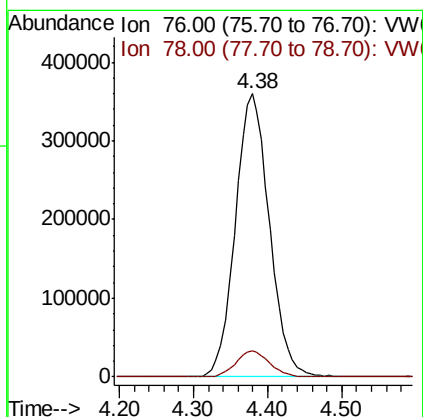
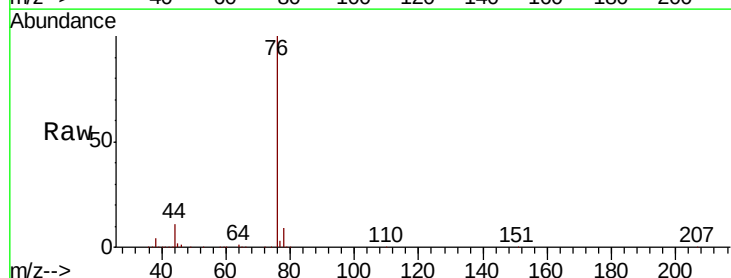
Acq: 12 Dec 2019 21:00

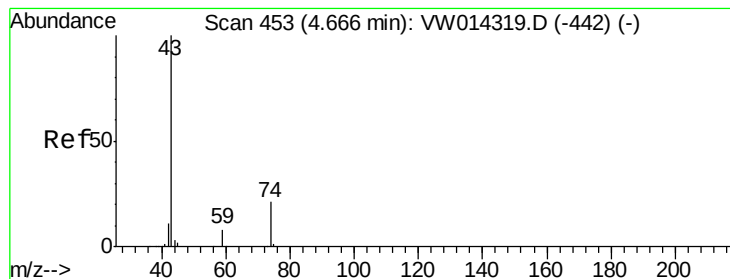
Tgt Ion: 76 Resp: 1151723

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8





#15

Methvl Acetate

Concen: 18.768 ug/L

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW014339.D

Acq: 12 Dec 2019 21:00

Instrument :

MSVOA_W

ClientSampleId :

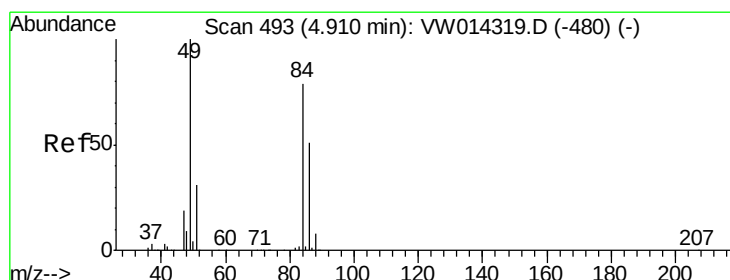
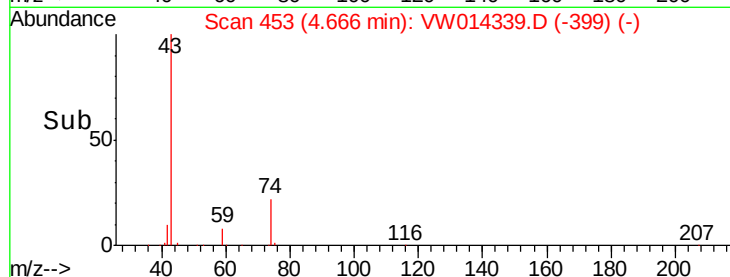
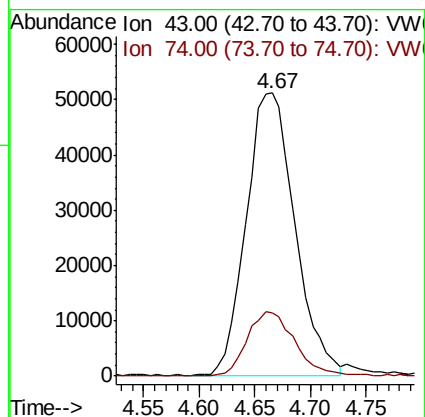
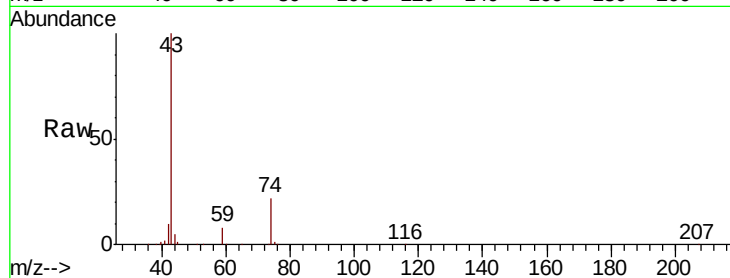
VSTD02517

Tot Ion: 43 Resp: 155069

Ion Ratio Lower Upper

43 100

74 22.4 19.3 28.9



#16

Methylene chloride

Concen: 23.393 ug/L

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW014339.D

Acq: 12 Dec 2019 21:00

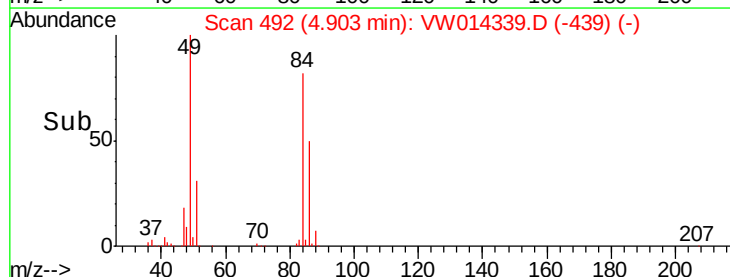
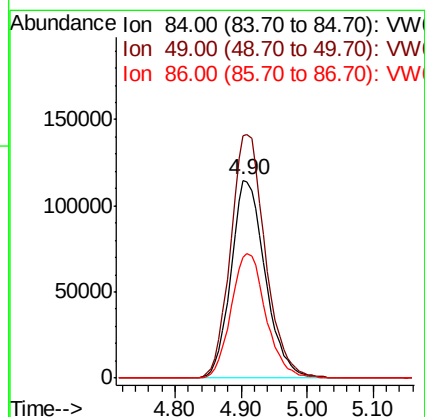
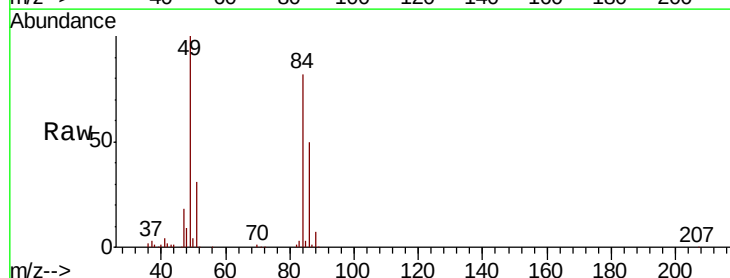
Tgt Ion: 84 Resp: 411743

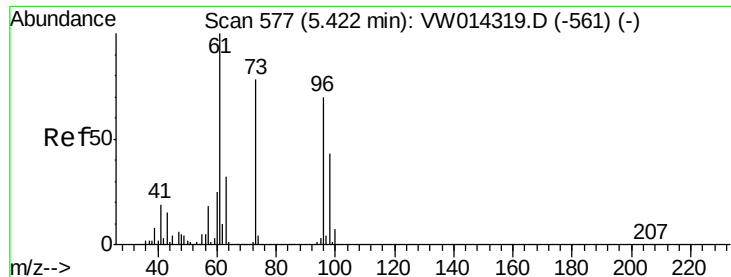
Ion Ratio Lower Upper

84 100

49 122.2 84.2 156.4

86 61.2 43.7 81.1

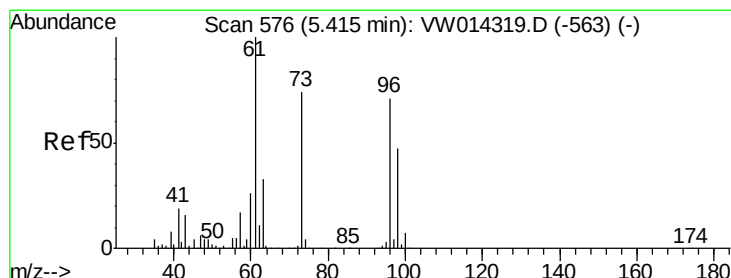
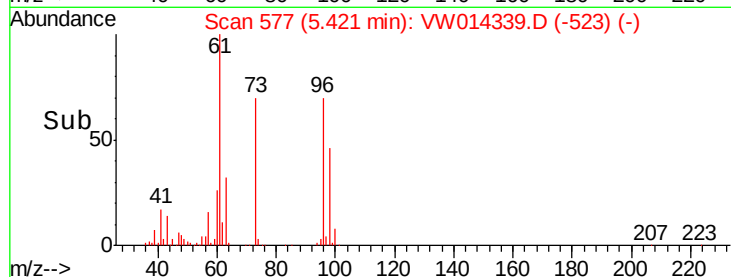
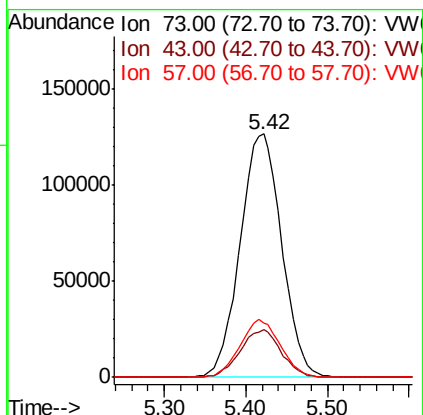
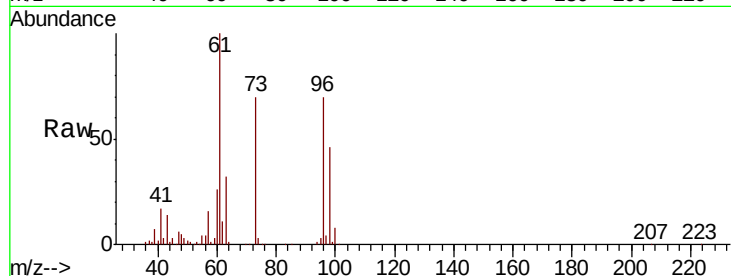




#17
Methyl tert-butyl Ether
Concen: 22.105 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW014339.D
Acq: 12 Dec 2019 21:00

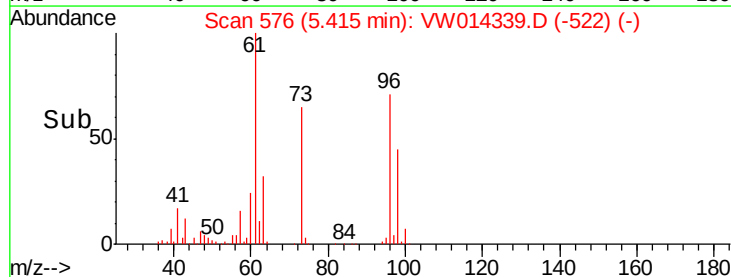
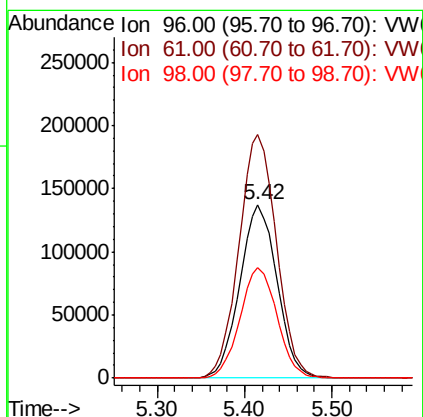
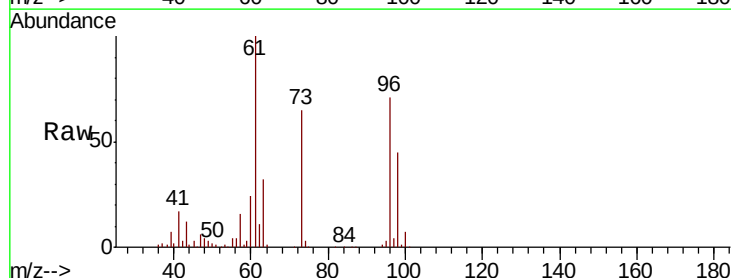
Instrument :
MSVOA_W
ClientSampleId :
VSTD02517

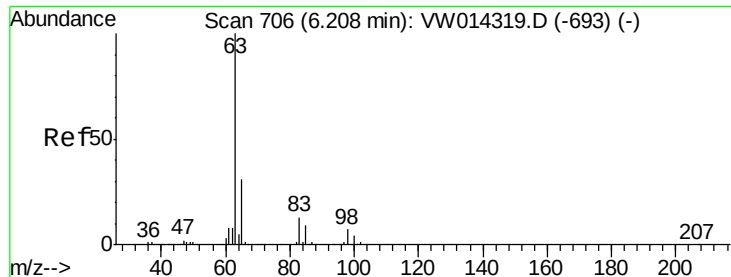
Tot Ion	73	Resp	446936
Ion Ratio	Lower	Upper	
73	100		
43	19.3	15.5	23.3
57	23.1	18.2	27.4



#18
trans-1,2-Dichloroethene
Concen: 24.801 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.00 min
Lab File: VW014339.D
Acq: 12 Dec 2019 21:00

Tgt Ion	96	Resp	407212
Ion Ratio	Lower	Upper	
96	100		
61	140.5	90.6	168.2
98	63.7	42.9	79.7

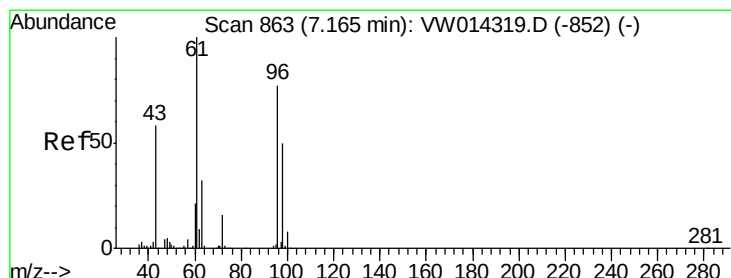
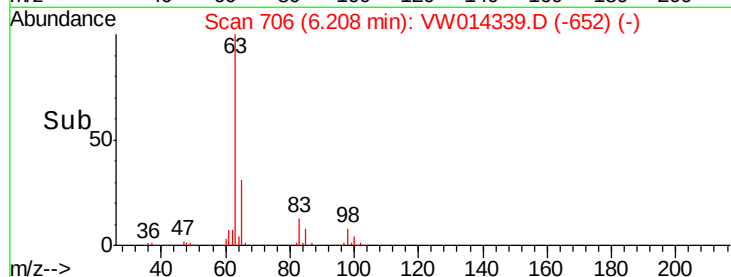
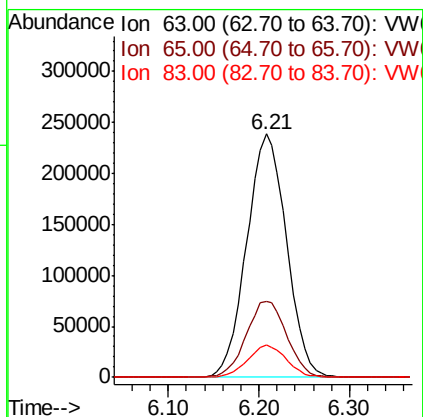
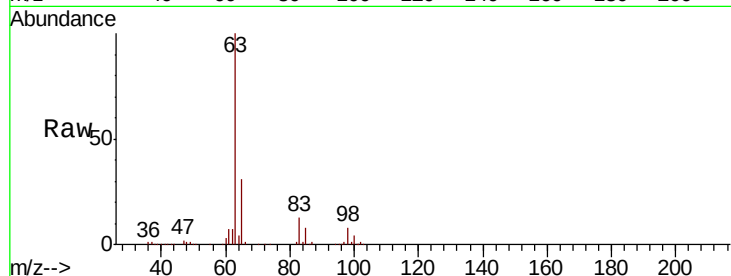




#19
 1,1-Dichloroethane
 Concen: 24.549 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. -0.00 min
 Lab File: VW014339.D
 Acq: 12 Dec 2019 21:00

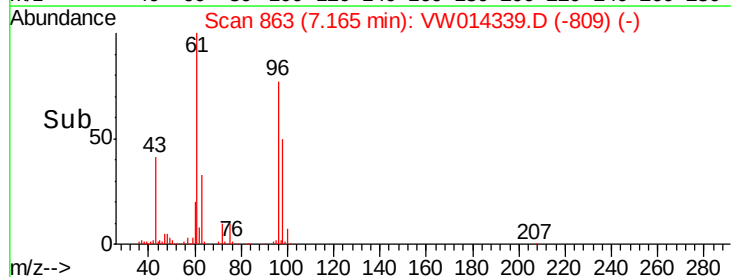
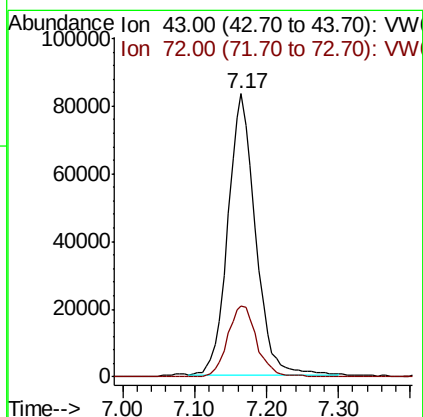
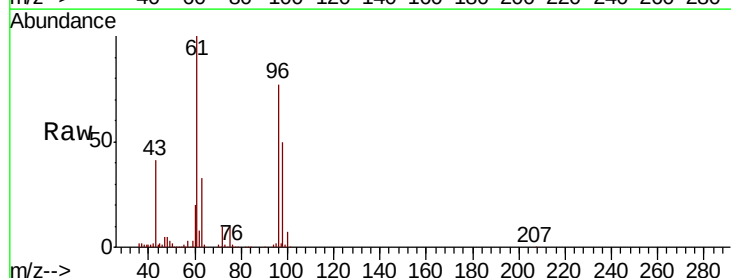
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02517

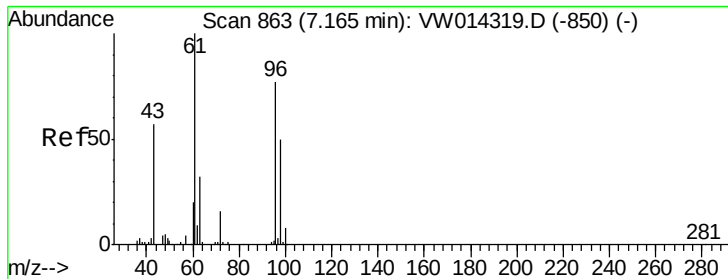
Tot Ion:	63	Resp:	724185
Ion	Ratio	Lower	Upper
63	100		
65	31.3	22.1	41.1
83	13.3	9.0	16.6



#21
 2-Butanone
 Concen: 37.786 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW014339.D
 Acq: 12 Dec 2019 21:00

Tgt Ion:	43	Resp:	221601
Ion	Ratio	Lower	Upper
43	100		
72	26.4	14.1	42.2



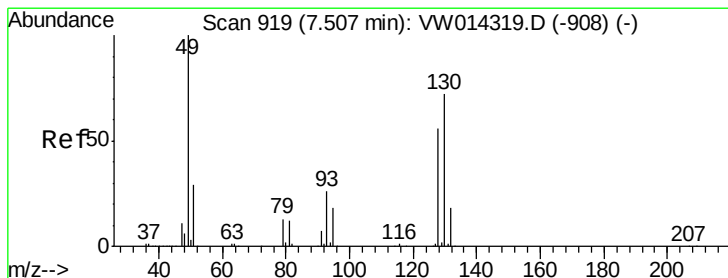
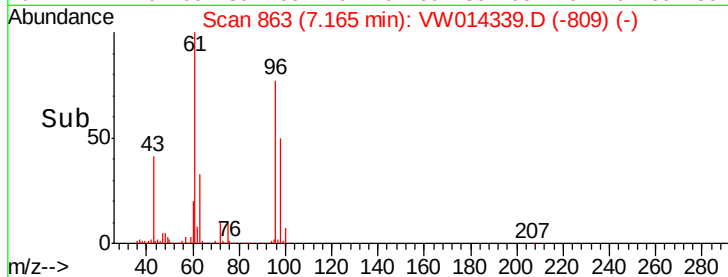
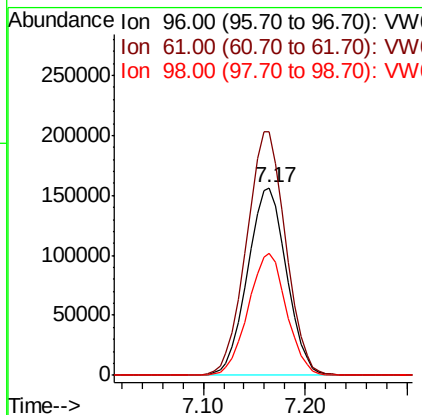
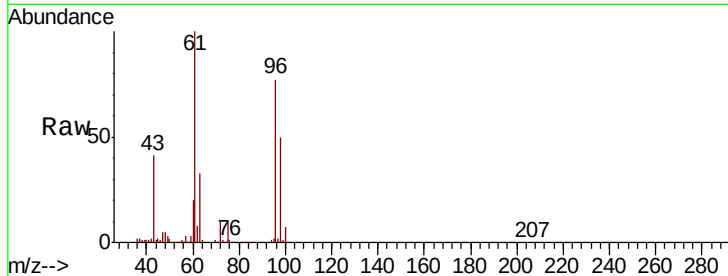


#22

cis-1,2-Dichloroethene
Concen: 23.850 ug/L
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW014339.D
Acq: 12 Dec 2019 21:00

Instrument :
MSVOA_W
ClientSampleId :
VSTD02517

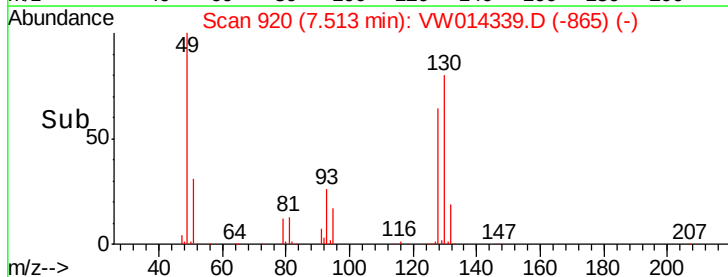
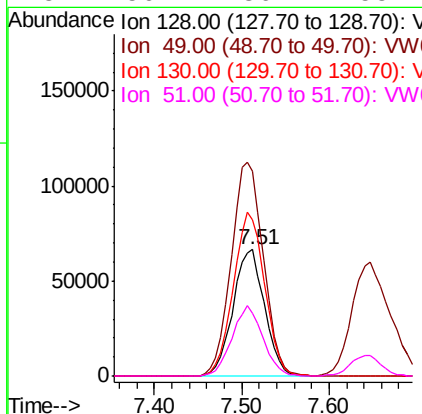
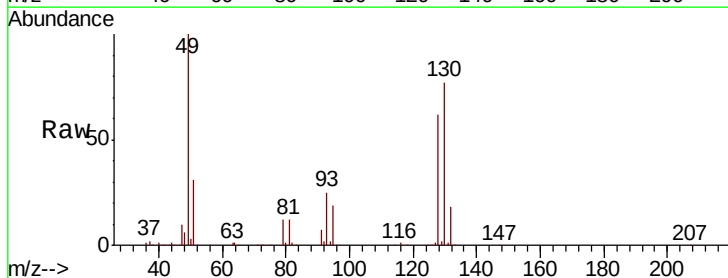
Tot Ion: 96 Resp: 416680
Ion Ratio Lower Upper
96 100
61 129.7 86.9 161.5
98 64.9 45.5 84.5

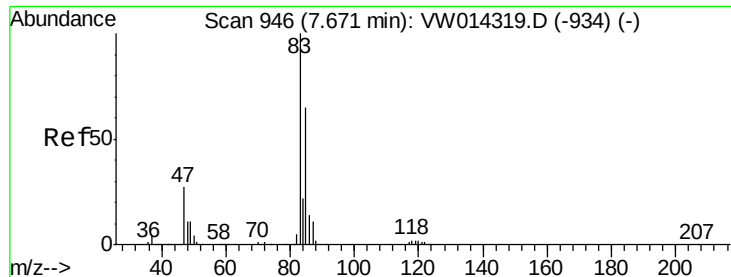


#23

Bromochloromethane
Concen: 20.723 ug/L
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW014339.D
Acq: 12 Dec 2019 21:00

Tgt Ion: 128 Resp: 166541
Ion Ratio Lower Upper
128 100
49 161.9 95.1 176.5
130 123.9 85.0 158.0
51 50.1 36.7 55.1

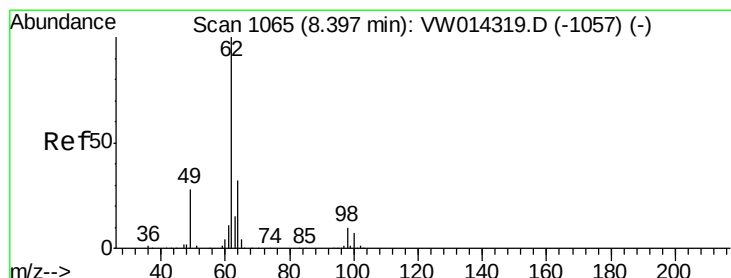
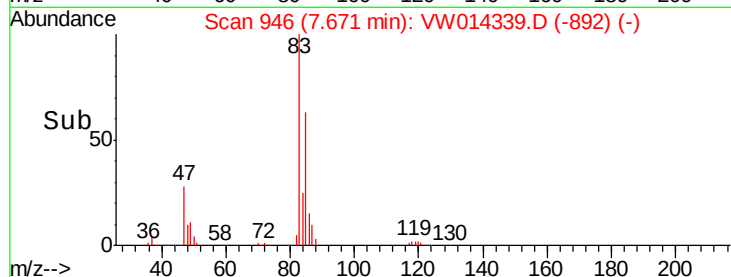
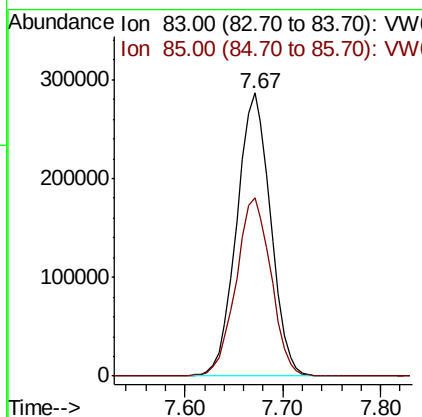
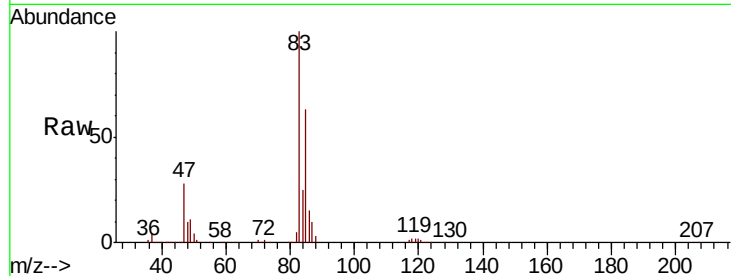




#25
Chloroform
Concen: 23.979 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW014339.D
Acq: 12 Dec 2019 21:00

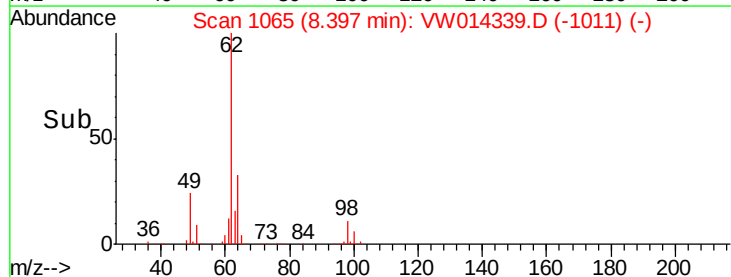
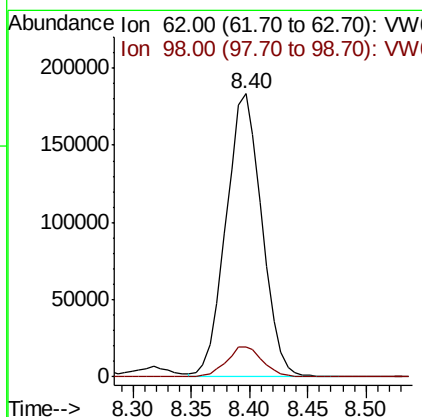
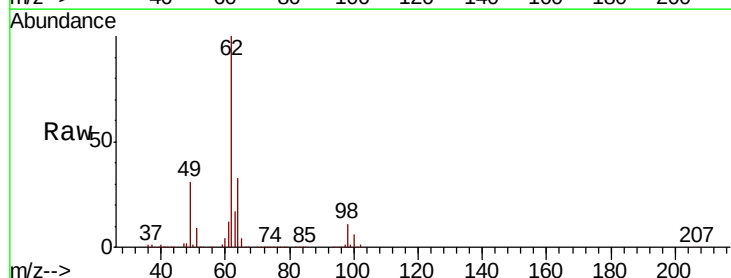
Instrument :
MSVOA_W
ClientSampleId :
VSTD02517

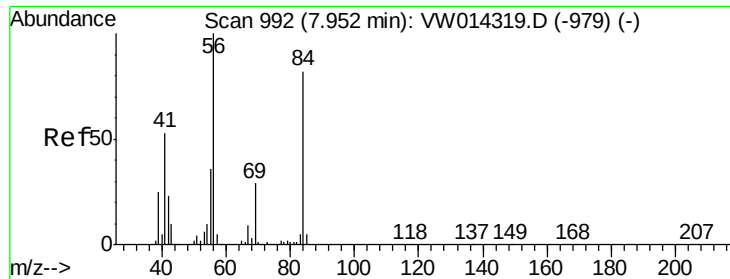
Tot Ion: 83 Resp: 687392
Ion Ratio Lower Upper
83 100
85 65.1 46.1 85.7



#27
1,2-Dichloroethane
Concen: 20.902 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW014339.D
Acq: 12 Dec 2019 21:00

Tgt Ion: 62 Resp: 392361
Ion Ratio Lower Upper
62 100
98 10.7 9.3 13.9

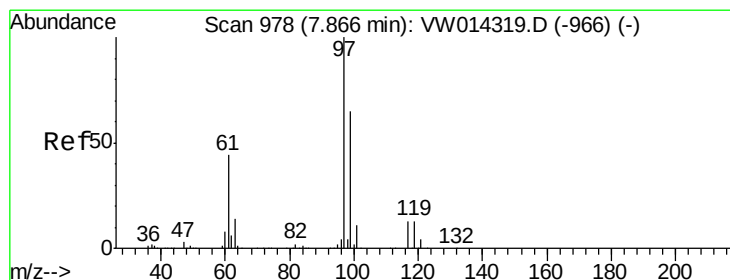
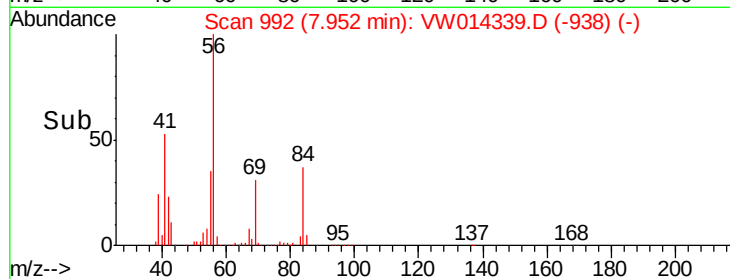
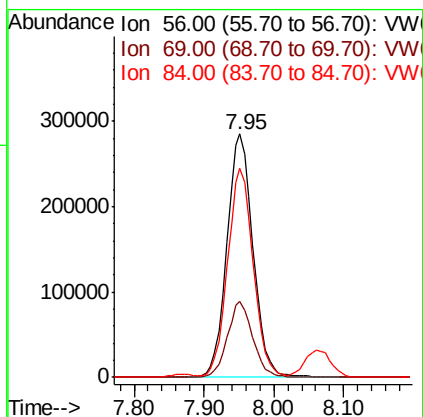
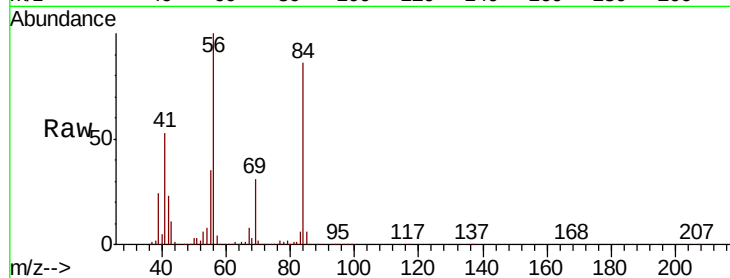




#30
Cyclohexane
Concen: 30.605 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW014339.D
Acq: 12 Dec 2019 21:00

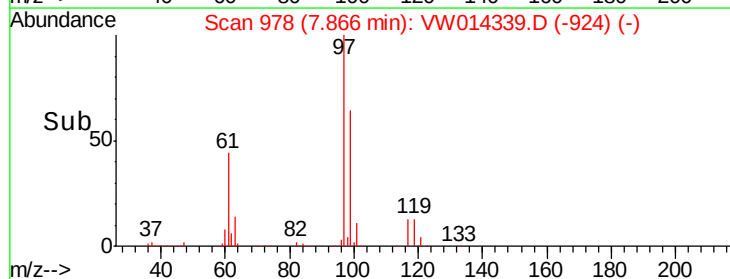
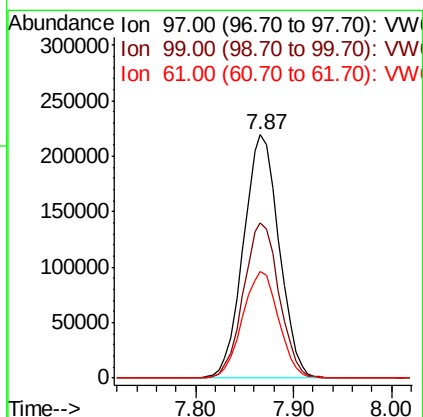
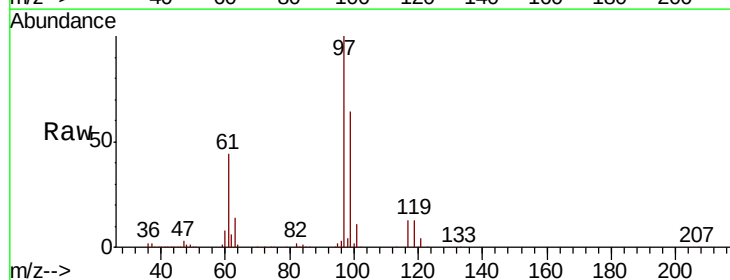
Instrument :
MSVOA_W
ClientSampleId :
VSTD02517

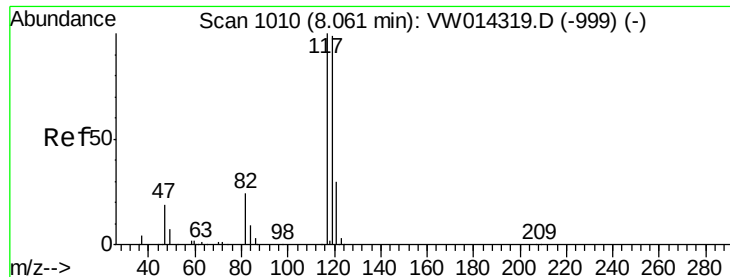
Tot Ion: 56 Resp: 738602
Ion Ratio Lower Upper
56 100
69 30.1 24.6 37.0
84 84.5 70.2 105.2



#31
1,1,1-Trichloroethane
Concen: 28.544 ug/L
RT: 7.87 min Scan# 978
Delta R.T. -0.00 min
Lab File: VW014339.D
Acq: 12 Dec 2019 21:00

Tgt Ion: 97 Resp: 554270
Ion Ratio Lower Upper
97 100
99 63.9 51.1 76.7
61 44.4 32.8 49.2





#32

Carbon tetrachloride

Concen: 27.937 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VW014339.D

Acq: 12 Dec 2019 21:00

Instrument :

MSVOA_W

ClientSampleId :

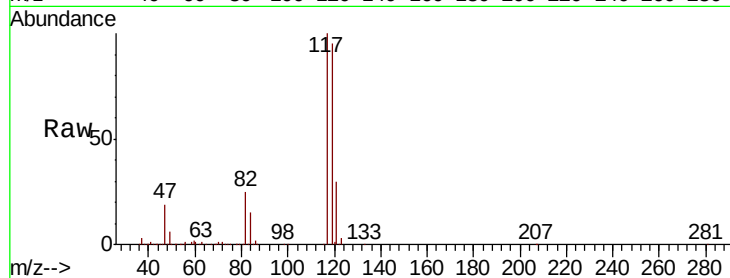
VSTD02517

Tot Ion:117 Resp: 514719

Ion Ratio Lower Upper

117 100

119 96.2 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.06

200000

150000

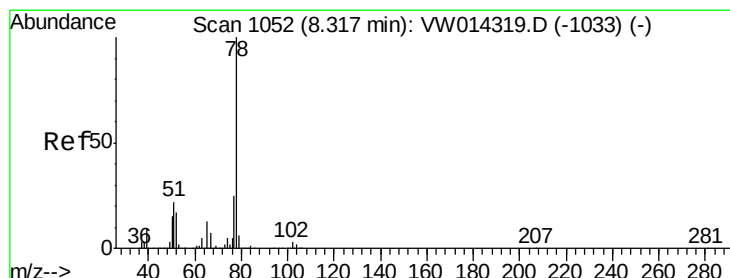
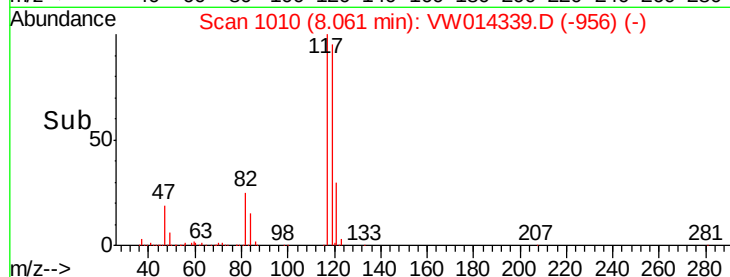
100000

50000

0

8.00 8.10 8.20

Time-->



#34

Benzene

Concen: 26.738 ug/L

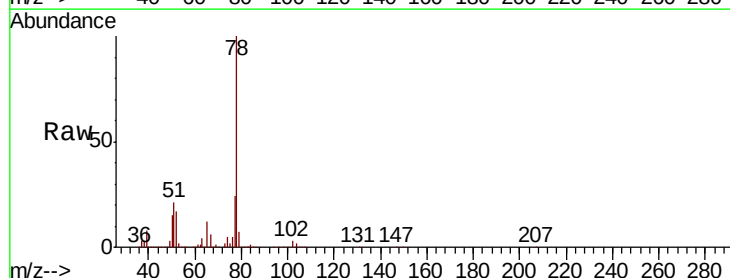
RT: 8.32 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VW014339.D

Acq: 12 Dec 2019 21:00

Tgt Ion: 78 Resp: 1636932



Abundance Ion 78.00 (77.70 to 78.70): VW

800000

600000

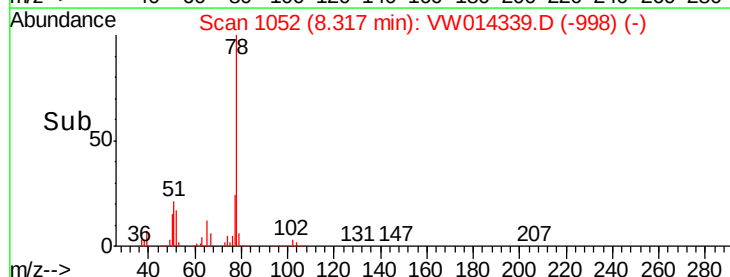
400000

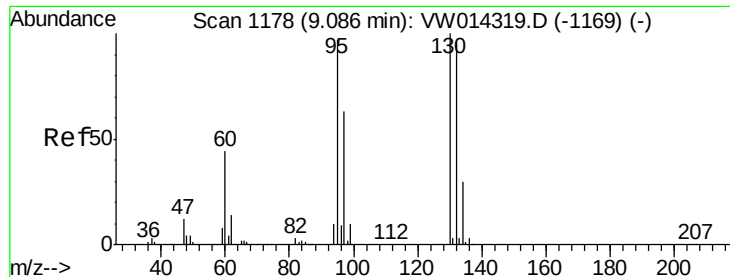
200000

0

8.20 8.30 8.40

Time-->





#35

Trichloroethene

Concen: 26.808 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VW014339.D

Acq: 12 Dec 2019 21:00

Instrument :

MSVOA_W

ClientSampleId :

VSTD02517

Tot Ion: 95 Resp: 419914

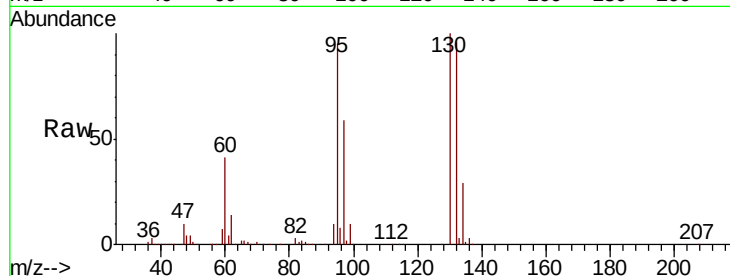
Ion Ratio Lower Upper

95 100

97 64.0 45.1 83.9

132 100.6 73.7 136.9

130 104.6 76.6 142.2

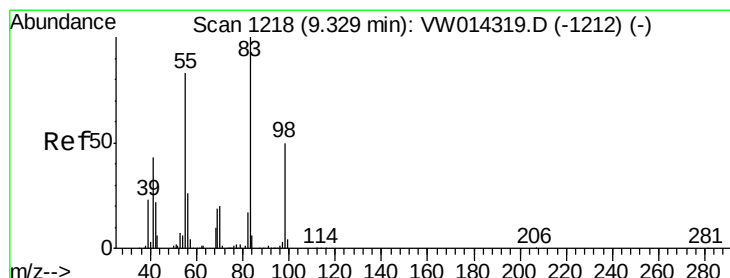
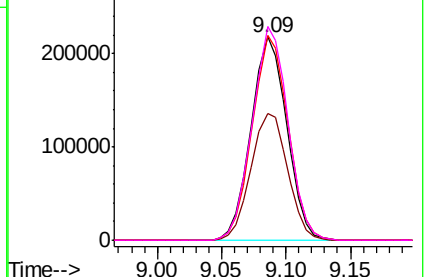
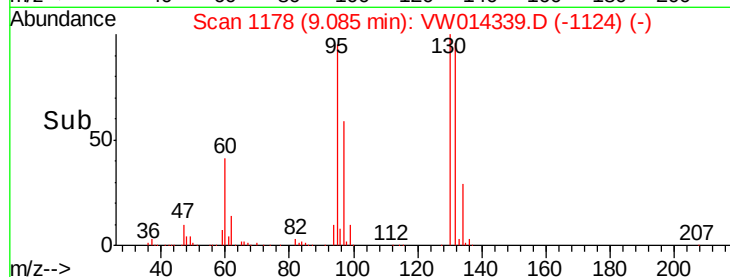


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 29.543 ug/L

RT: 9.33 min Scan# 1218

Delta R.T. -0.00 min

Lab File: VW014339.D

Acq: 12 Dec 2019 21:00

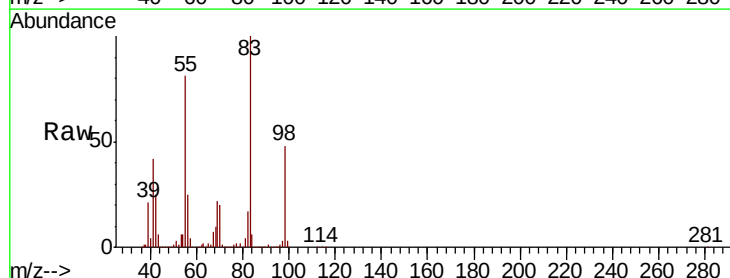
Tgt Ion: 83 Resp: 777612

Ion Ratio Lower Upper

83 100

55 79.4 59.8 89.8

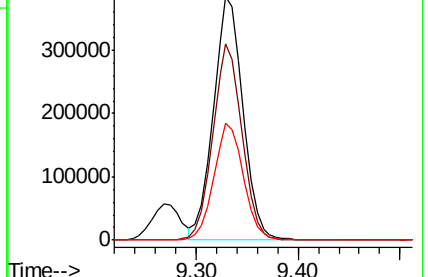
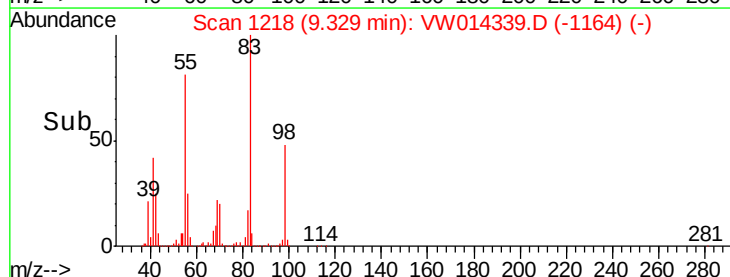
98 48.0 39.5 59.3

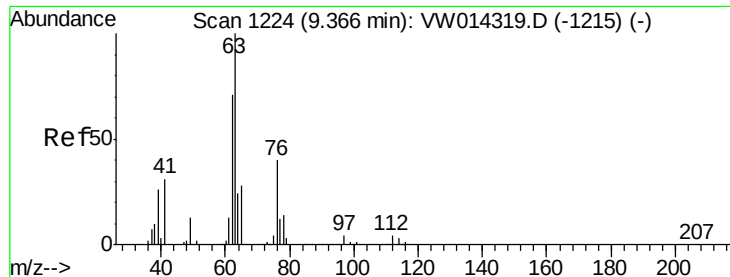


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 25.094 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW014339.D

Acq: 12 Dec 2019 21:00

Instrument :

MSVOA_W

ClientSampleId :

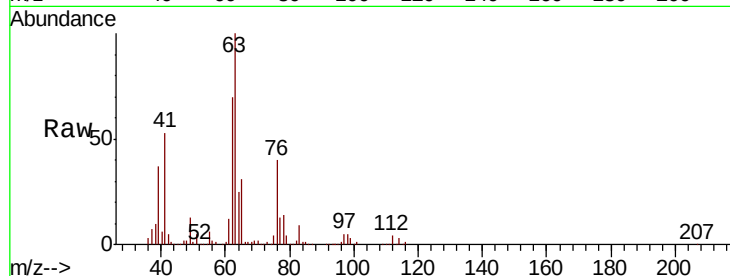
VSTD02517

Tot Ion: 63 Resp: 394676

Ion Ratio Lower Upper

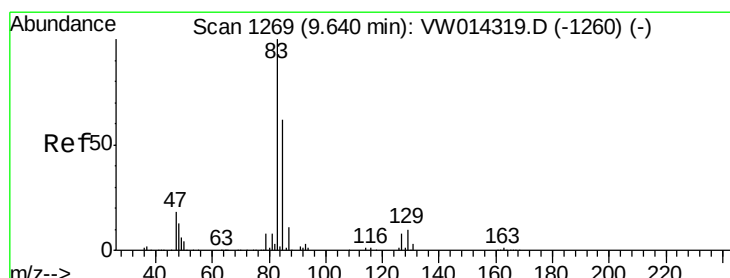
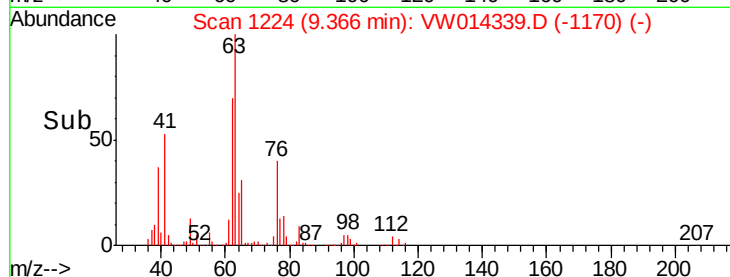
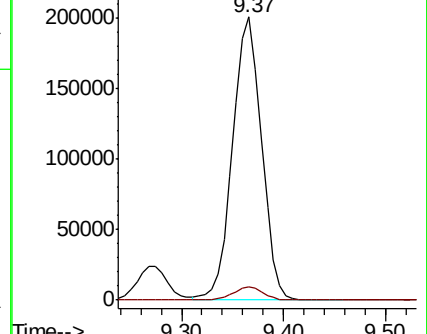
63 100

112 4.8 3.9 5.9



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 23.970 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW014339.D

Acq: 12 Dec 2019 21:00

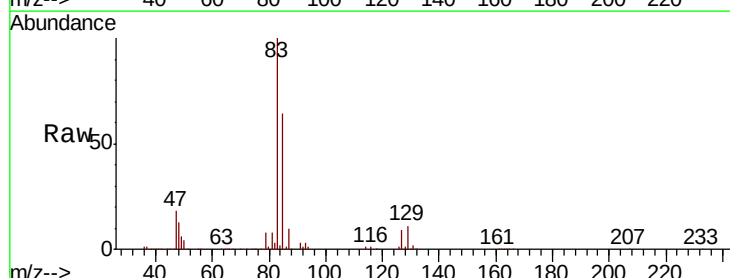
Tgt Ion: 83 Resp: 458160

Ion Ratio Lower Upper

83 100

85 64.5 45.1 83.7

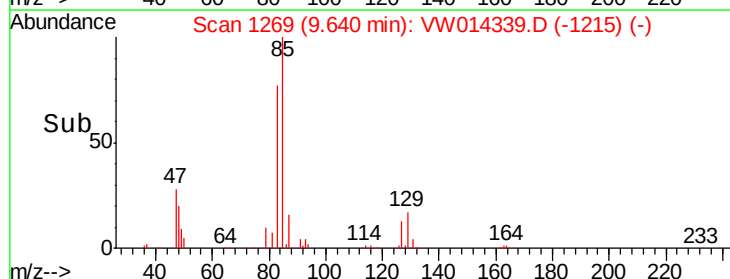
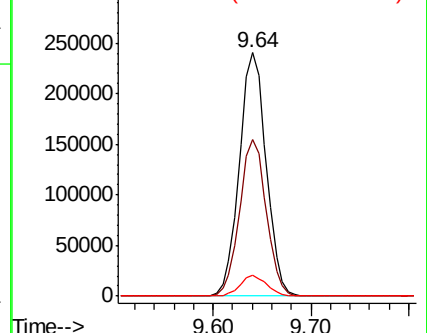
127 8.5 7.4 11.0

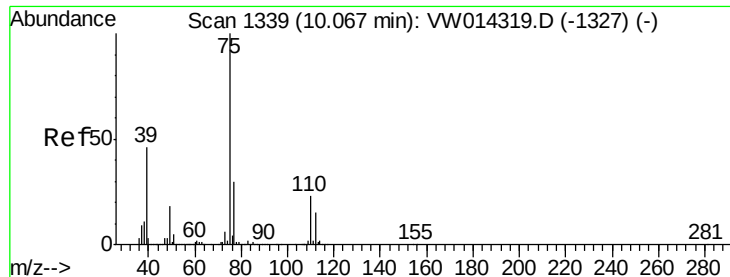


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 24.087 ug/L

RT: 10.07 min Scan# 1339

Delta R.T. -0.00 min

Lab File: VW014339.D

Acq: 12 Dec 2019 21:00

Instrument :

MSVOA_W

ClientSampleId :

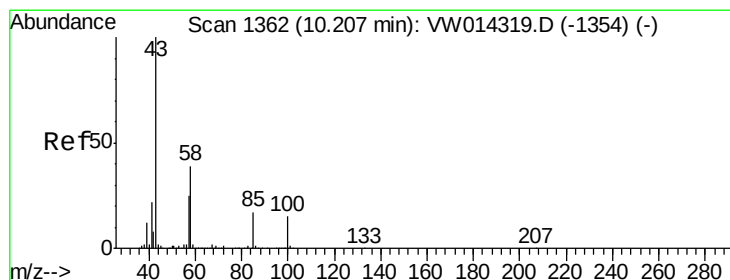
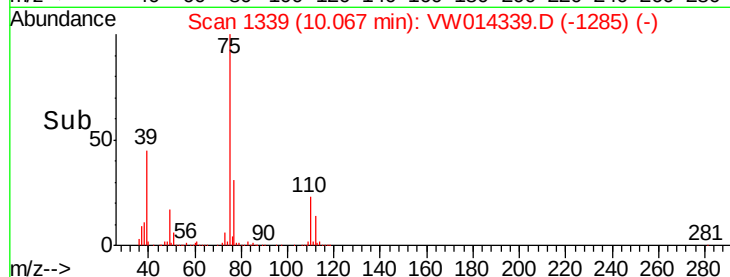
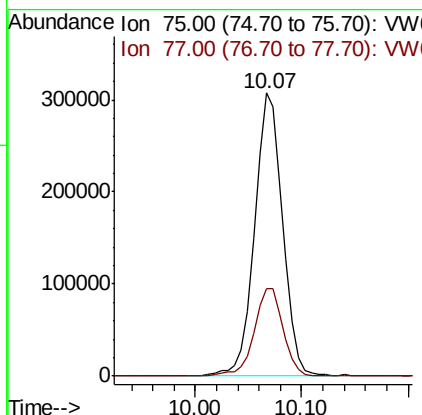
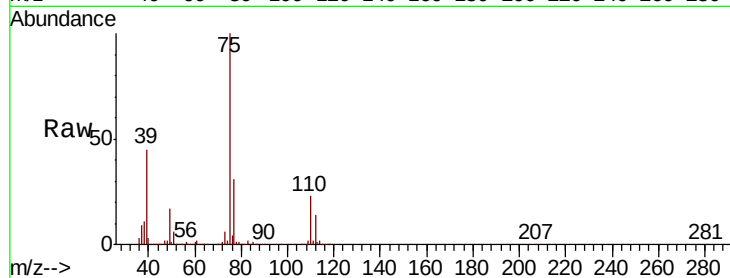
VSTD02517

Tot Ion: 75 Resp: 567330

Ion Ratio Lower Upper

75 100

77 30.8 22.1 41.1



#43

4-Methyl-2-pentanone

Concen: 44.273 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW014339.D

Acq: 12 Dec 2019 21:00

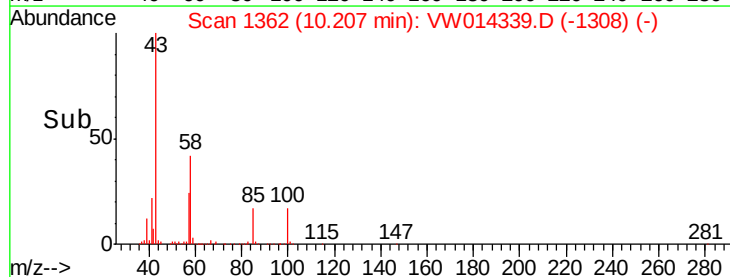
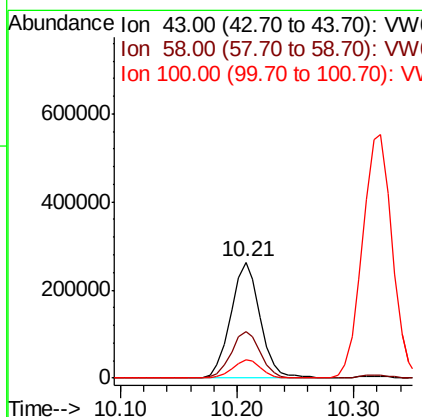
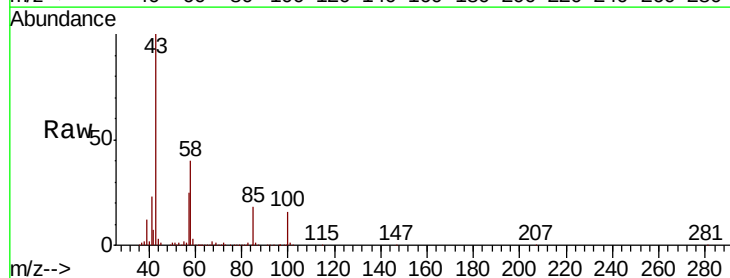
Tgt Ion: 43 Resp: 459162

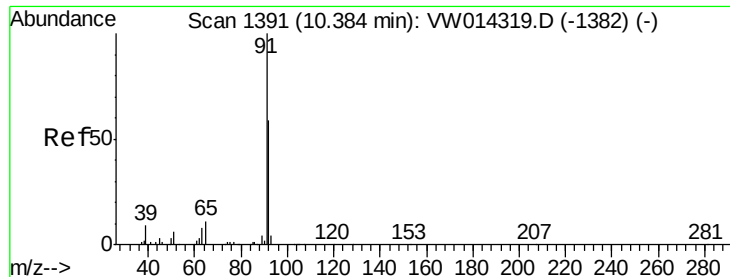
Ion Ratio Lower Upper

43 100

58 40.4 32.6 49.0

100 15.3 13.8 20.8





#44

Toluene

Concen: 26.867 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW014339.D

Acq: 12 Dec 2019 21:00

Instrument :

MSVOA_W

ClientSampleId :

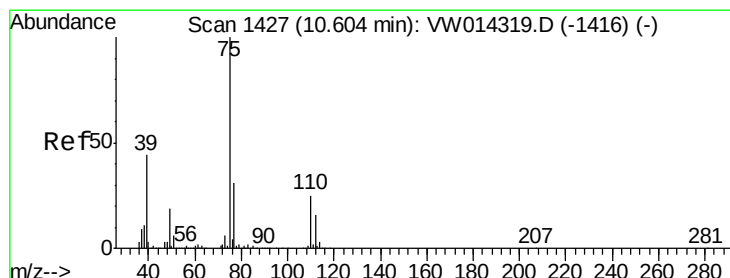
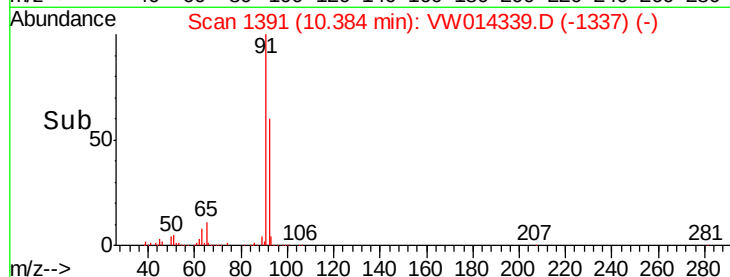
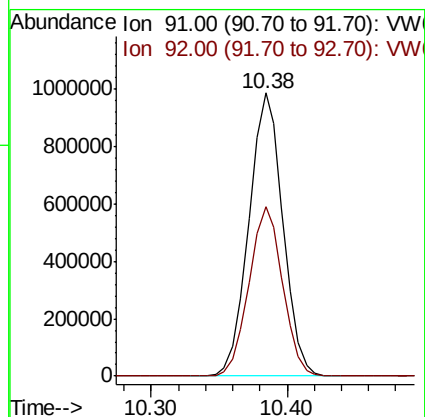
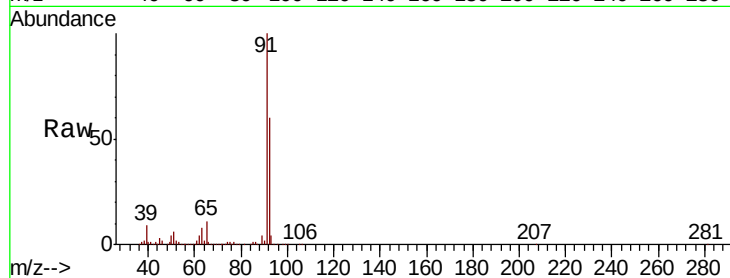
VSTD02517

Tot Ion: 91 Resp: 1724431

Ion Ratio Lower Upper

91 100

92 60.0 40.7 75.7



#45

trans-1,3-Dichloropropene

Concen: 22.732 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW014339.D

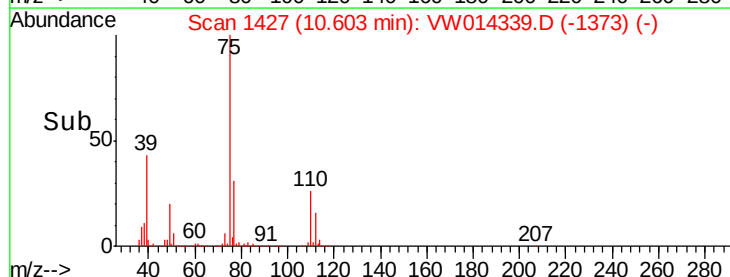
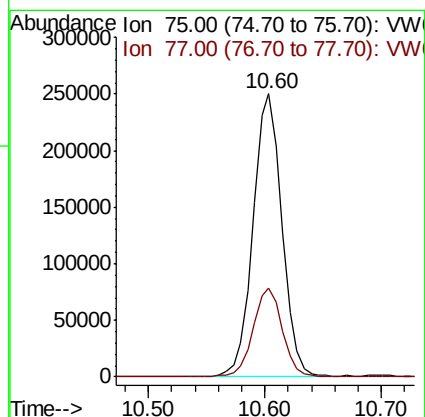
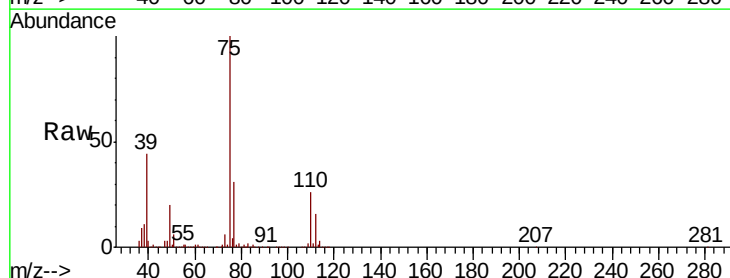
Acq: 12 Dec 2019 21:00

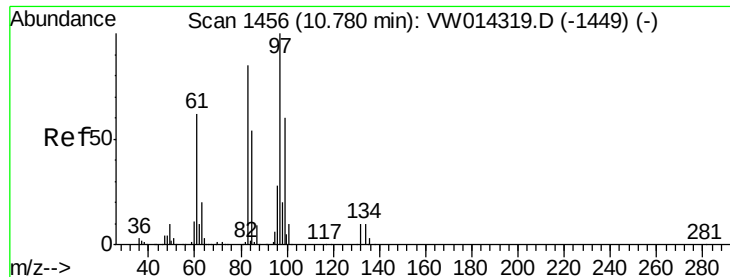
Tgt Ion: 75 Resp: 433399

Ion Ratio Lower Upper

75 100

77 31.2 21.8 40.6

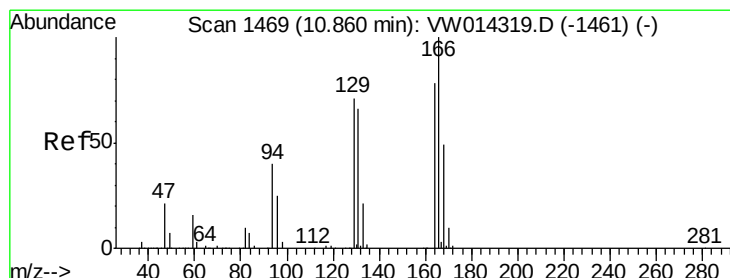
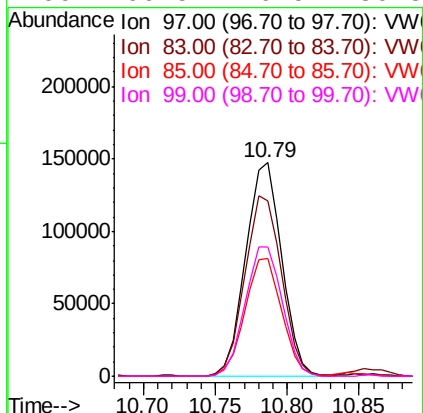
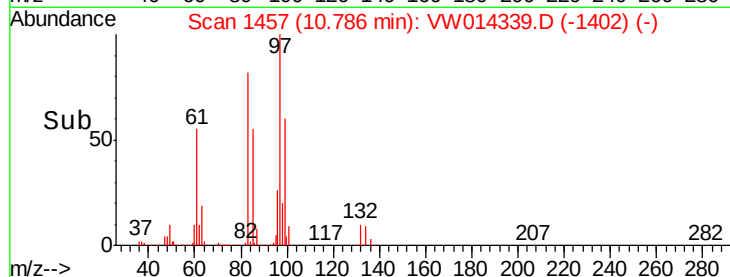
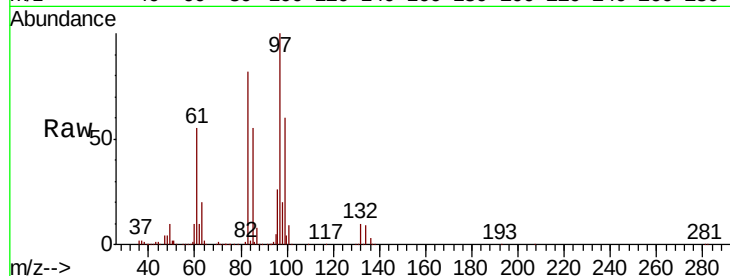




#46
 1,1,2-Trichloroethane
 Concen: 21.730 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.01 min
 Lab File: VW014339.D
 Acq: 12 Dec 2019 21:00

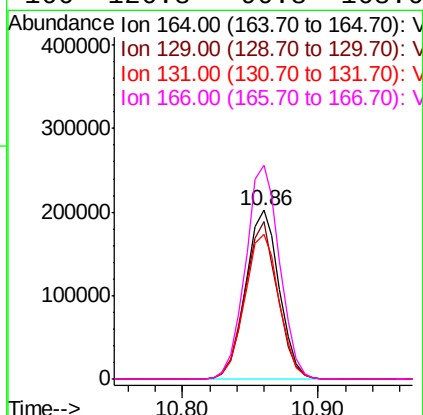
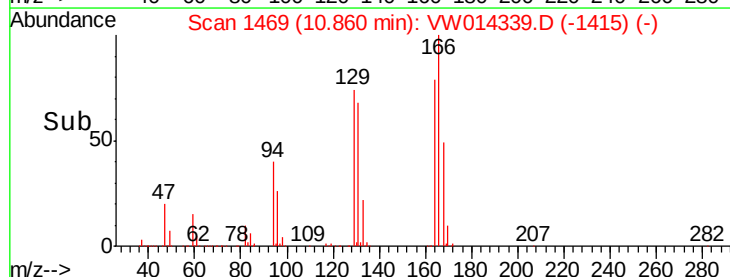
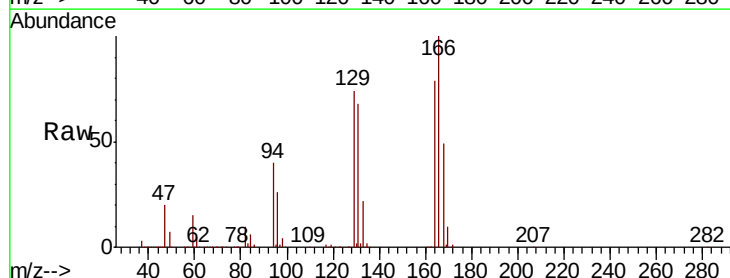
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02517

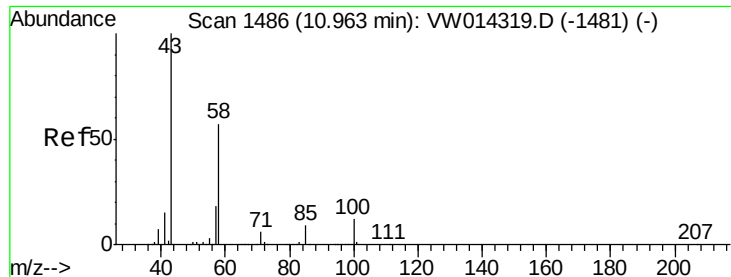
Tot Ion:	97	Resp:	256100
Ion	Ratio	Lower	Upper
97	100		
83	82.1	58.9	109.5
85	54.9	38.1	70.9
99	60.5	46.5	86.3



#47
 Tetrachloroethene
 Concen: 26.685 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VW014339.D
 Acq: 12 Dec 2019 21:00

Tgt Ion:	164	Resp:	348389
Ion	Ratio	Lower	Upper
164	100		
129	93.3	60.6	112.6
131	86.1	59.1	109.7
166	126.8	90.8	168.6

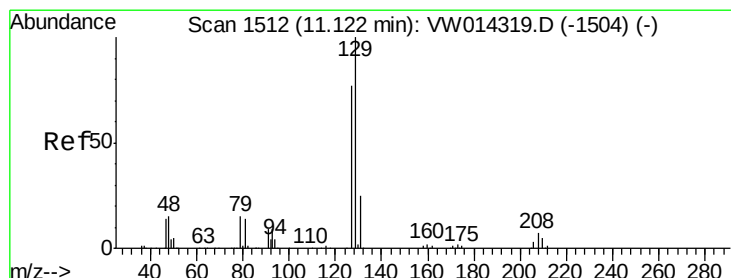
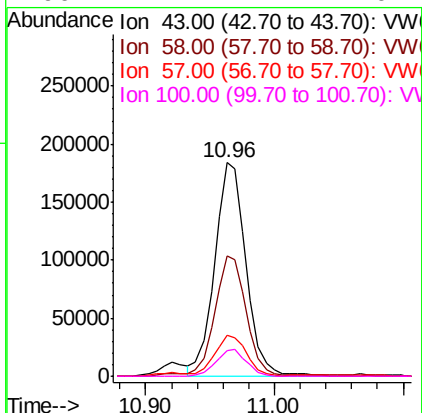
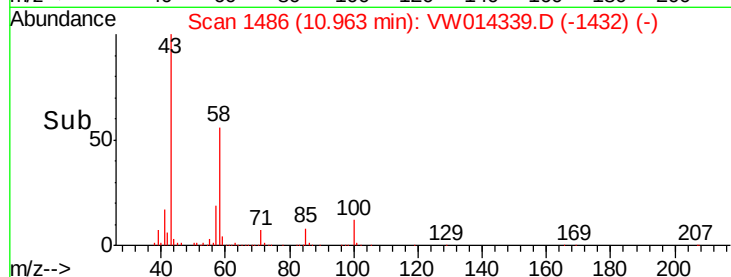
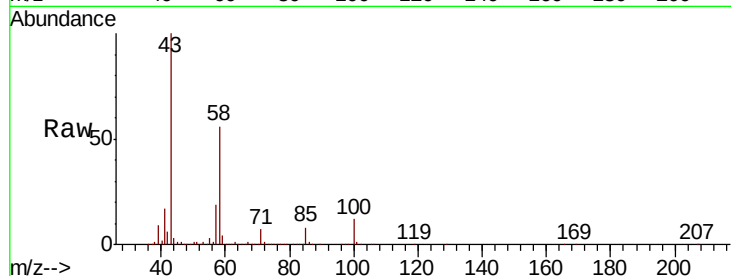




#49
2-Hexanone
Concen: 42.459 ug/L
RT: 10.96 min Scan# 1486
Delta R.T. -0.00 min
Lab File: VW014339.D
Acq: 12 Dec 2019 21:00

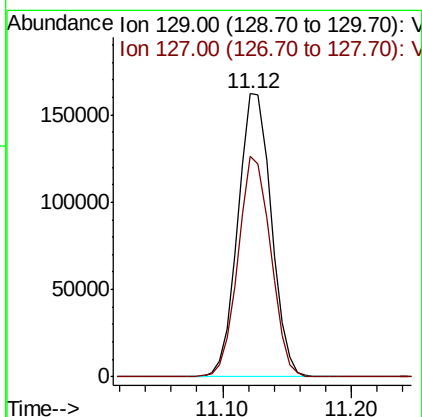
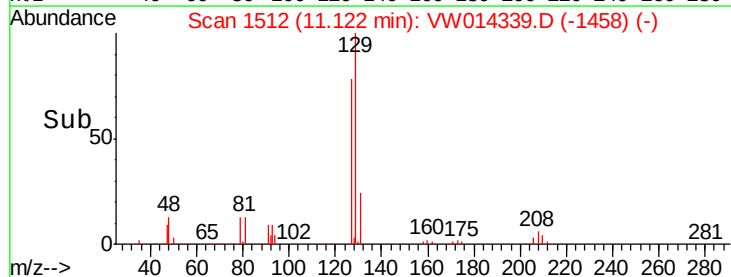
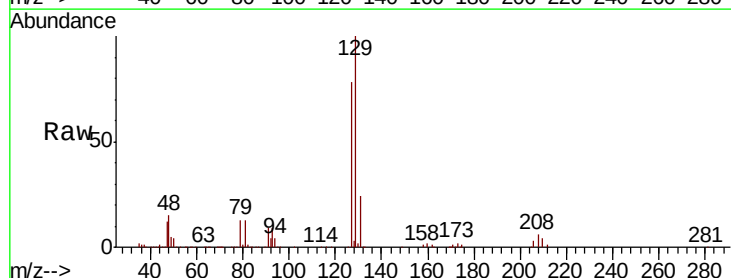
Instrument :
MSVOA_W
ClientSampled :
VSTD02517

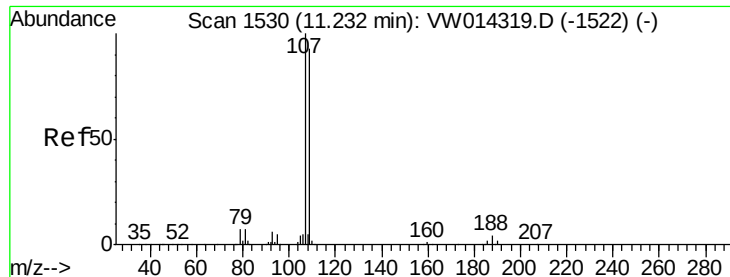
Tot Ion: 43 Resp: 313504
Ion Ratio Lower Upper
43 100
58 55.4 44.4 66.6
57 19.6 16.5 24.7
100 12.1 11.1 16.7



#50
Dibromochloromethane
Concen: 21.958 ug/L
RT: 11.12 min Scan# 1512
Delta R.T. -0.00 min
Lab File: VW014339.D
Acq: 12 Dec 2019 21:00

Tgt Ion: 129 Resp: 290449
Ion Ratio Lower Upper
129 100
127 78.0 54.9 102.1

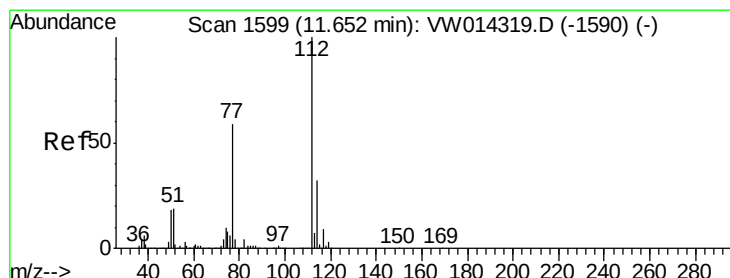
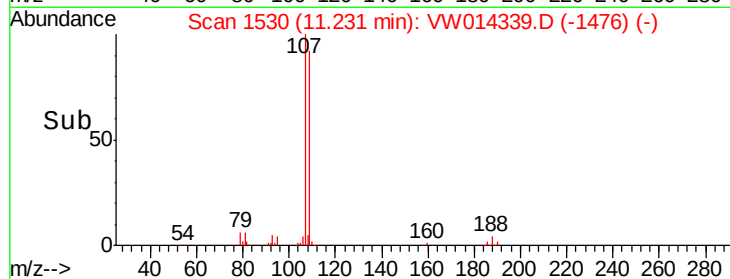
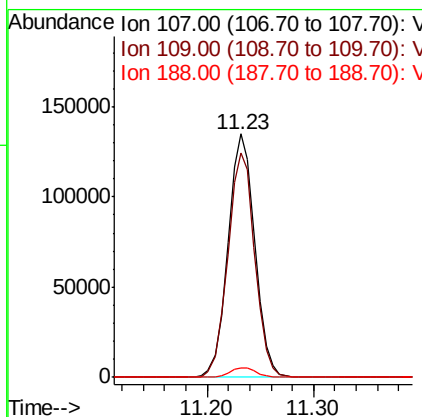
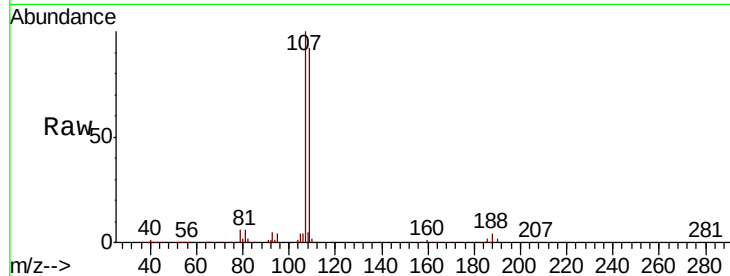




#51
1,2-Dibromoethane
Concen: 21.308 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VW014339.D
Acq: 12 Dec 2019 21:00

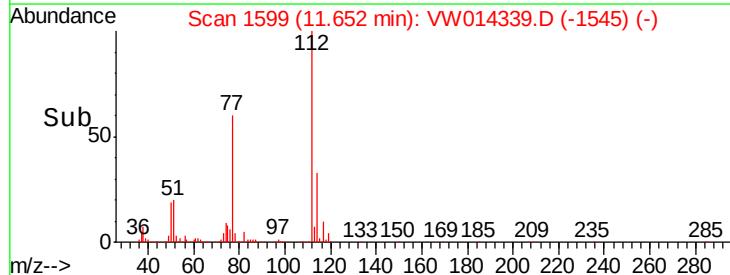
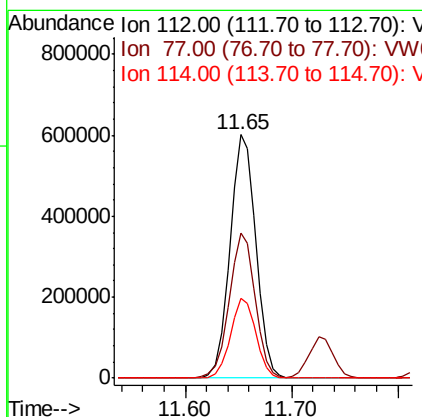
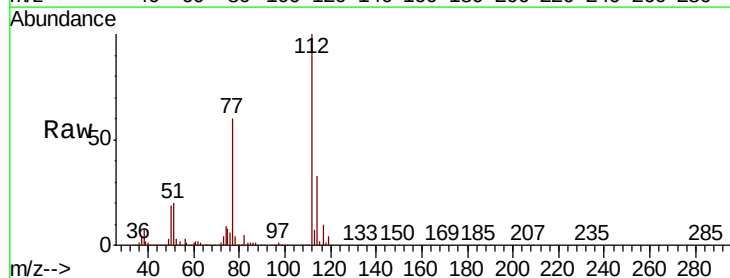
Instrument :
MSVOA_W
ClientSampleId :
VSTD02517

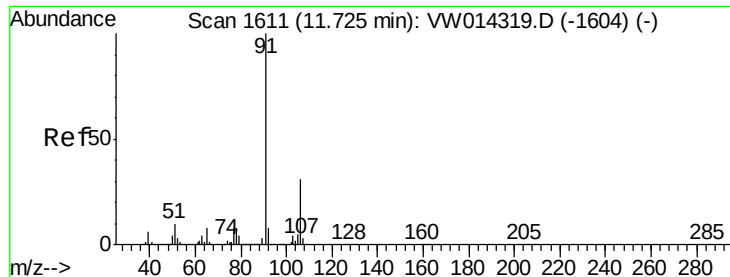
Tot Ion	Ratio	Lower	Upper
107	100		
109	92.1	64.6	120.0
188	3.9	3.9	5.9



#52
Chlorobenzene
Concen: 24.657 ug/L
RT: 11.65 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VW014339.D
Acq: 12 Dec 2019 21:00

Tgt Ion	Ratio	Lower	Upper
112	100		
77	59.6	42.2	63.4
114	32.7	22.5	41.9





#53

Ethylbenzene

Concen: 27.193 ug/L

RT: 11.73 min Scan# 1611

Delta R.T. -0.00 min

Lab File: VW014339.D

Acq: 12 Dec 2019 21:00

Instrument :

MSVOA_W

ClientSampleId :

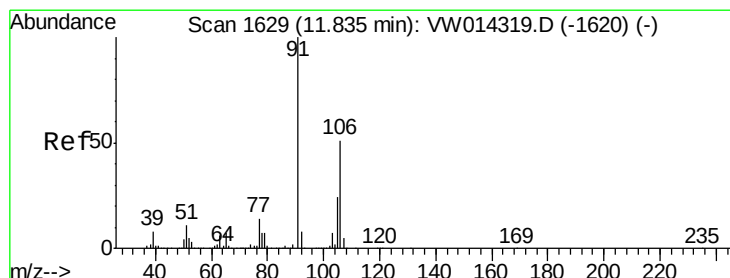
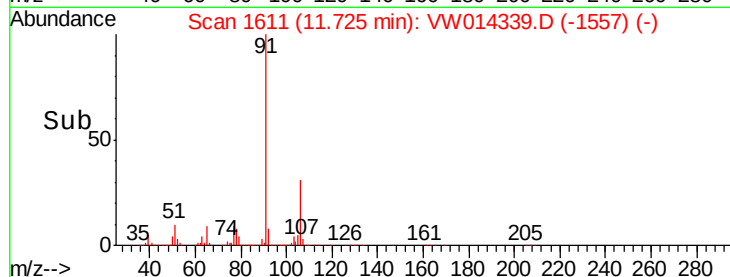
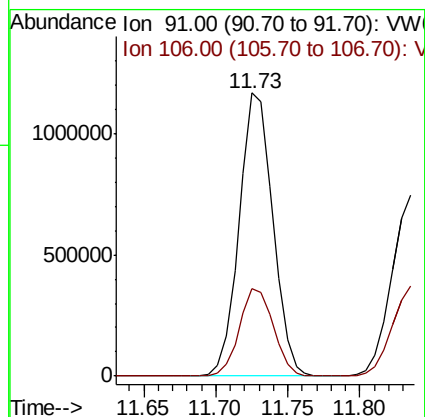
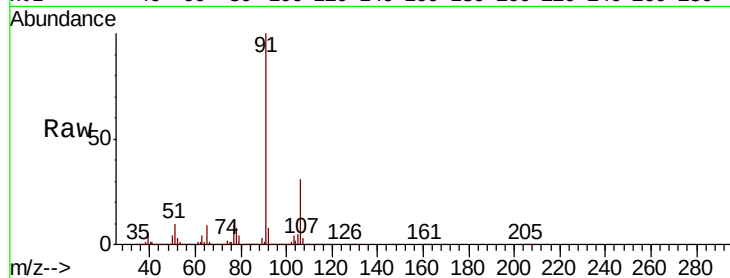
VSTD02517

Tot Ion: 91 Resp: 1893803

Ion Ratio Lower Upper

91 100

106 31.1 22.3 41.5



#54

m,p-Xylene

Concen: 26.920 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VW014339.D

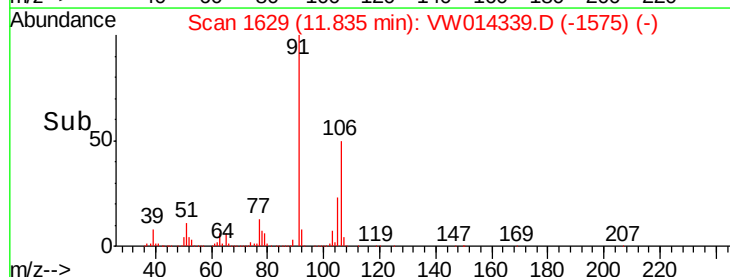
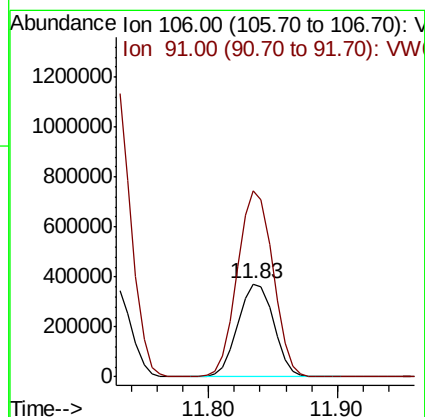
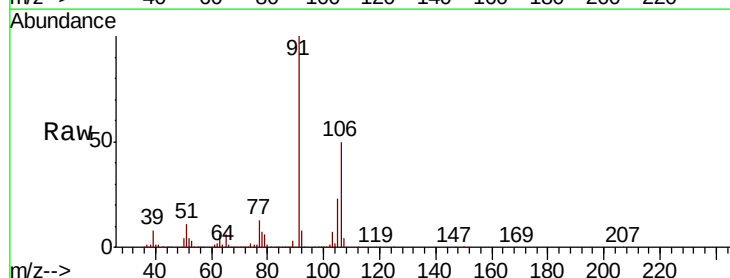
Acq: 12 Dec 2019 21:00

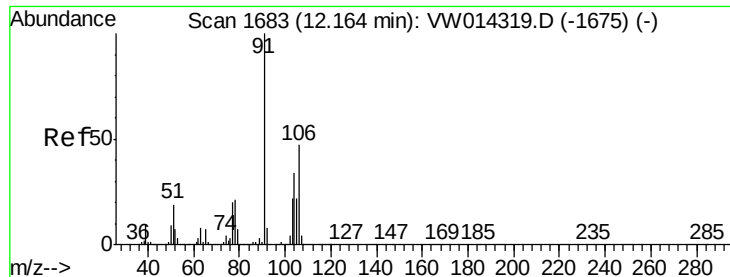
Tgt Ion:106 Resp: 721175

Ion Ratio Lower Upper

106 100

91 200.1 138.7 257.5





#55

o-xylene

Concen: 26.105 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW014339.D

Acq: 12 Dec 2019 21:00

Instrument :

MSVOA_W

ClientSampleId :

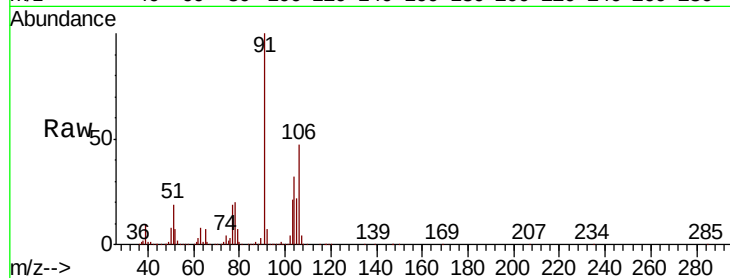
VSTD02517

Tot Ion:106 Resp: 663340

Ion Ratio Lower Upper

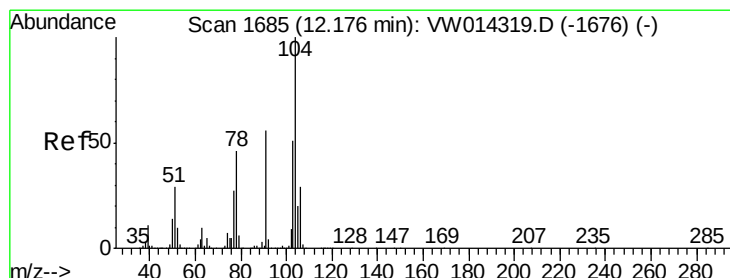
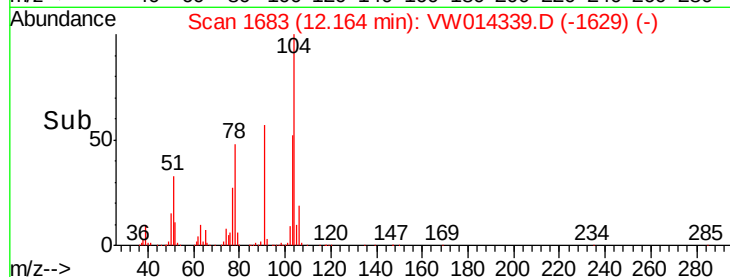
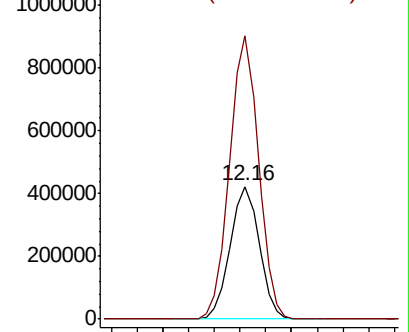
106 100

91 212.9 148.3 275.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 25.566 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VW014339.D

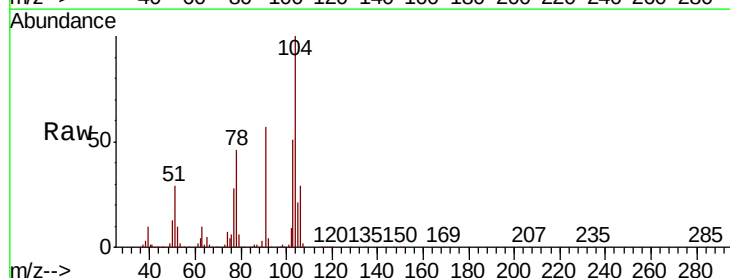
Acq: 12 Dec 2019 21:00

Tgt Ion:104 Resp: 1111357

Ion Ratio Lower Upper

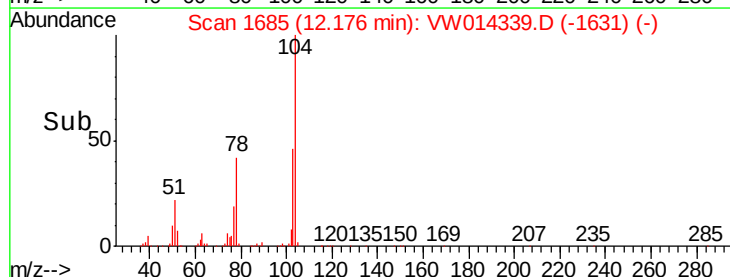
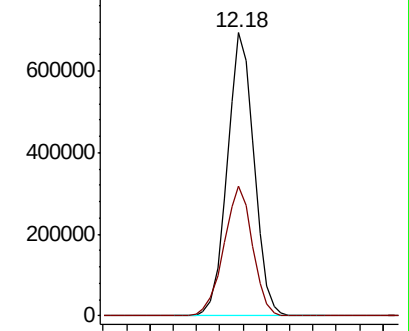
104 100

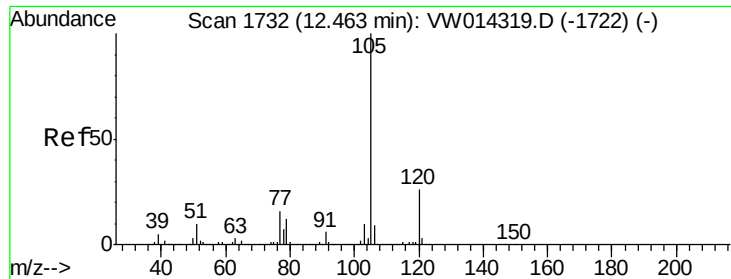
78 46.1 30.6 56.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 27.885 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW014339.D

Acq: 12 Dec 2019 21:00

Instrument :

MSVOA_W

ClientSampleId :

VSTD02517

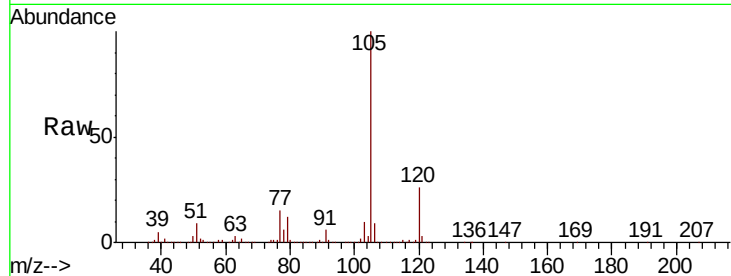
Tot Ion:105 Resp: 1839562

Ion Ratio Lower Upper

105 100

120 26.4 21.6 32.4

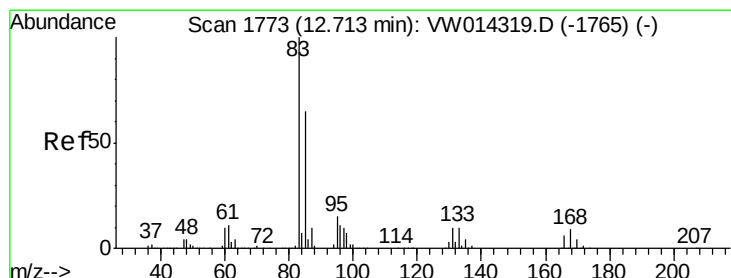
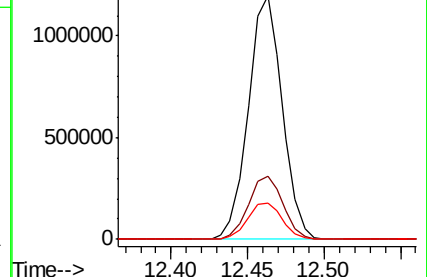
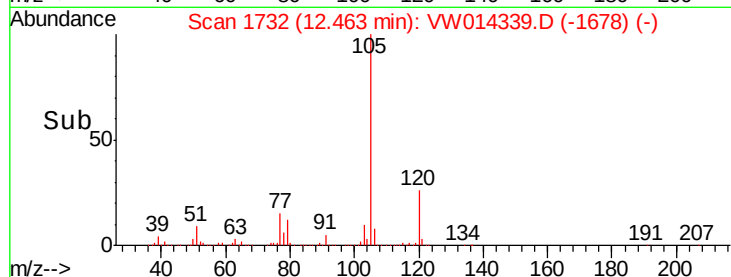
77 15.4 11.6 17.4



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: 20.540 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW014339.D

Acq: 12 Dec 2019 21:00

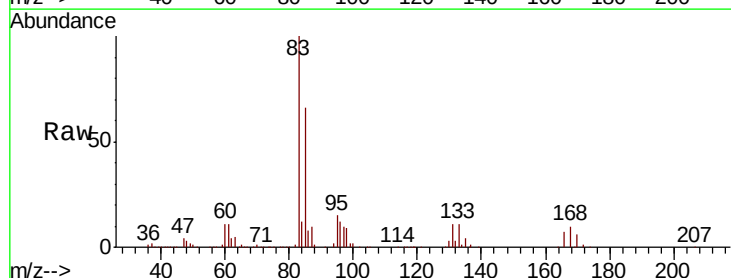
Tgt Ion: 83 Resp: 300463

Ion Ratio Lower Upper

83 100

85 65.8 43.7 81.1

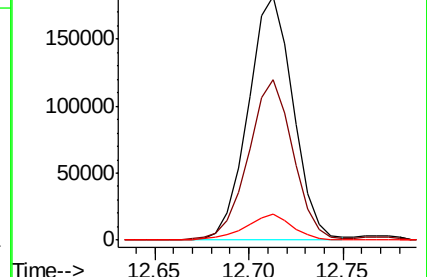
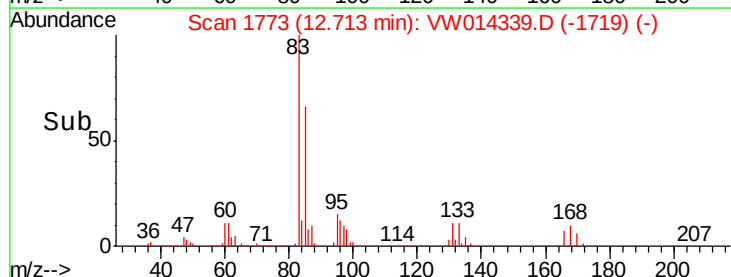
131 10.5 8.2 12.2

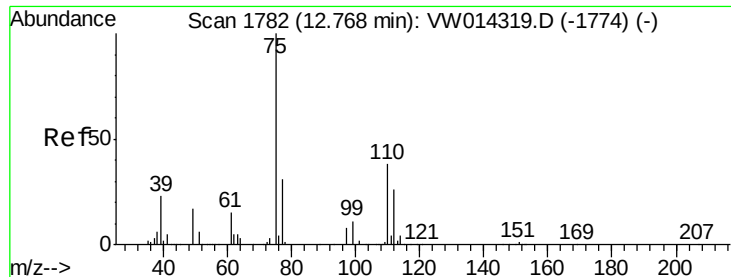


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 20.287 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW014339.D

Acq: 12 Dec 2019 21:00

Instrument :

MSVOA_W

ClientSampleId :

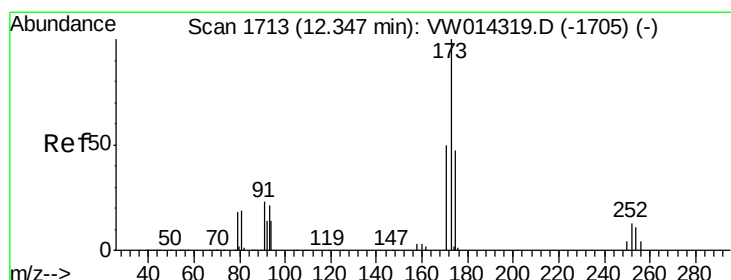
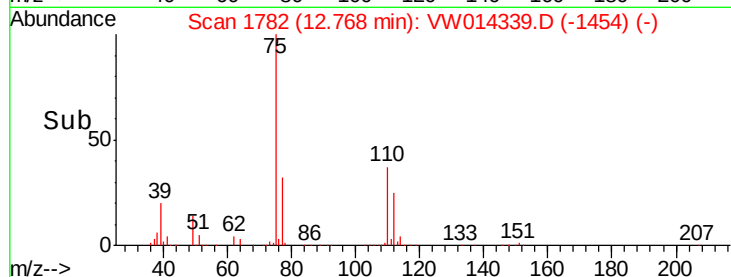
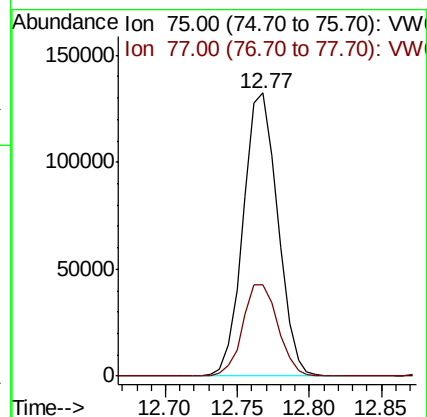
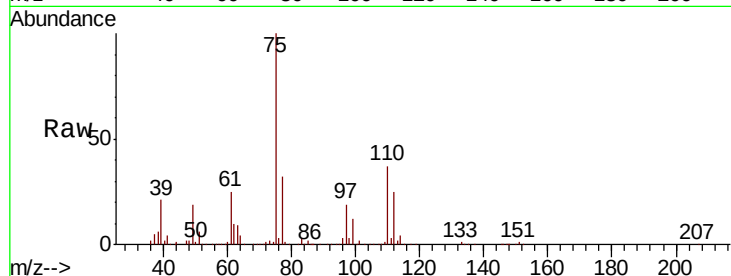
VSTD02517

Tot Ion: 75 Resp: 220516

Ion Ratio Lower Upper

75 100

77 32.7 25.9 38.9



#62

Bromoform

Concen: 20.923 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW014339.D

Acq: 12 Dec 2019 21:00

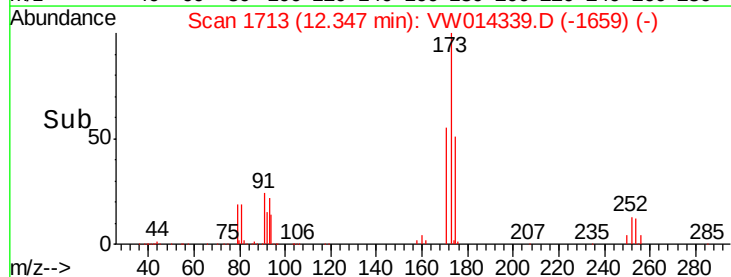
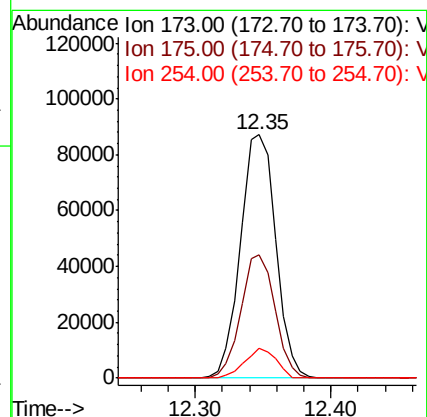
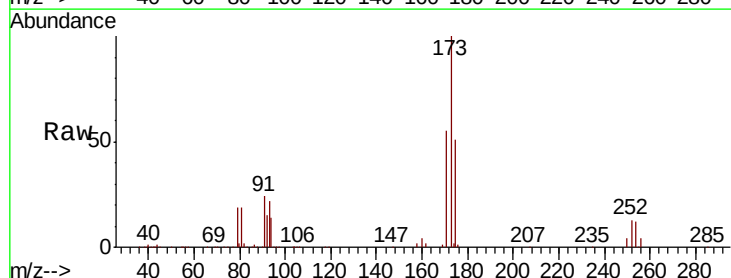
Tgt Ion: 173 Resp: 158532

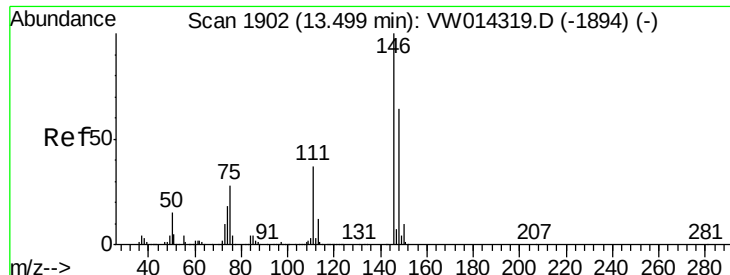
Ion Ratio Lower Upper

173 100

175 49.1 38.8 58.2

254 11.1 9.4 14.0





#63

1,3-Dichlorobenzene

Concen: 25.328 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW014339.D

Acq: 12 Dec 2019 21:00

Instrument :

MSVOA_W

ClientSampleId :

VSTD02517

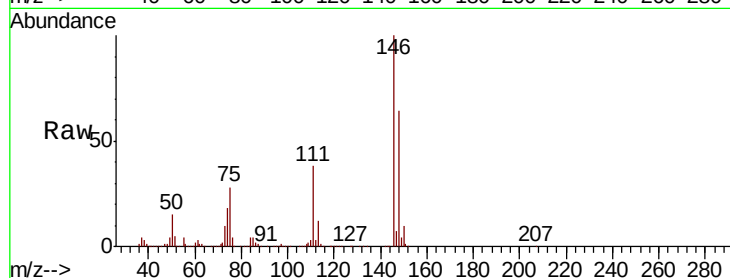
Tot Ion:146 Resp: 760014

Ion Ratio Lower Upper

146 100

111 37.8 26.0 48.2

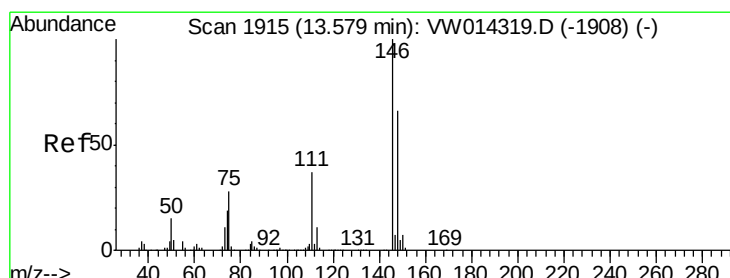
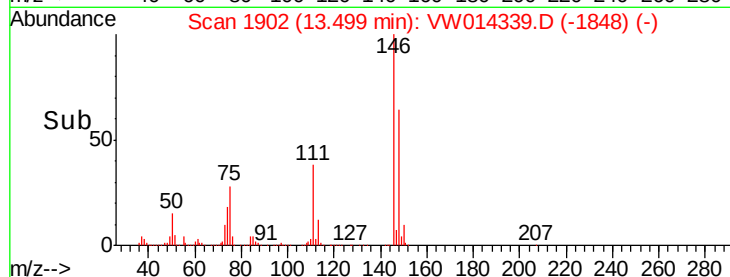
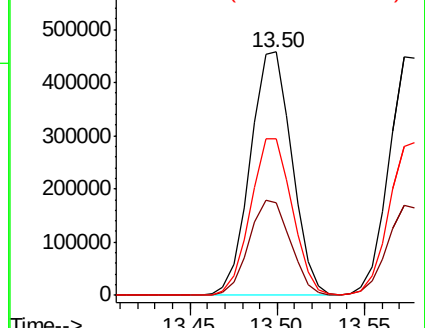
148 64.2 44.7 82.9



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: 24.199 ug/L

RT: 13.57 min Scan# 1914

Delta R.T. -0.01 min

Lab File: VW014339.D

Acq: 12 Dec 2019 21:00

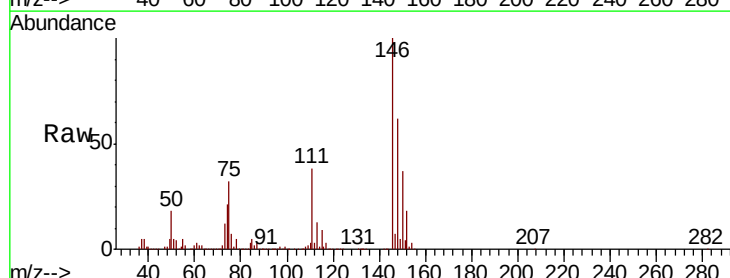
Tgt Ion:146 Resp: 737759

Ion Ratio Lower Upper

146 100

111 38.0 24.9 46.3

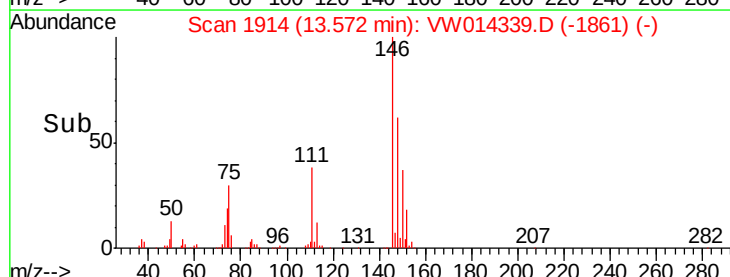
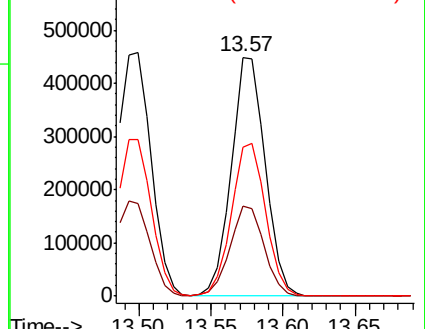
148 62.2 43.9 81.5

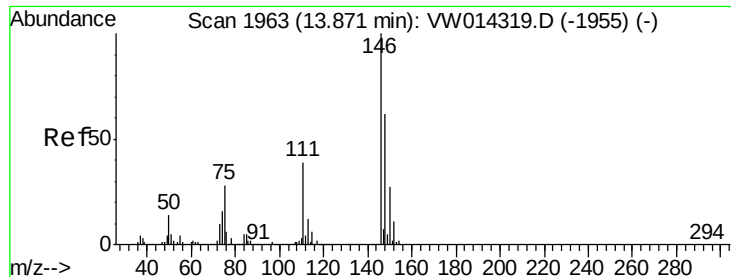


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 23.703 ug/L

RT: 13.87 min Scan# 1962

Delta R.T. -0.01 min

Lab File: VW014339.D

Acq: 12 Dec 2019 21:00

Instrument :

MSVOA_W

ClientSampleId :

VSTD02517

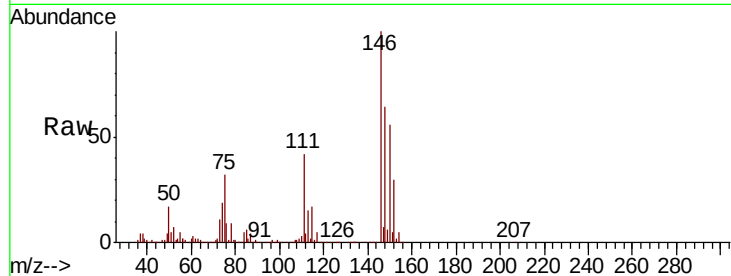
Tot Ion:146 Resp: 661417

Ion Ratio Lower Upper

146 100

111 42.1 30.5 45.7

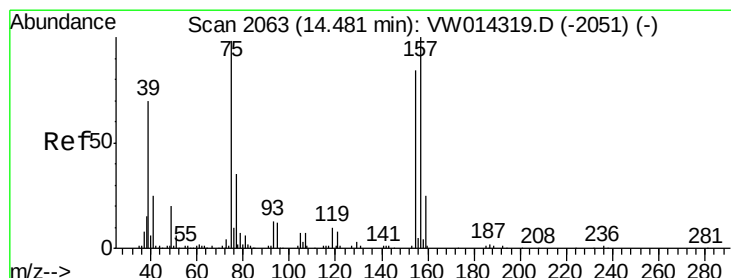
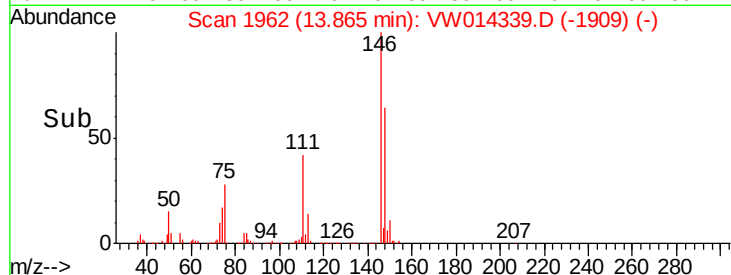
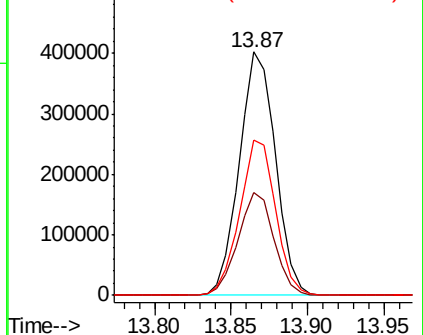
148 63.8 49.4 74.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 19.729 ug/L

RT: 14.48 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VW014339.D

Acq: 12 Dec 2019 21:00

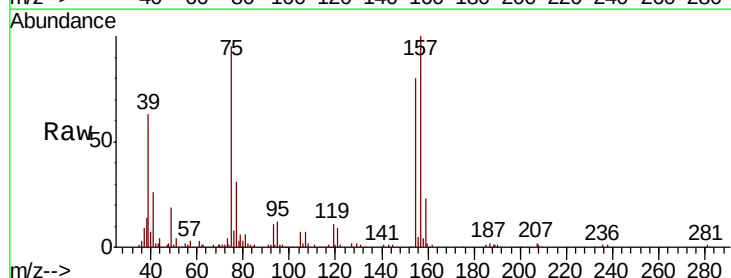
Tgt Ion: 75 Resp: 42469

Ion Ratio Lower Upper

75 100

157 104.8 96.9 145.3

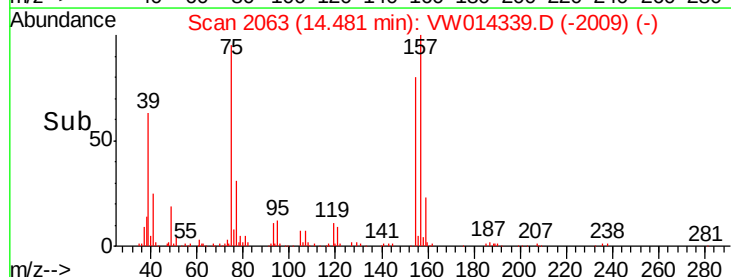
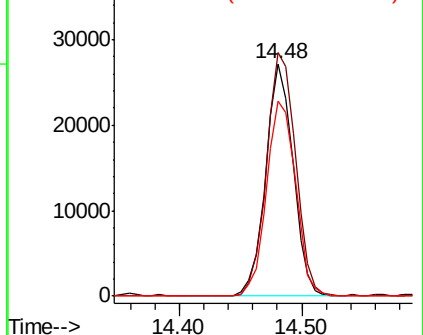
155 84.1 82.9 124.3

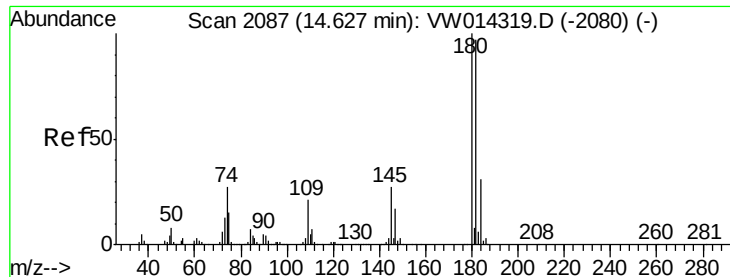


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

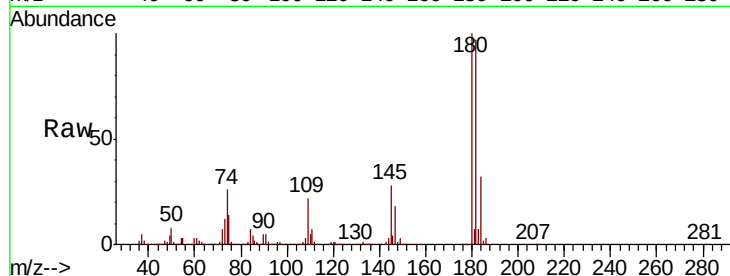




#67
 1,3,5-Trichlorobenzene
 Concen: 24.646 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW014339.D
 Acq: 12 Dec 2019 21:00

Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02517

Tot Ion:180	Resp:	532083
Ion	Ratio	Lower Upper
180	100	
182	96.5	76.2 114.2
184	30.8	24.3 36.5
145	29.0	21.9 32.9



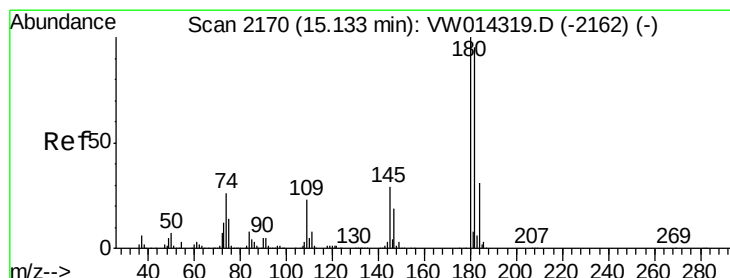
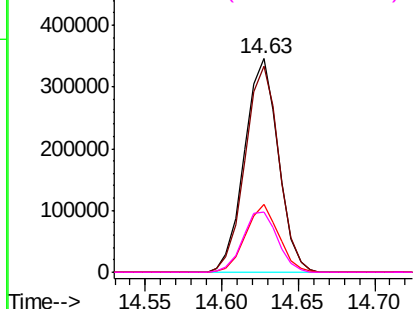
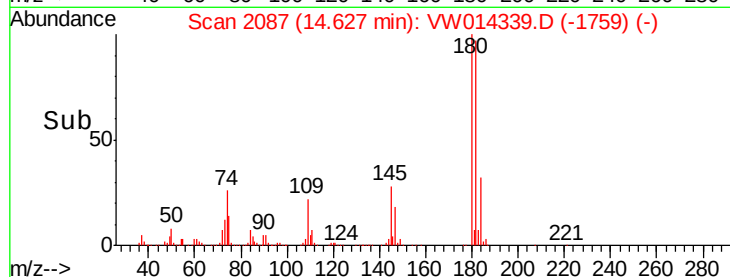
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

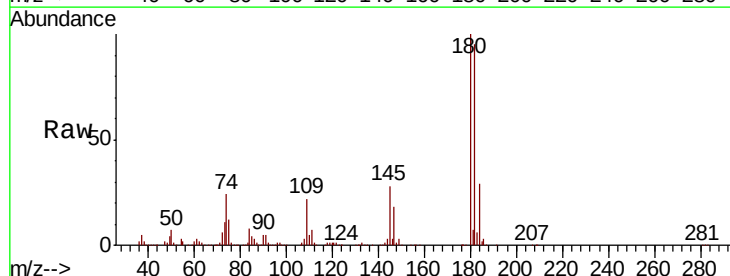
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 23.998 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW014339.D
 Acq: 12 Dec 2019 21:00

Tgt Ion:180	Resp:	403878
Ion	Ratio	Lower Upper
180	100	
182	94.5	75.8 113.8
145	28.7	22.4 33.6

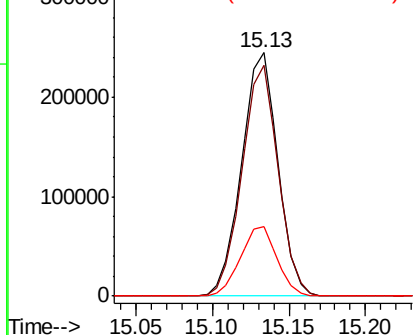
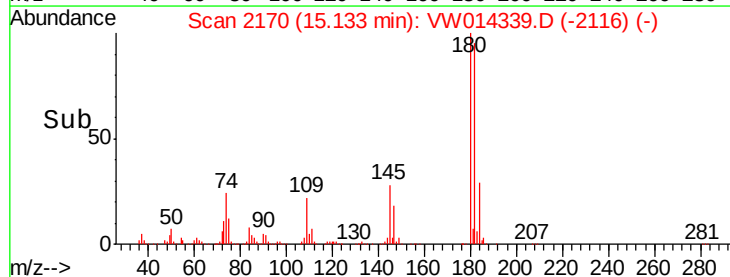


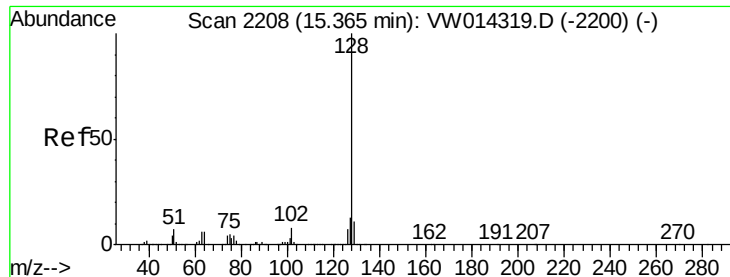
Abundance

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: 21.825 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW014339.D

Acq: 12 Dec 2019 21:00

Instrument :

MSVOA_W

ClientSampleId :

VSTD02517

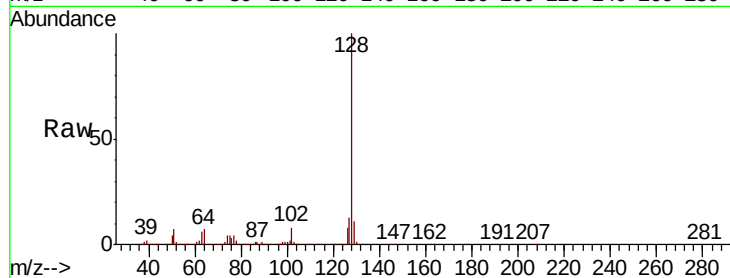
Tot Ion:128 Resp: 690743

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

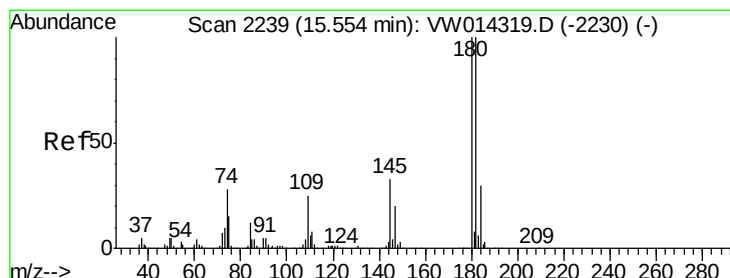
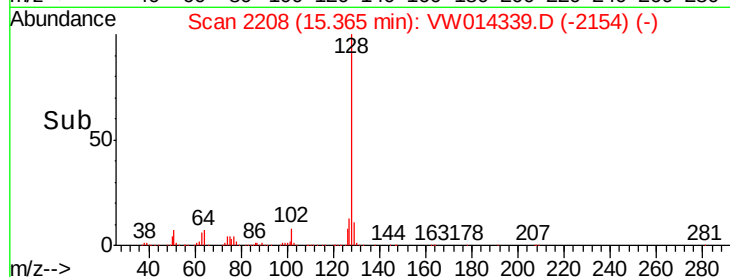
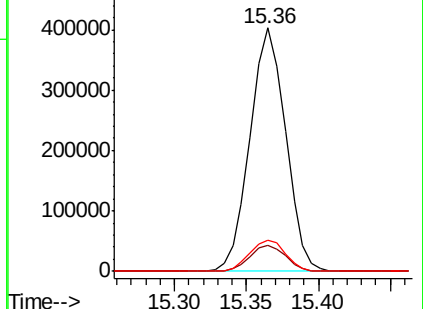
127 13.0 10.4 15.6



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: 22.781 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW014339.D

Acq: 12 Dec 2019 21:00

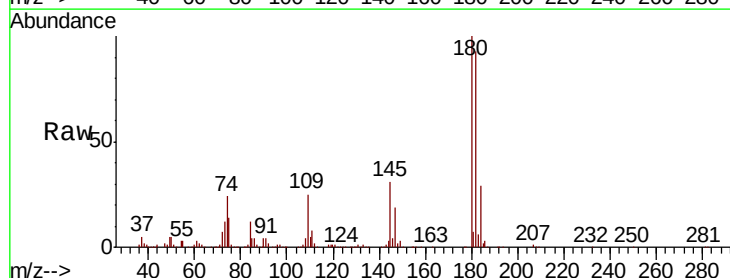
Tgt Ion:180 Resp: 359542

Ion Ratio Lower Upper

180 100

182 94.2 75.8 113.6

145 31.2 24.0 36.0



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

