

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092619\
 Data File : VW013303.D
 Acq On : 26 Sep 2019 12:44
 Operator : SY/VA
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 26 19:09:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM092619S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 26 12:57:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	501067	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	439663	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	227775	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	148736	24.90	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.60%
7) Chloroethane-d5	2.88	69	119529	24.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.68%
10) 1,1-Dichloroethene-d2	4.02	63	294530	25.04	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	100.16%
20) 2-Butanone-d5	7.07	46	110849	53.68	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.36%
24) Chloroform-d	7.65	84	288294	25.52	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.08%
26) 1,2-Dichloroethane-d4	8.30	65	157219	25.76	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	103.04%
29) Benzene-d6	8.27	84	611195	25.60	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.40%
33) 1,2-Dichloropropane-d6	9.27	67	184531	25.94	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	103.76%
37) Toluene-d8	10.32	98	584284	25.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	103.96%
38) trans-1,3-Dichloropropene-	10.58	79	86252	26.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	107.92%
39) 2-Hexanone-d5	10.92	63	87317	56.10	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	112.20%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	162855	26.96	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	107.84%
61) 1,2-Dichlorobenzene-d4	13.85	152	209650	25.77	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.08%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	87720	27.973	ug/L	95
3) Chloromethane	2.21	50	108538	25.832	ug/L	98
5) Vinyl chloride	2.36	62	148265	25.515	ug/L	96
6) Bromomethane	2.77	94	94969	25.705	ug/L	97
8) Chloroethane	2.92	64	88003	24.964	ug/L	94
9) Trichlorofluoromethane	3.26	101	82973	23.038	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	139790	24.561	ug/L	97
12) 1,1-Dichloroethene	4.04	96	142770	24.717	ug/L	99
13) Acetone	4.12	43	91933	53.488	ug/L	97
14) Carbon disulfide	4.38	76	412075	25.131	ug/L	99
15) Methyl Acetate	4.67	43	87561	26.401	ug/L	99
16) Methylene chloride	4.91	84	161117	21.522	ug/L	98
17) Methyl tert-butyl Ether	5.42	73	260540	26.078	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	153618	24.872	ug/L	96
19) 1,1-Dichloroethane	6.21	63	266833	24.631	ug/L	99
21) 2-Butanone	7.16	43	128525	51.916	ug/L	99
22) cis-1,2-Dichloroethene	7.16	96	166558	24.750	ug/L	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

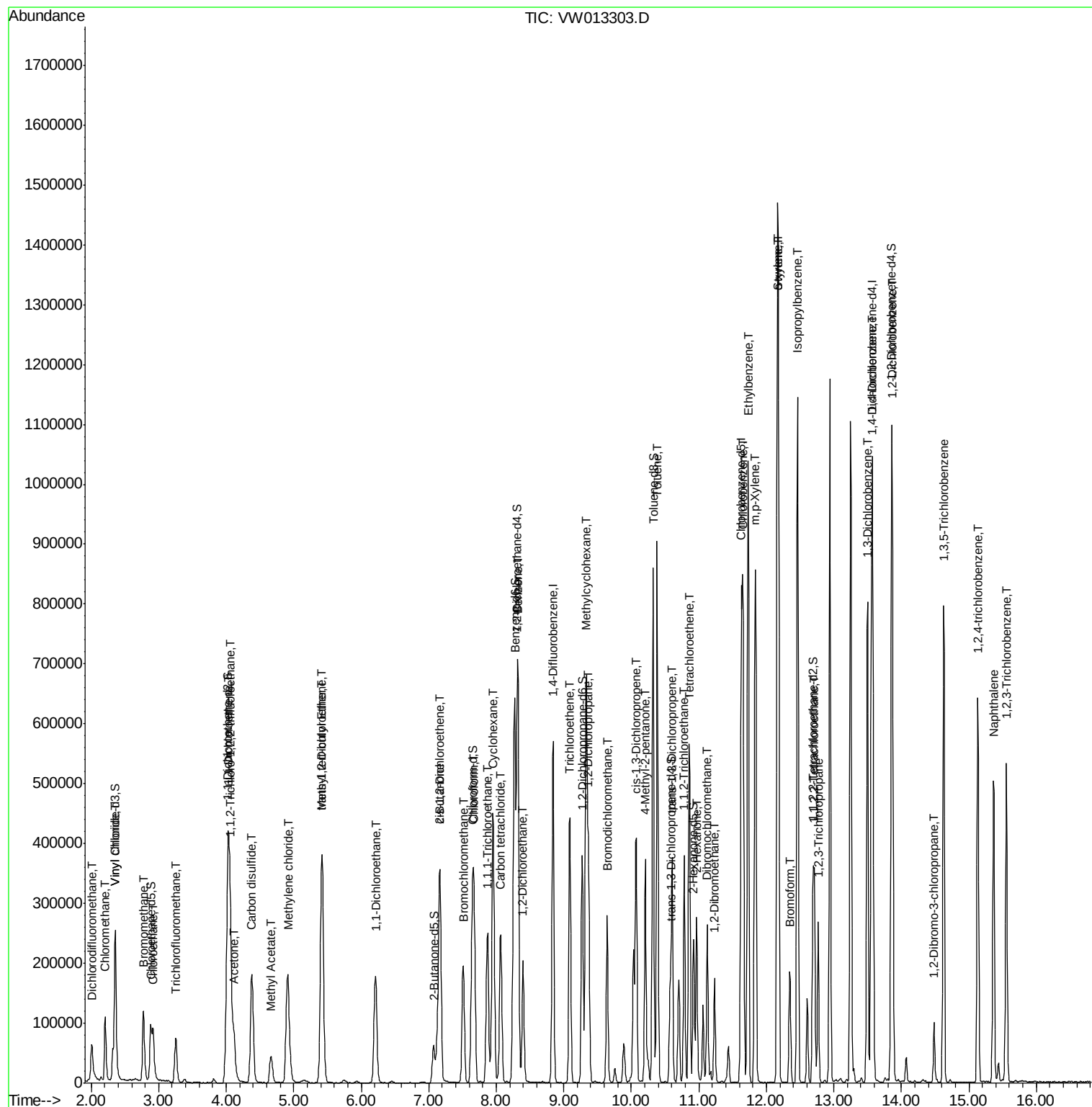
23) Bromochloromethane	7.51	128	75623	24.972	ug/L	91
25) Chloroform	7.67	83	264591	24.853	ug/L	100
27) 1,2-Dichloroethane	8.40	62	178067	25.540	ug/L	99
30) Cyclohexane	7.95	56	266410	25.230	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	210212	24.911	ug/L	99
32) Carbon tetrachloride	8.07	117	200141	24.874	ug/L	100
34) Benzene	8.32	78	623033	25.277	ug/L	100
35) Trichloroethene	9.09	95	160834	24.837	ug/L	99
36) Methylcyclohexane	9.34	83	292293	25.339	ug/L	99
40) 1,2-Dichloropropane	9.37	63	155272	25.605	ug/L	100
41) Bromodichloromethane	9.64	83	191781	25.775	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	250268	25.836	ug/L	96
43) 4-Methyl-2-pentanone	10.21	43	245957	52.980	ug/L	100
44) Toluene	10.38	91	675763	25.181	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	203959	26.195	ug/L	95
46) 1,1,2-Trichloroethane	10.79	97	122461	25.773	ug/L	96
47) Tetrachloroethene	10.86	164	141545	24.292	ug/L	99
49) 2-Hexanone	10.97	43	176869	53.002	ug/L	98
50) Dibromochloromethane	11.13	129	141930	26.042	ug/L	94
51) 1,2-Dibromoethane	11.23	107	122201	26.178	ug/L	97
52) Chlorobenzene	11.66	112	432308	25.566	ug/L	98
53) Ethylbenzene	11.73	91	757937	25.479	ug/L	97
54) m,p-Xylene	11.84	106	287964	25.211	ug/L	98
55) o-xylene	12.16	106	275829	25.591	ug/L	99
56) Styrene	12.18	104	479000	25.919	ug/L	99
57) Isopropylbenzene	12.46	105	750845	25.762	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	152951	26.129	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	112674	25.795	ug/L	99
62) Bromoform	12.35	173	92500	25.670	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	351983	25.113	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	347055	24.506	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	319982	25.091	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	25003	24.895	ug/L	98
67) 1,3,5-Trichlorobenzene	14.63	180	272175	25.221	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	221296	25.689	ug/L	99
69) Naphthalene	15.36	128	449870	27.335	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	201039	25.660	ug/L	99

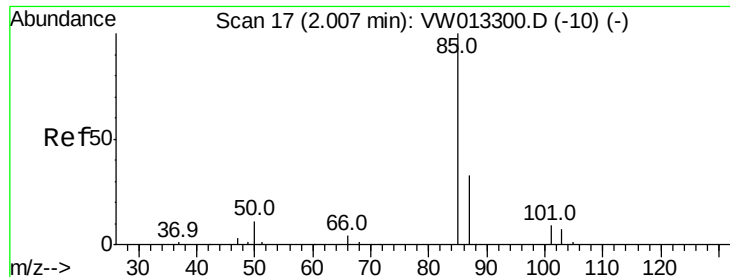
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 27.973 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW013303.D

Acq: 26 Sep 2019 12:44

Instrument :

MSVOA_W

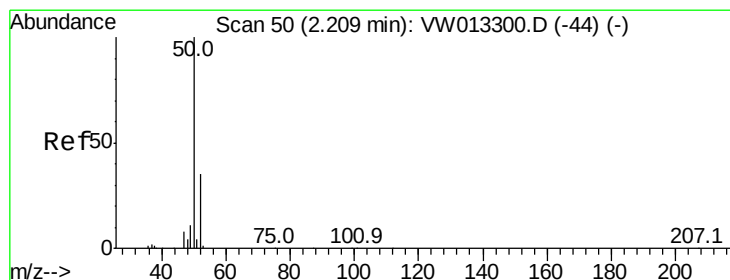
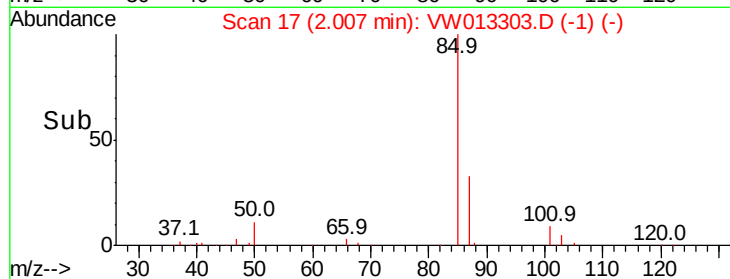
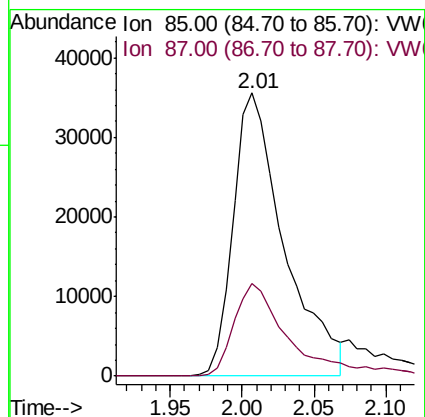
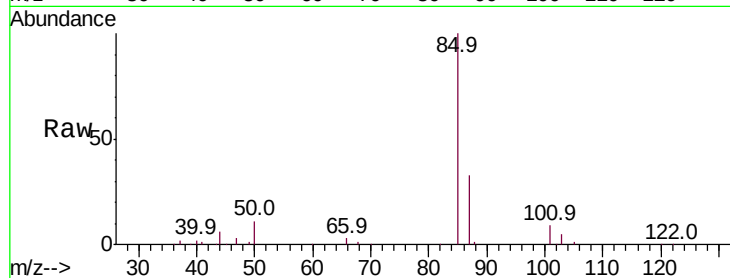
ClientSampleId :

Tot Ion: 85 Resp: 87720

Ion Ratio Lower Upper

85 100

87 33.4 21.3 39.6



#3

Chloromethane

Concen: 25.832 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW013303.D

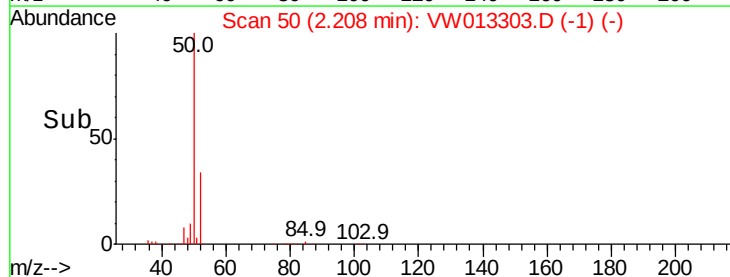
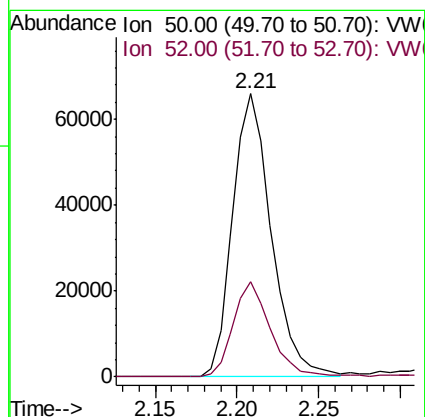
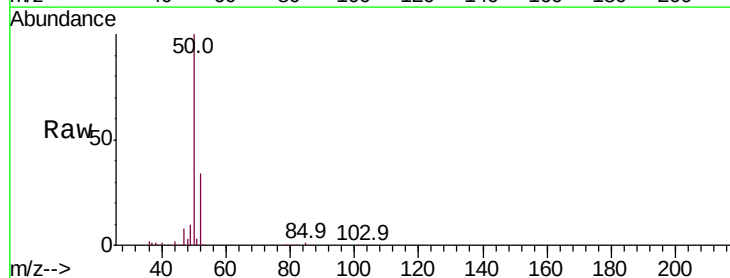
Acq: 26 Sep 2019 12:44

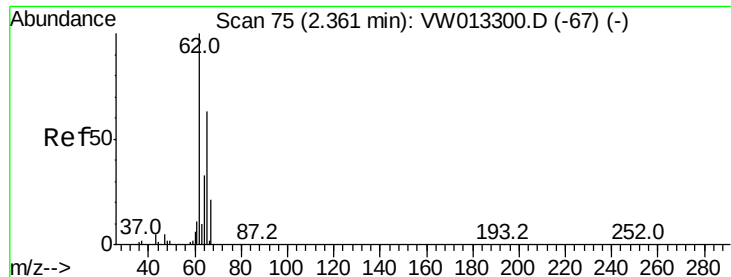
Tgt Ion: 50 Resp: 108538

Ion Ratio Lower Upper

50 100

52 33.8 24.4 45.4





#5

Vinyl chloride

Concen: 25.515 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW013303.D

Acq: 26 Sep 2019 12:44

Instrument :

MSVOA_W

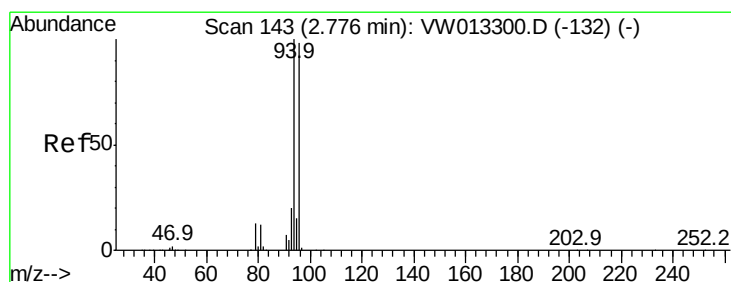
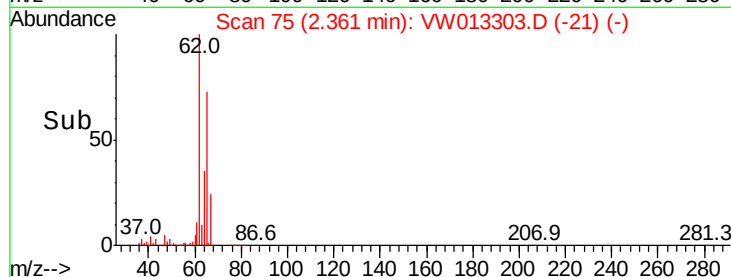
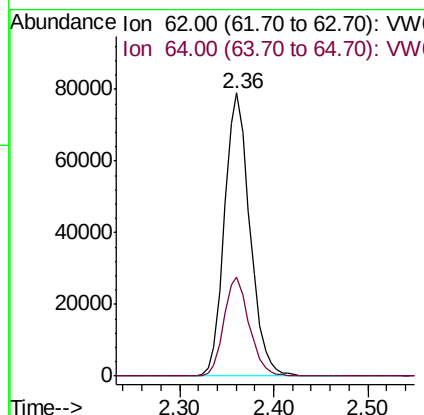
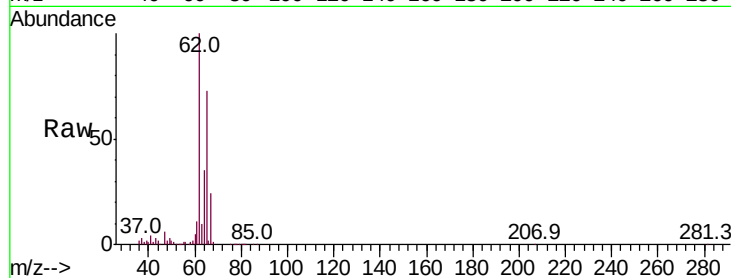
ClientSampled :

Tot Ion: 62 Resp: 148265

Ion Ratio Lower Upper

62 100

64 35.1 23.2 43.0



#6

Bromomethane

Concen: 25.705 ug/L

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW013303.D

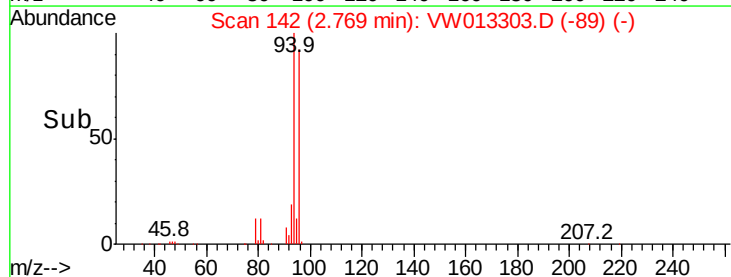
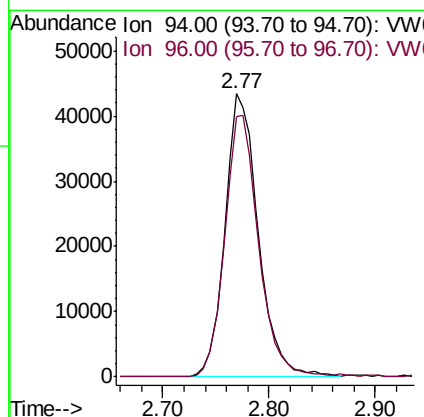
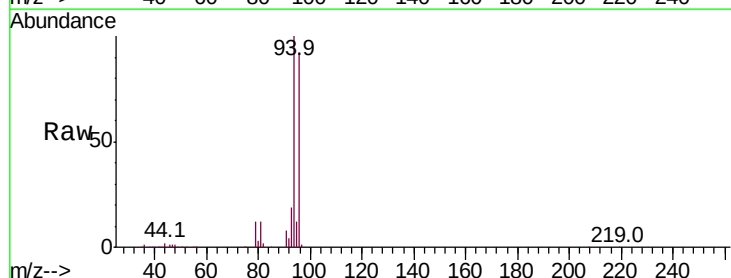
Acq: 26 Sep 2019 12:44

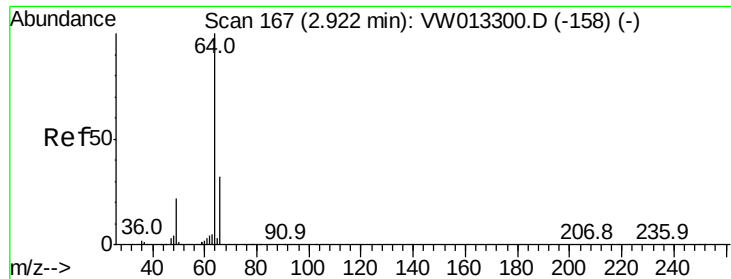
Tgt Ion: 94 Resp: 94969

Ion Ratio Lower Upper

94 100

96 94.1 9.7 184.3





#8

Chloroethane

Concen: 24.964 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW013303.D

Acq: 26 Sep 2019 12:44

Instrument :

MSVOA_W

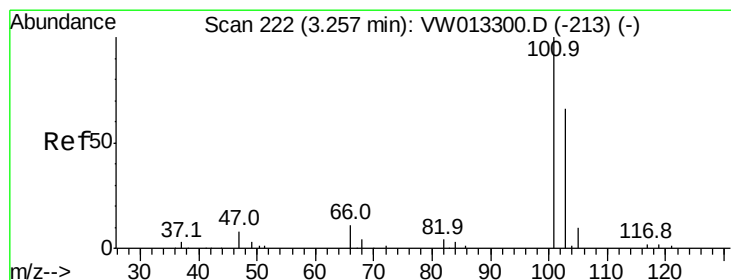
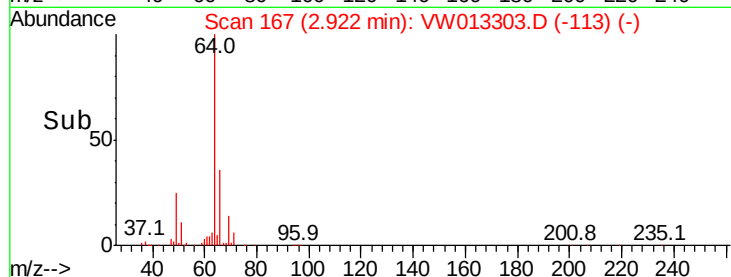
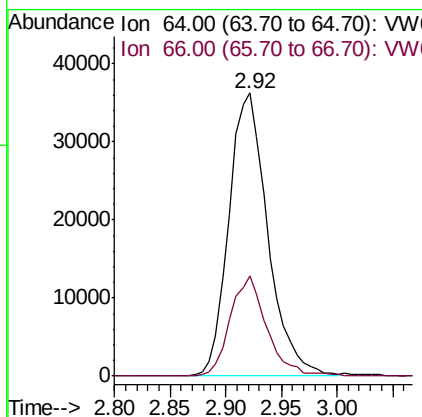
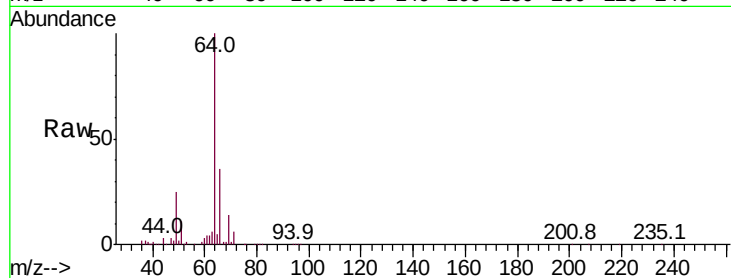
ClientSampleId :

Tot Ion: 64 Resp: 88003

Ion Ratio Lower Upper

64 100

66 35.7 22.7 42.1



#9

Trichlorofluoromethane

Concen: 23.038 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW013303.D

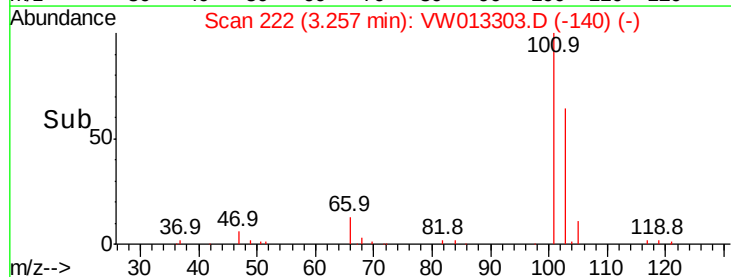
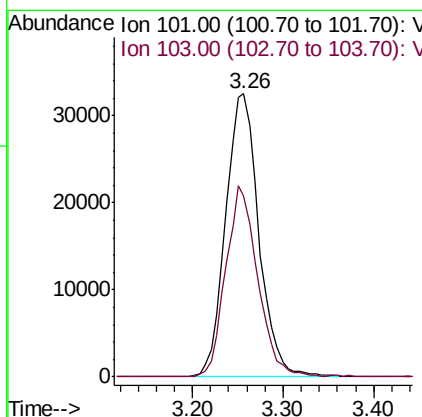
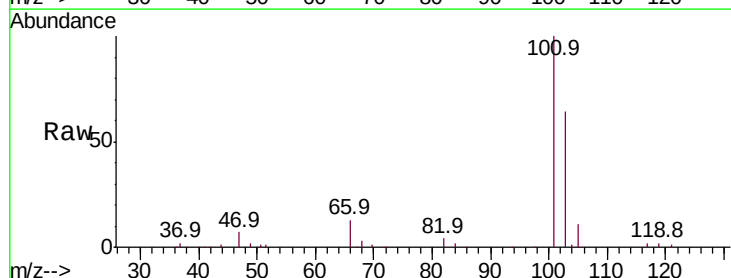
Acq: 26 Sep 2019 12:44

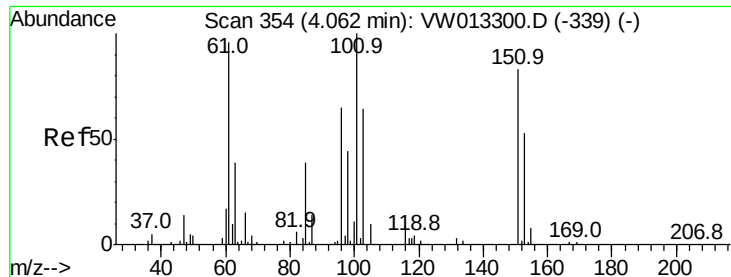
Tgt Ion: 101 Resp: 82973

Ion Ratio Lower Upper

101 100

103 64.3 45.2 84.0





#11

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

Concen: 24.561 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW013303.D

Acq: 26 Sep 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

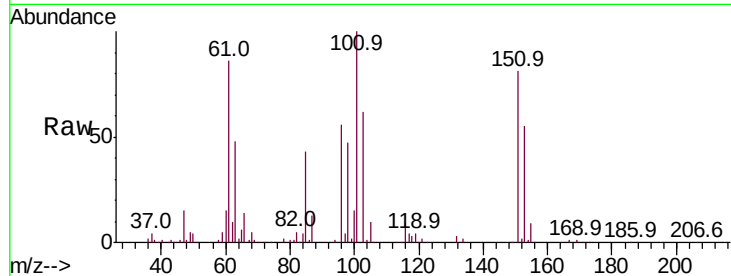
Tot Ion:101 Resp: 139790

Ion Ratio Lower Upper

101 100

85 41.7 31.8 47.8

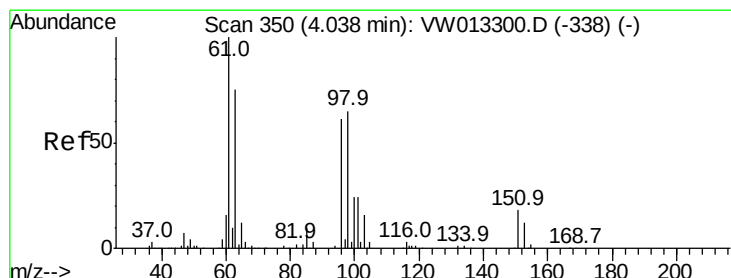
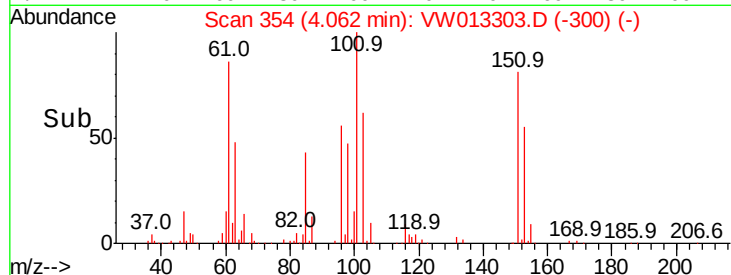
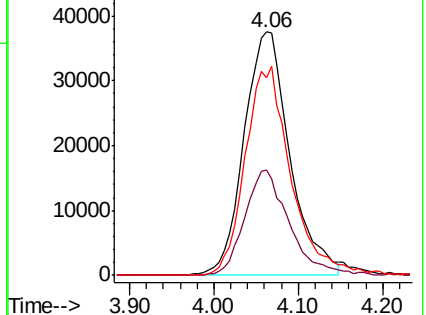
151 84.9 65.4 98.0



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: 24.717 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW013303.D

Acq: 26 Sep 2019 12:44

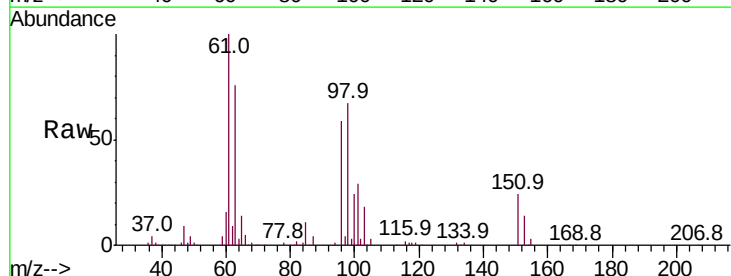
Tgt Ion: 96 Resp: 142770

Ion Ratio Lower Upper

96 100

61 168.2 115.9 215.3

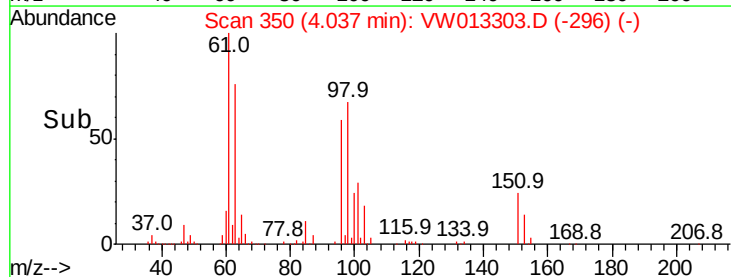
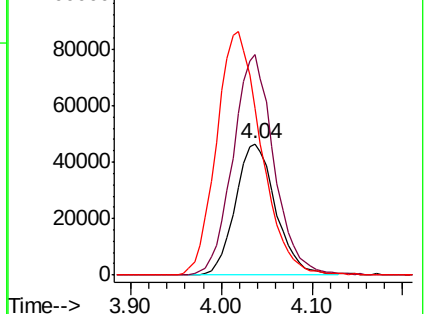
63 127.4 88.9 165.1

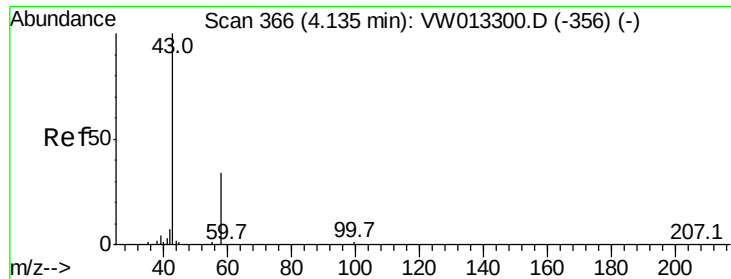


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 53.488 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.02 min

Lab File: VW013303.D

Acq: 26 Sep 2019 12:44

Instrument :

MSVOA_W

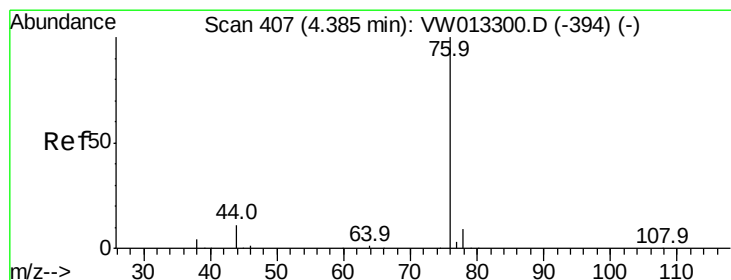
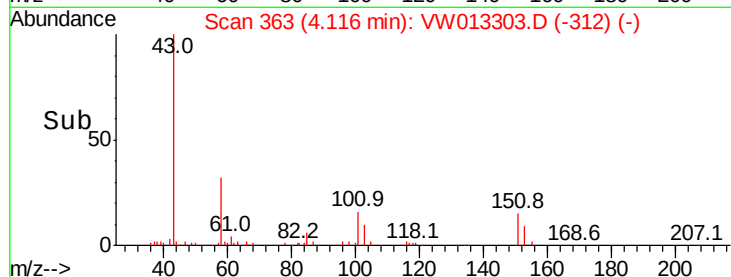
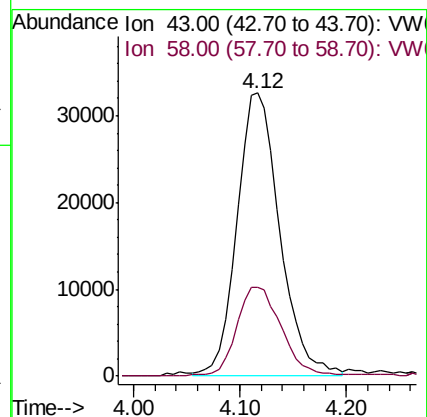
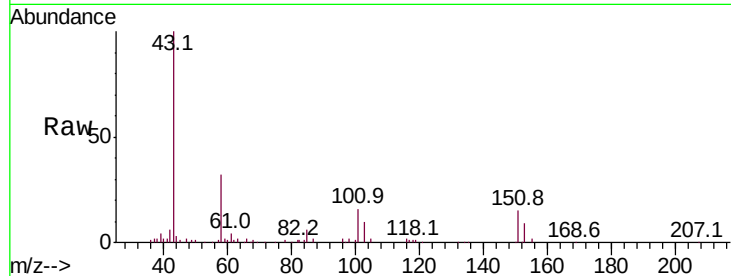
ClientSampleId :

Tot Ion: 43 Resp: 91933

Ion Ratio Lower Upper

43 100

58 33.2 0.0 63.2



#14

Carbon disulfide

Concen: 25.131 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW013303.D

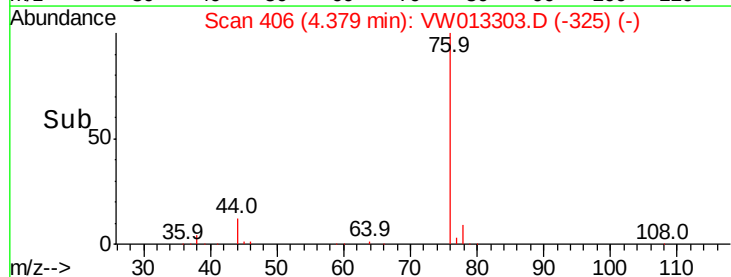
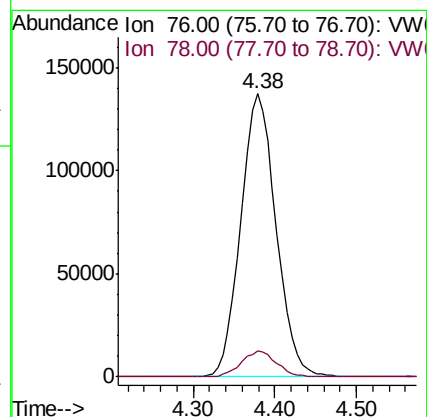
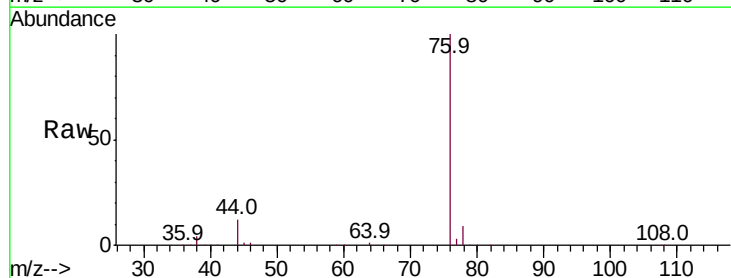
Acq: 26 Sep 2019 12:44

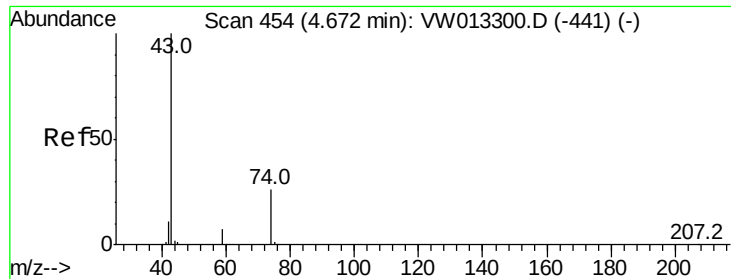
Tgt Ion: 76 Resp: 412075

Ion Ratio Lower Upper

76 100

78 9.4 7.2 10.8

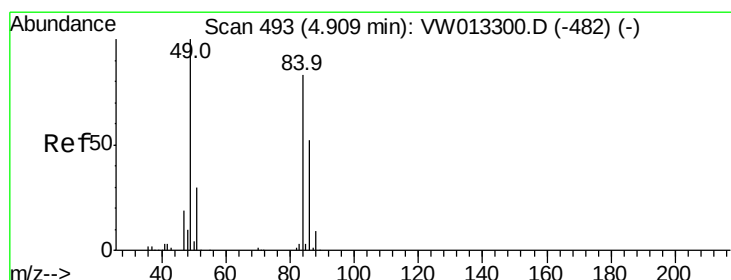
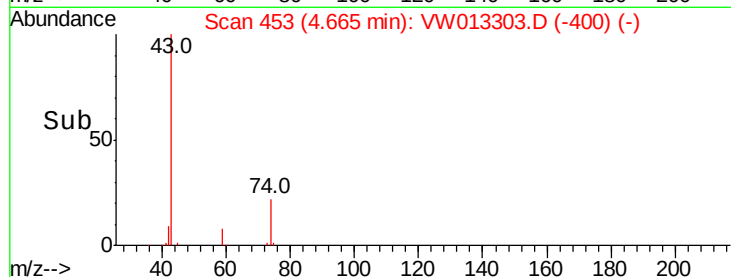
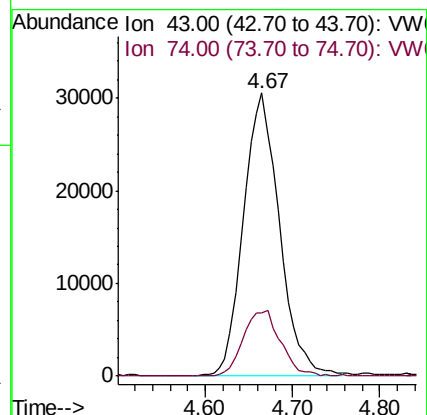
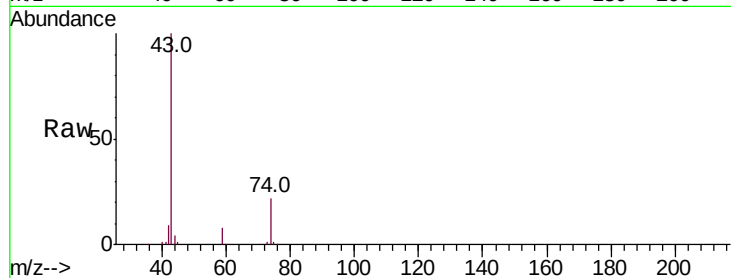




#15
Methvl Acetate
Concen: 26.401 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW013303.D
Acq: 26 Sep 2019 12:44

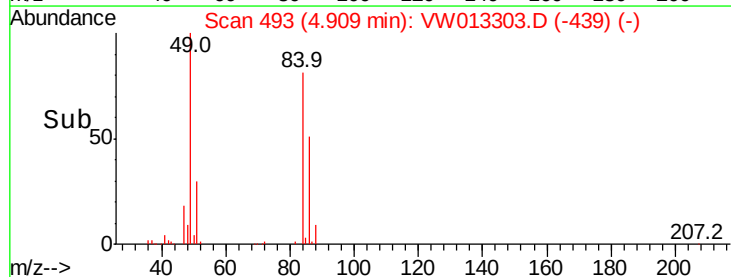
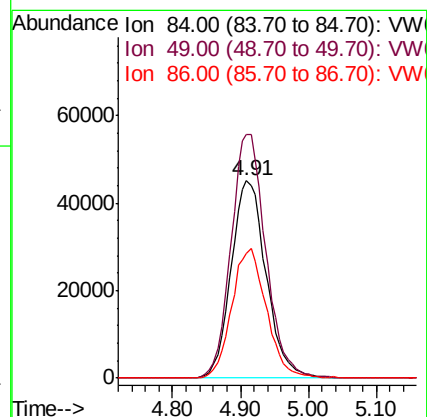
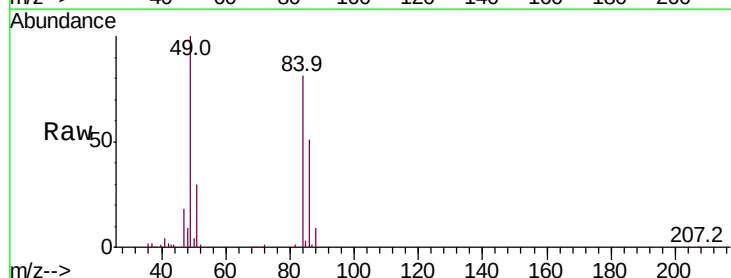
Instrument :
MSVOA_W
ClientSampleId :

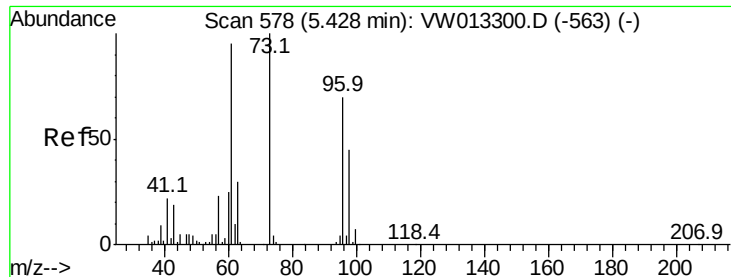
Tot Ion: 43 Resp: 87561
Ion Ratio Lower Upper
43 100
74 24.0 18.7 28.1



#16
Methylene chloride
Concen: 21.522 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.00 min
Lab File: VW013303.D
Acq: 26 Sep 2019 12:44

Tgt Ion: 84 Resp: 161117
Ion Ratio Lower Upper
84 100
49 123.5 84.8 157.4
86 63.2 44.0 81.6

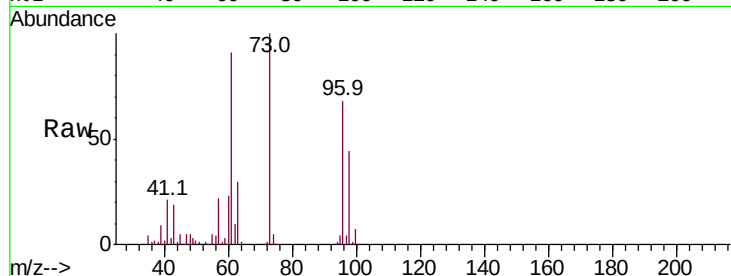




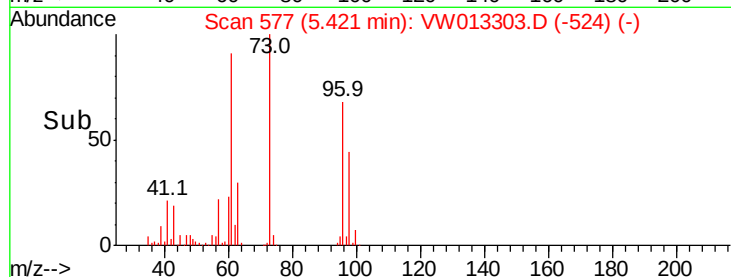
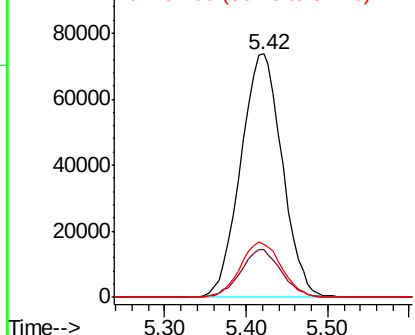
#17
Methyl tert-butyl Ether
Concen: 26.078 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW013303.D
Acq: 26 Sep 2019 12:44

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 73 Resp: 260540
Ion Ratio Lower Upper
73 100
43 19.4 15.3 22.9
57 22.5 18.2 27.4

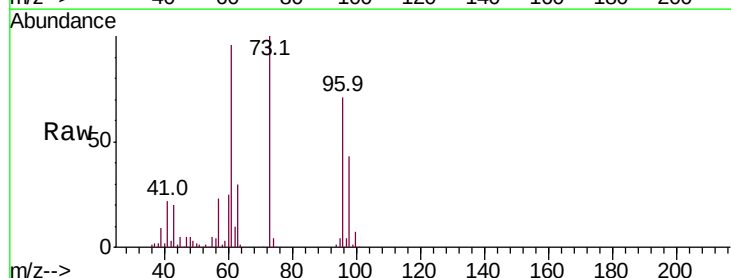
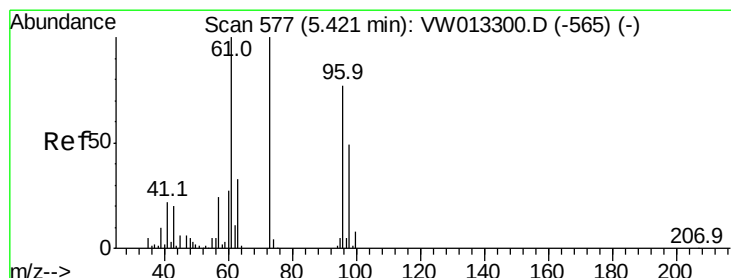


Abundance Ion 73.00 (72.70 to 73.70): VW
100000
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

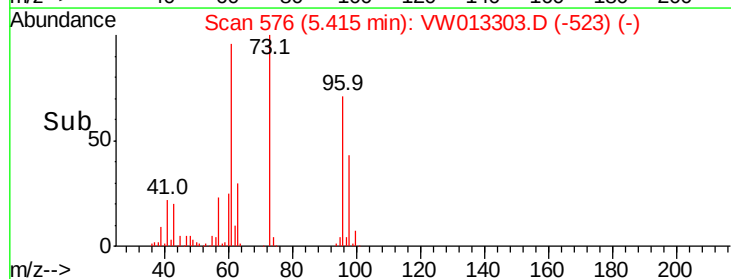
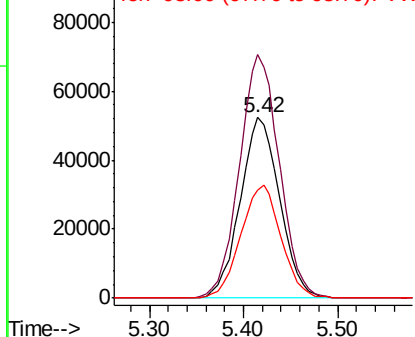


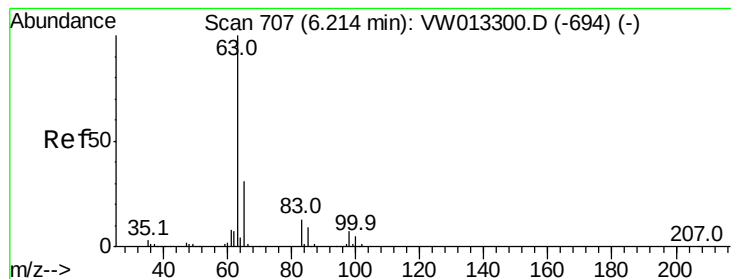
#18
trans-1,2-Dichloroethene
Concen: 24.872 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW013303.D
Acq: 26 Sep 2019 12:44

Tgt Ion: 96 Resp: 153618
Ion Ratio Lower Upper
96 100
61 134.8 91.2 169.4
98 59.9 44.7 82.9



Abundance Ion 96.00 (95.70 to 96.70): VW
80000
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW





#19

1,1-Dichloroethane

Concen: 24.631 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013303.D

Acq: 26 Sep 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

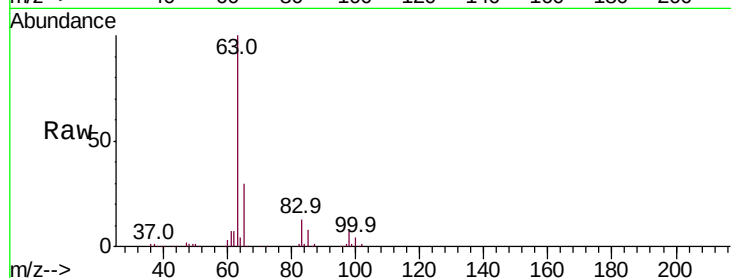
Tot Ion: 63 Resp: 266833

Ion Ratio Lower Upper

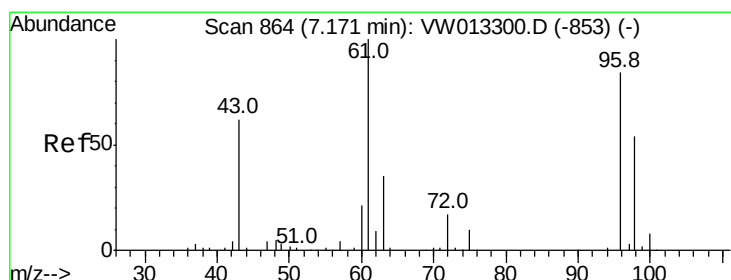
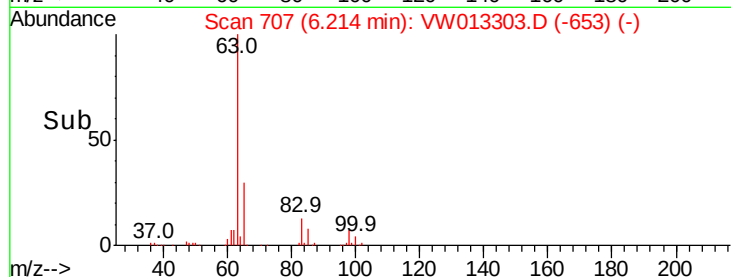
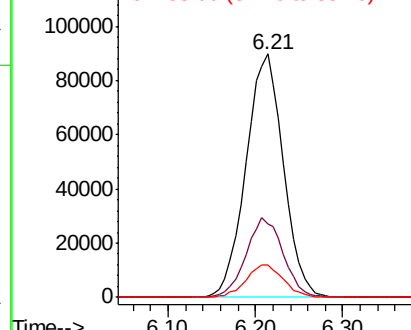
63 100

65 30.0 21.8 40.4

83 13.3 9.3 17.3



Abundance Ion 63.00 (62.70 to 63.70): VW
Ion 65.00 (64.70 to 65.70): VW
Ion 83.00 (82.70 to 83.70): VW



#21

2-Butanone

Concen: 51.916 ug/L

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW013303.D

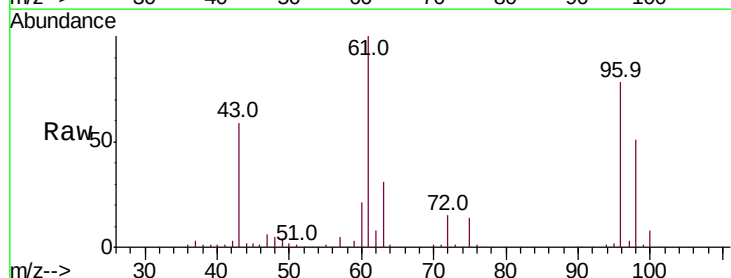
Acq: 26 Sep 2019 12:44

Tgt Ion: 43 Resp: 128525

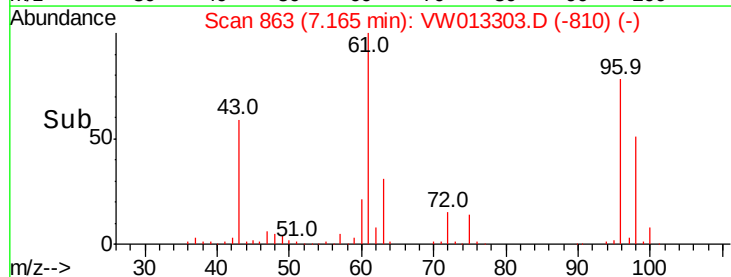
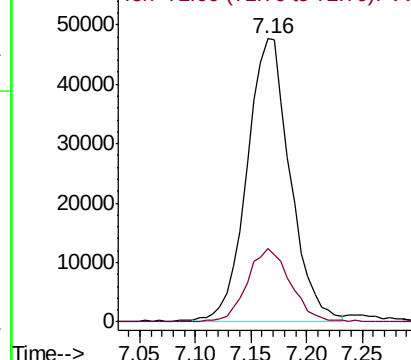
Ion Ratio Lower Upper

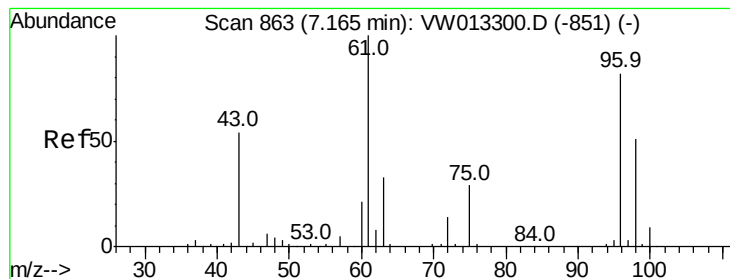
43 100

72 25.7 13.2 39.6



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW



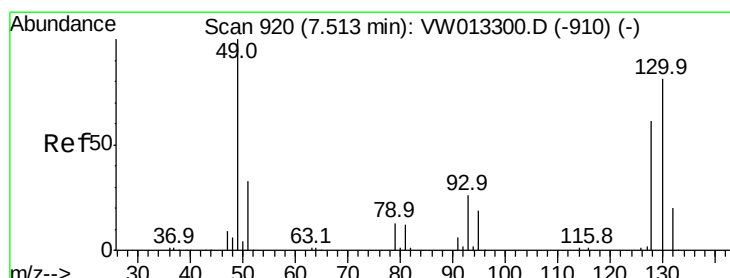
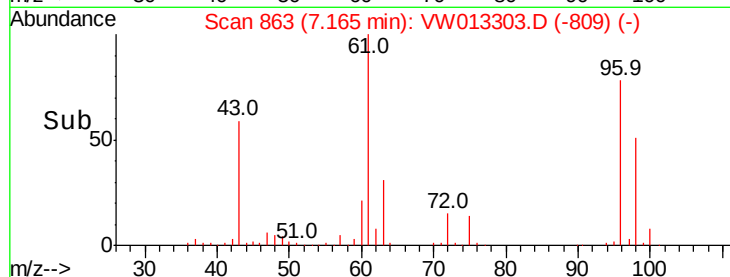
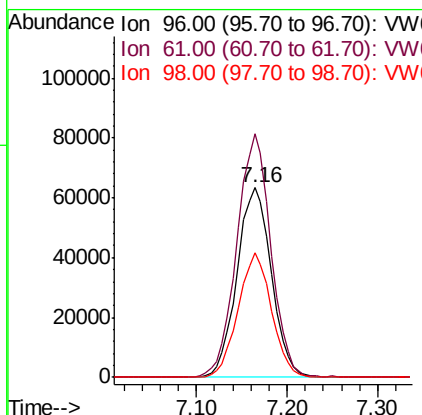
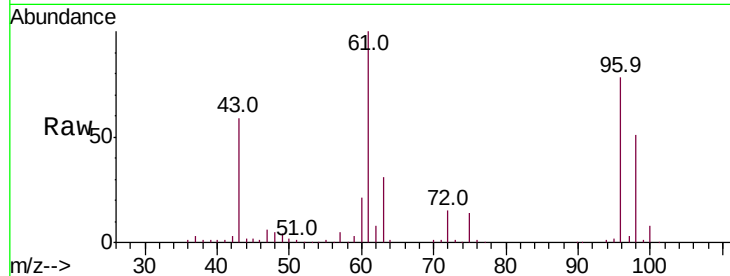


#22

cis-1,2-Dichloroethene
 Concen: 24.750 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW013303.D
 Acq: 26 Sep 2019 12:44

Instrument :
 MSVOA_W
 ClientSampled :

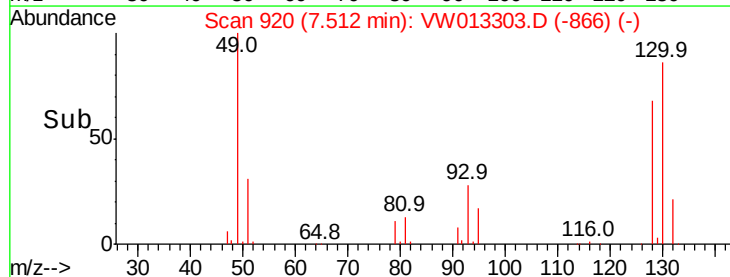
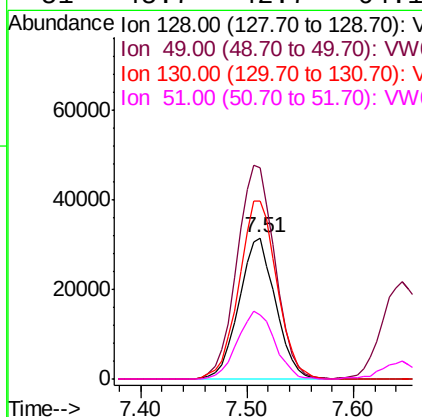
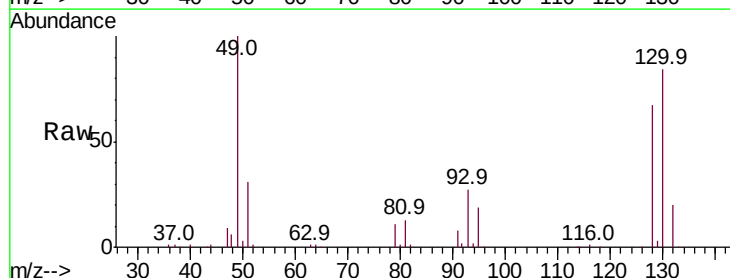
Tot Ion: 96 Resp: 166558
 Ion Ratio Lower Upper
 96 100
 61 128.3 86.0 159.6
 98 65.6 43.5 80.9

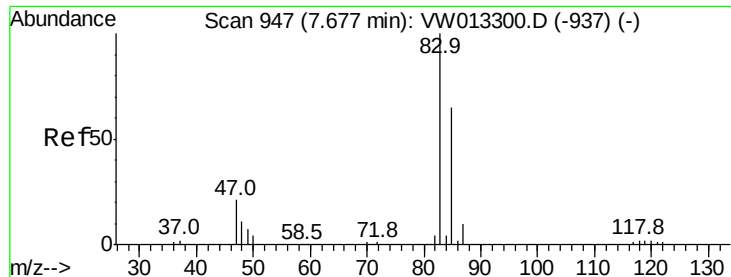


#23

Bromochloromethane
 Concen: 24.972 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW013303.D
 Acq: 26 Sep 2019 12:44

Tgt Ion: 128 Resp: 75623
 Ion Ratio Lower Upper
 128 100
 49 149.8 114.6 212.8
 130 125.8 92.6 172.0
 51 45.7 42.7 64.1

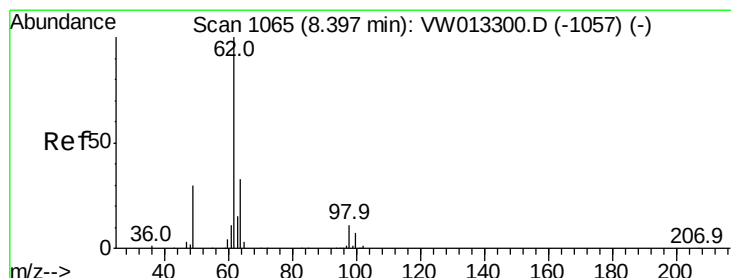
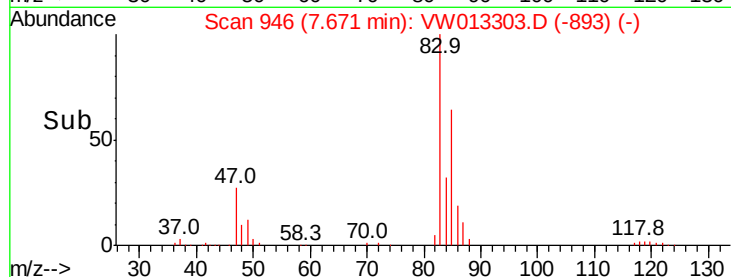
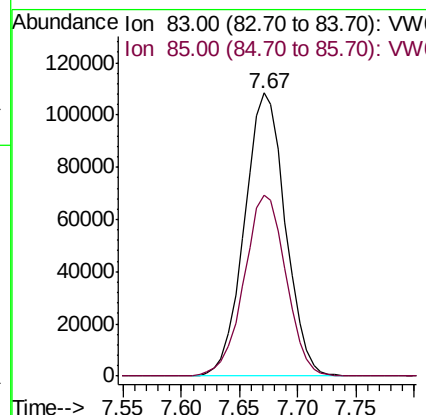
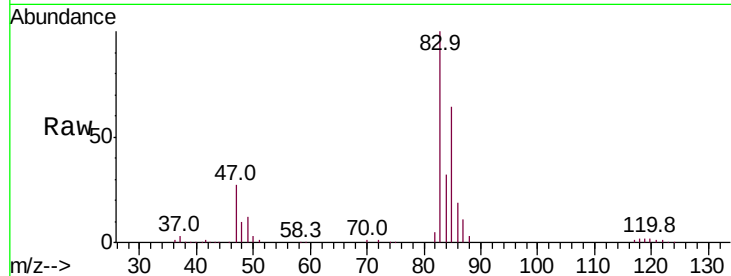




#25
Chloroform
Concen: 24.853 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW013303.D
Acq: 26 Sep 2019 12:44

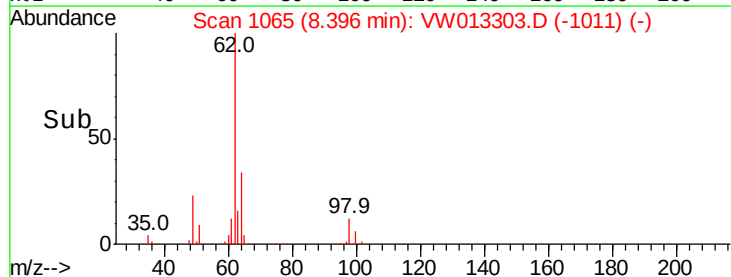
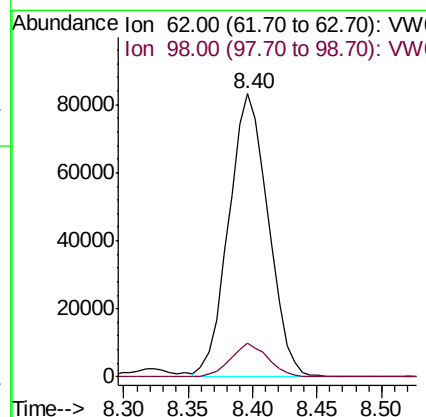
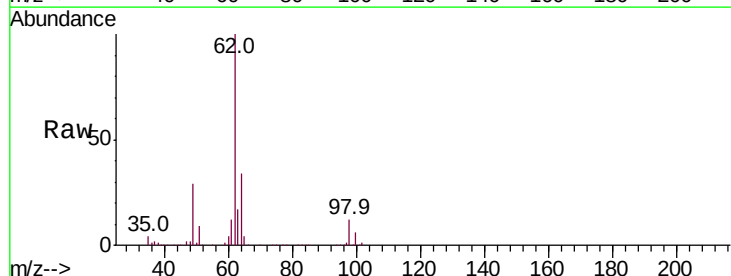
Instrument :
MSVOA_W
ClientSampleId :

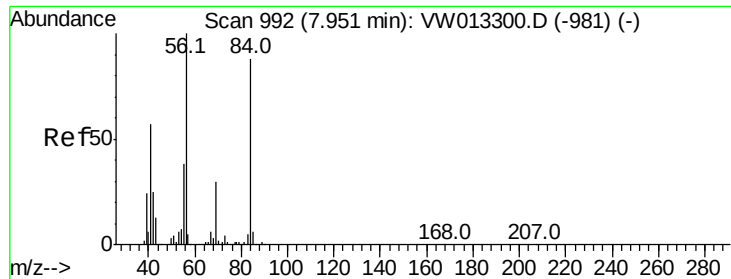
Tot Ion: 83 Resp: 264591
Ion Ratio Lower Upper
83 100
85 65.6 45.9 85.3



#27
1,2-Dichloroethane
Concen: 25.540 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013303.D
Acq: 26 Sep 2019 12:44

Tgt Ion: 62 Resp: 178067
Ion Ratio Lower Upper
62 100
98 11.9 9.0 13.6

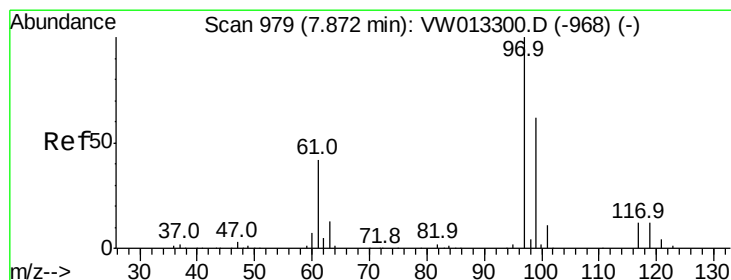
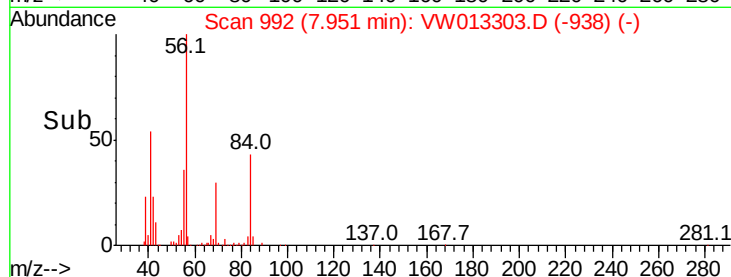
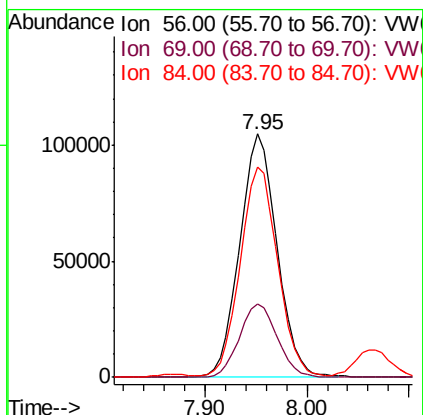
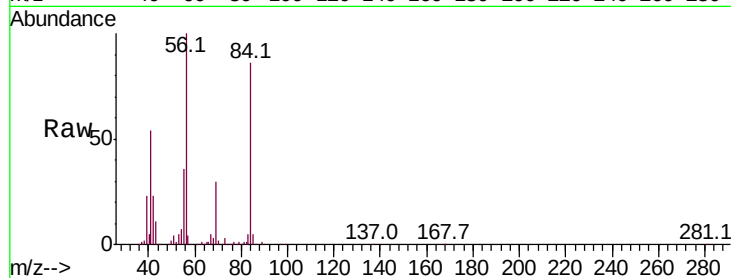




#30
Cyclohexane
Concen: 25.230 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW013303.D
Acq: 26 Sep 2019 12:44

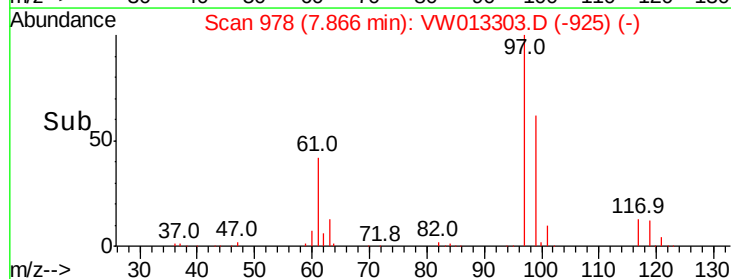
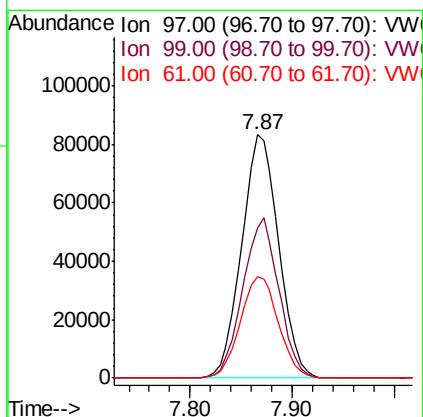
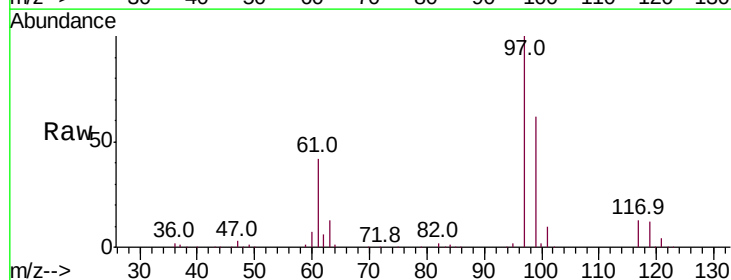
Instrument :
MSVOA_W
ClientSampled :

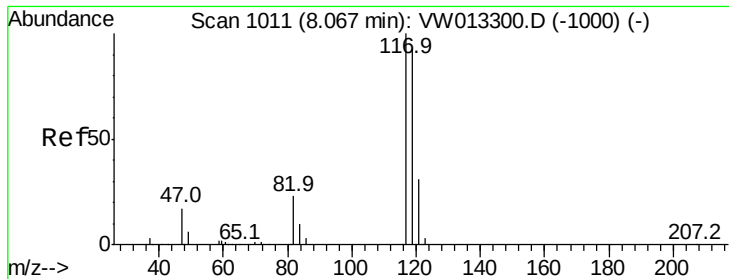
Tot Ion: 56 Resp: 266410
Ion Ratio Lower Upper
56 100
69 30.7 24.6 37.0
84 87.2 69.5 104.3



#31
1,1,1-Trichloroethane
Concen: 24.911 ug/L
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW013303.D
Acq: 26 Sep 2019 12:44

Tgt Ion: 97 Resp: 210212
Ion Ratio Lower Upper
97 100
99 64.4 50.6 75.8
61 43.0 34.2 51.2





#32

Carbon tetrachloride

Concen: 24.874 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW013303.D

Acq: 26 Sep 2019 12:44

Instrument :

MSVOA_W

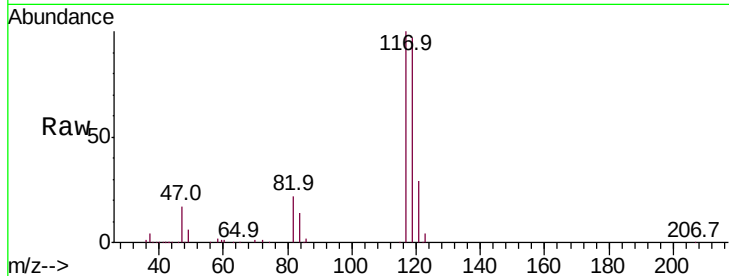
ClientSampleId :

Tot Ion:117 Resp: 200141

Ion Ratio Lower Upper

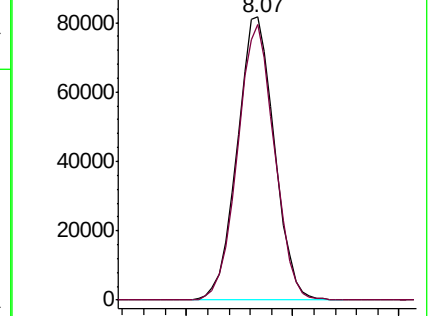
117 100

119 95.9 76.7 115.1

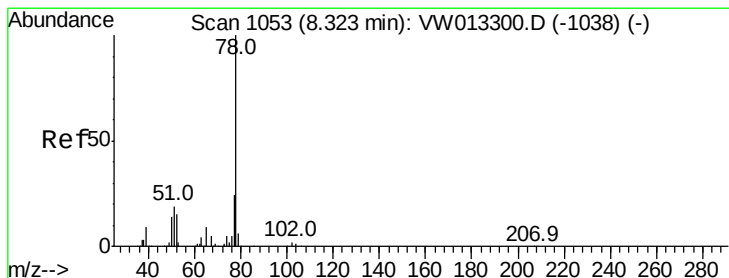
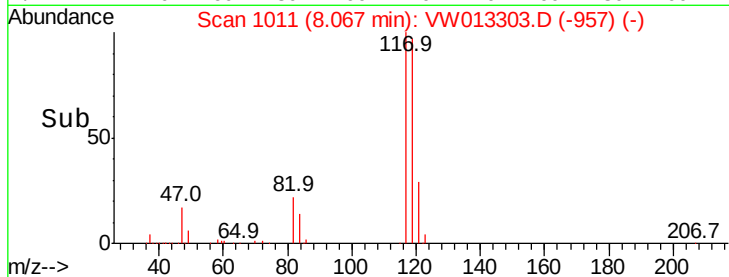


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



Time-->



#34

Benzene

Concen: 25.277 ug/L

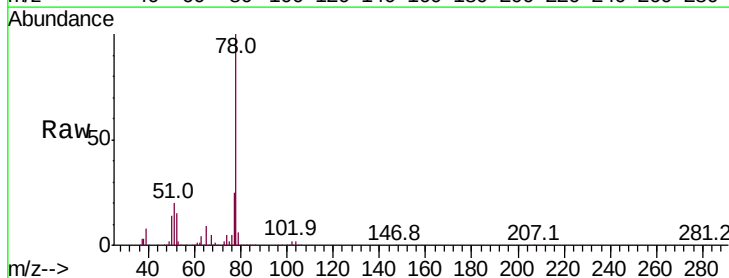
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

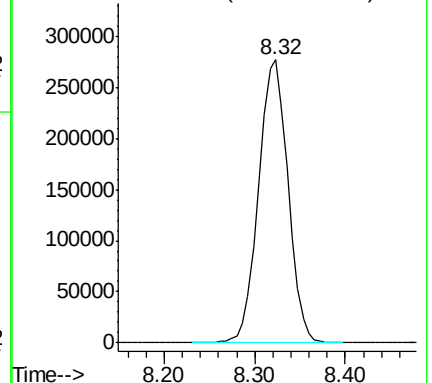
Lab File: VW013303.D

Acq: 26 Sep 2019 12:44

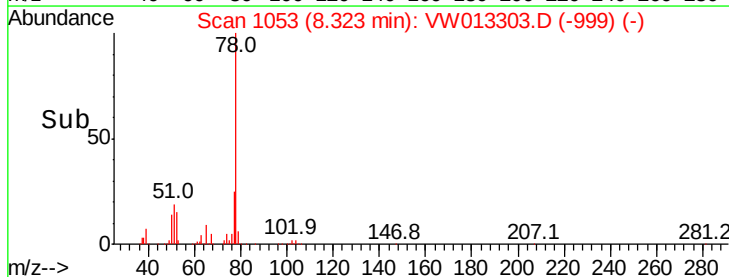
Tgt Ion: 78 Resp: 623033

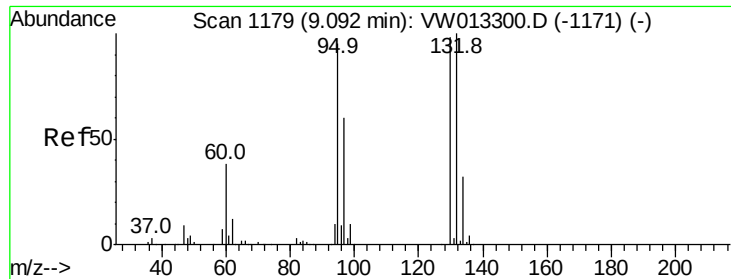


Abundance Ion 78.00 (77.70 to 78.70): VW



Time-->





#35

Trichloroethene

Concen: 24.837 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW013303.D

Acq: 26 Sep 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 95 Resp: 160834

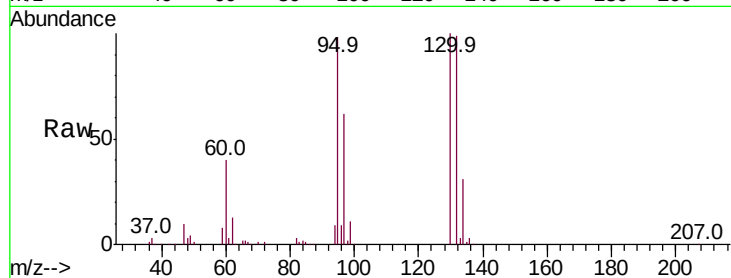
Ion Ratio Lower Upper

95 100

97 64.5 44.3 82.3

132 102.9 71.7 133.3

130 107.5 74.1 137.7

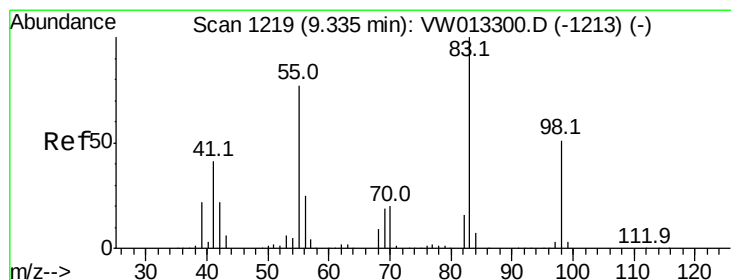
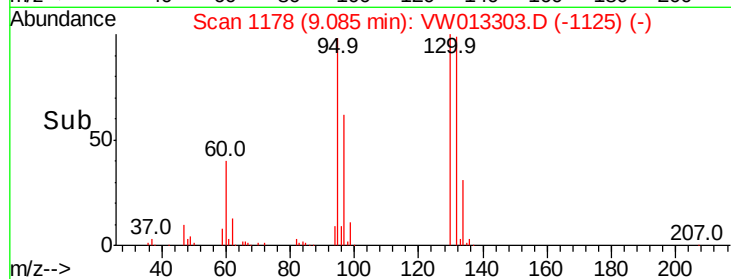
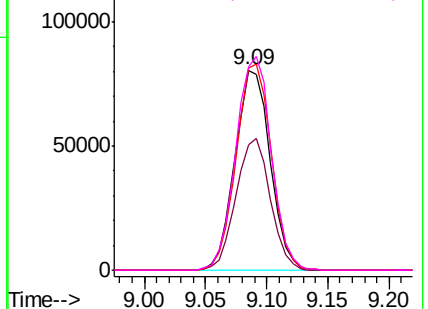


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 25.339 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW013303.D

Acq: 26 Sep 2019 12:44

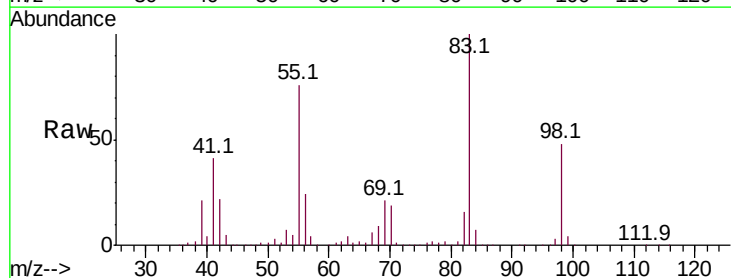
Tgt Ion: 83 Resp: 292293

Ion Ratio Lower Upper

83 100

55 76.7 61.8 92.6

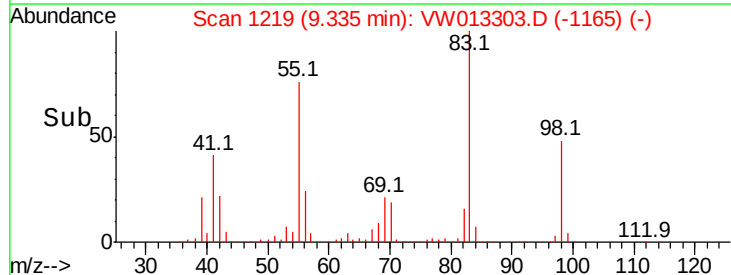
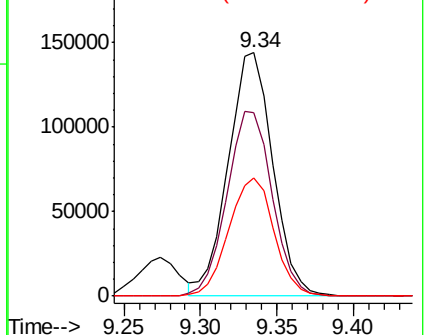
98 48.8 39.6 59.4

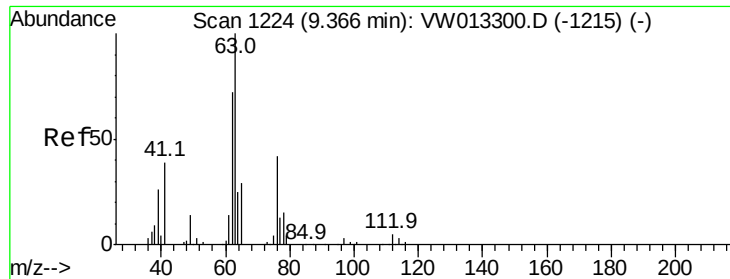


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 25.605 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013303.D

Acq: 26 Sep 2019 12:44

Instrument :

MSVOA_W

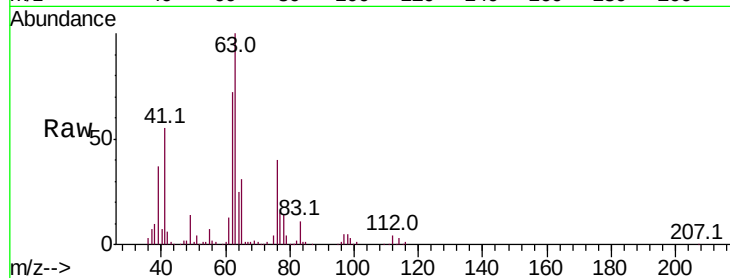
ClientSampleId :

Tot Ion: 63 Resp: 155272

Ion Ratio Lower Upper

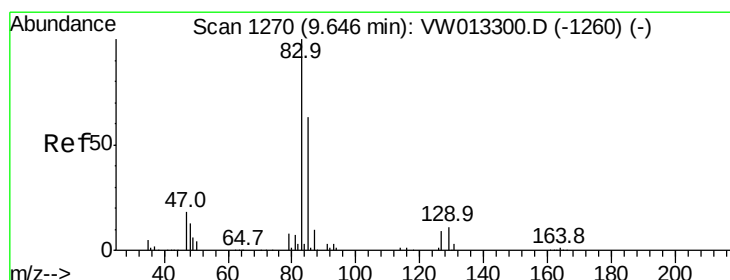
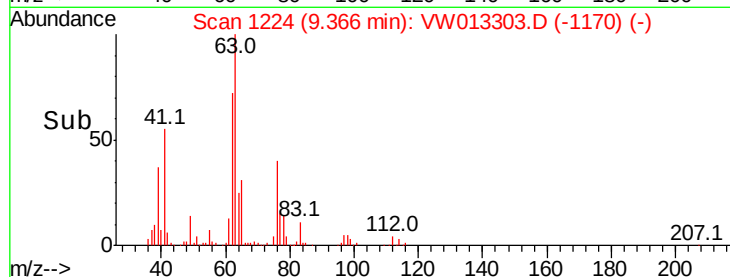
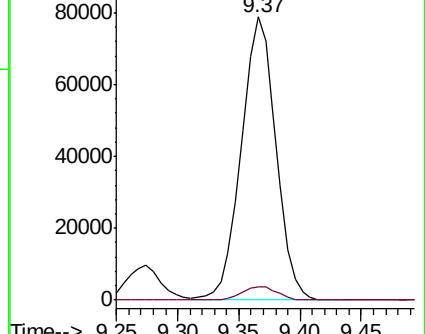
63 100

112 5.0 4.1 6.1



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 25.775 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW013303.D

Acq: 26 Sep 2019 12:44

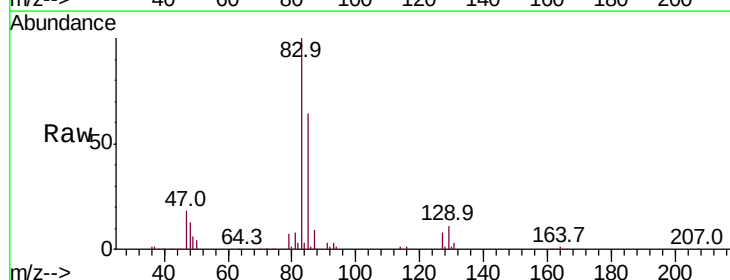
Tgt Ion: 83 Resp: 191781

Ion Ratio Lower Upper

83 100

85 64.3 43.8 81.4

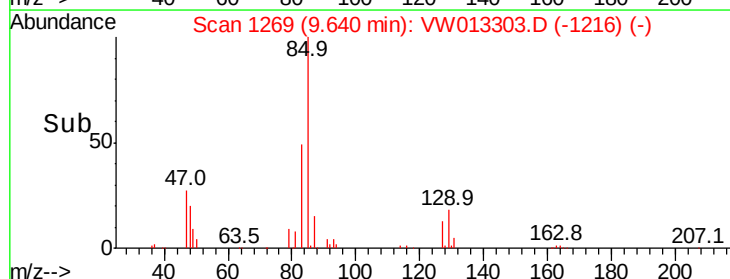
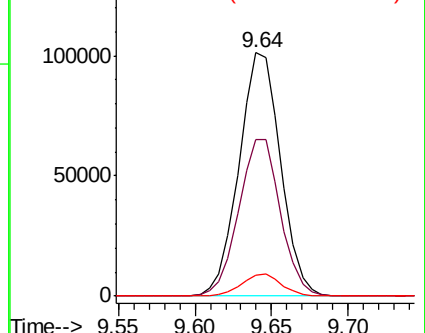
127 8.3 7.0 10.6

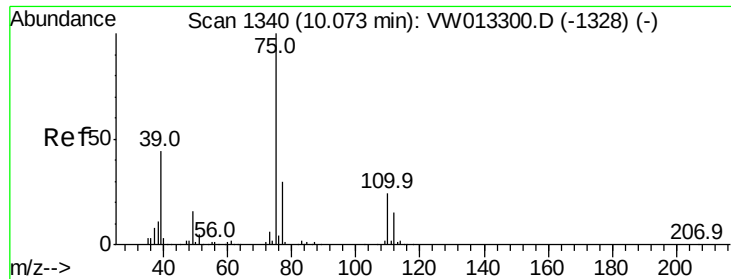


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 25.836 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013303.D

Acq: 26 Sep 2019 12:44

Instrument :

MSVOA_W

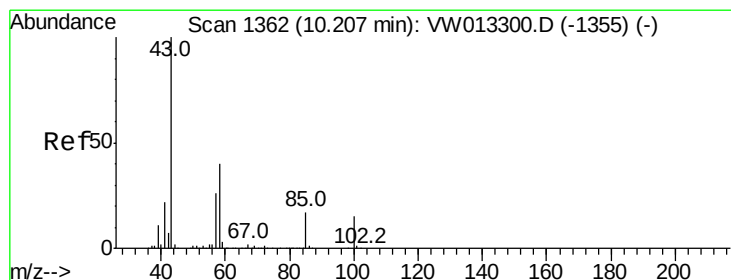
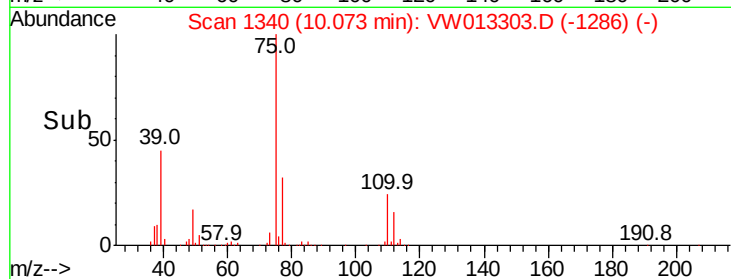
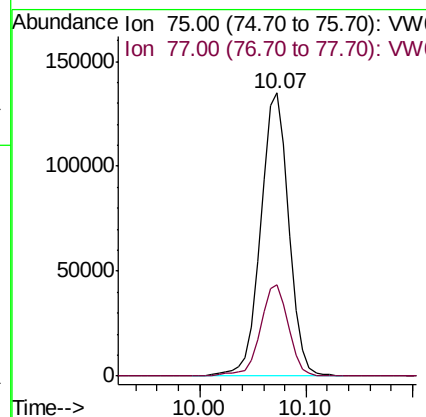
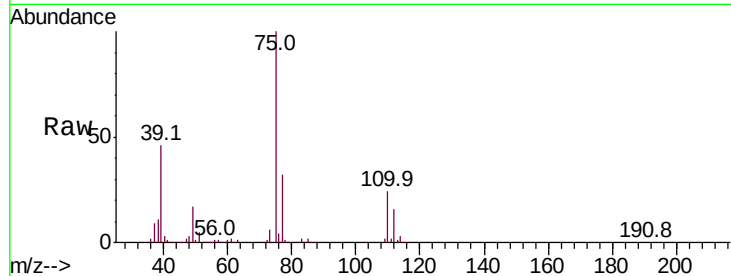
ClientSampled :

Tot Ion: 75 Resp: 250268

Ion Ratio Lower Upper

75 100

77 32.5 21.3 39.5



#43

4-Methyl-2-pentanone

Concen: 52.980 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013303.D

Acq: 26 Sep 2019 12:44

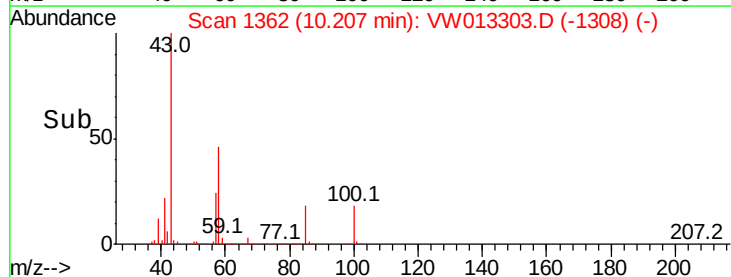
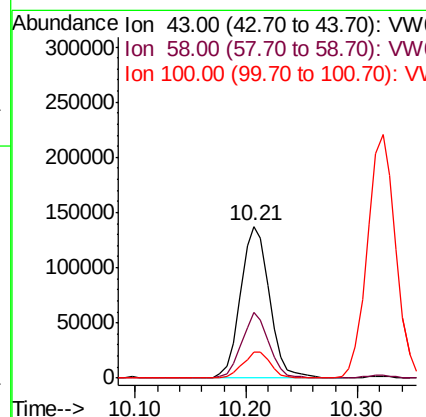
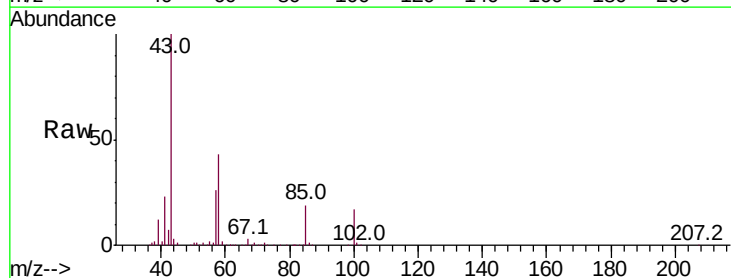
Tgt Ion: 43 Resp: 245957

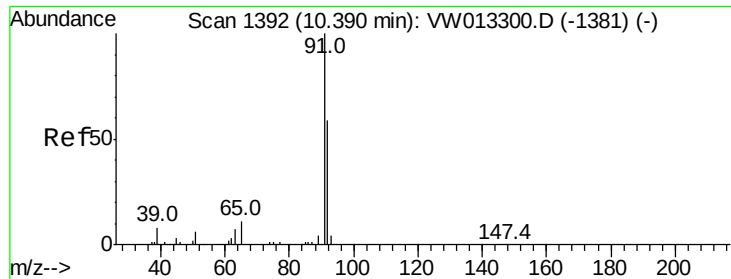
Ion Ratio Lower Upper

43 100

58 40.8 32.7 49.1

100 16.5 12.9 19.3

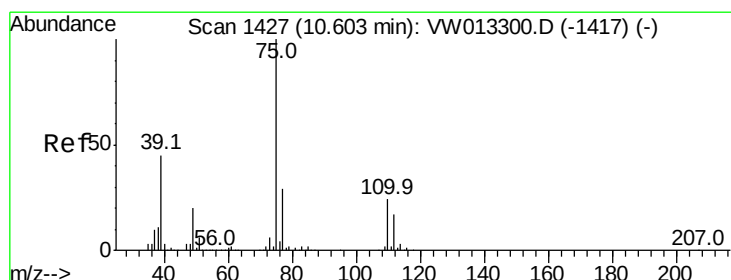
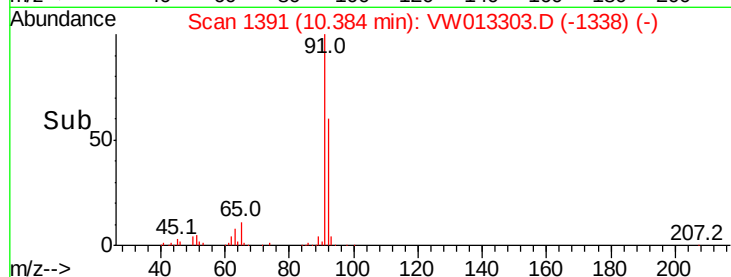
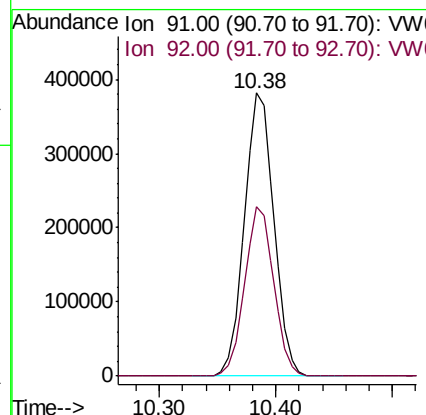
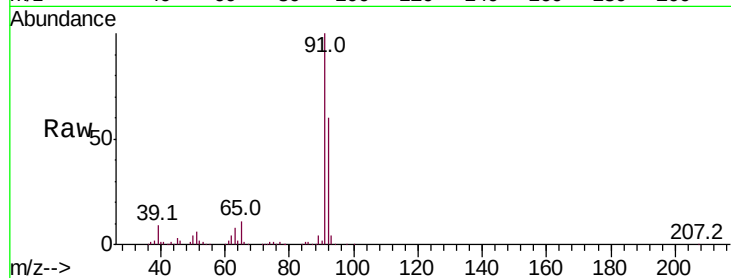




#44
Toluene
Concen: 25.181 ug/L
RT: 10.38 min Scan# 1391
Delta R.T. -0.01 min
Lab File: VW013303.D
Acq: 26 Sep 2019 12:44

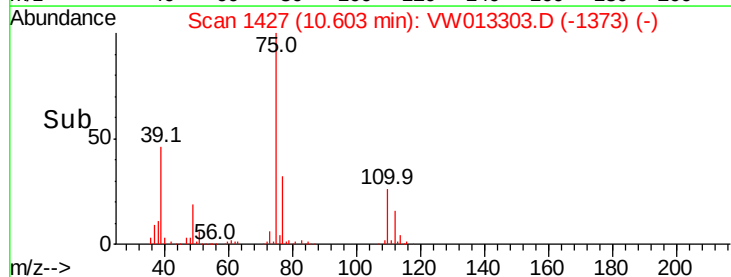
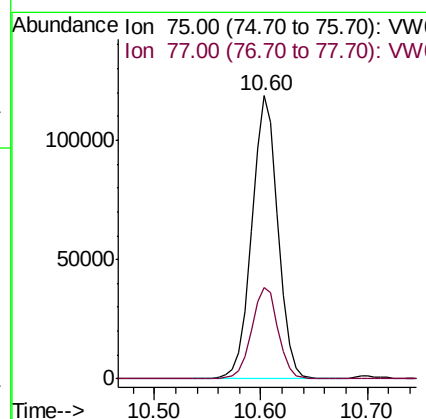
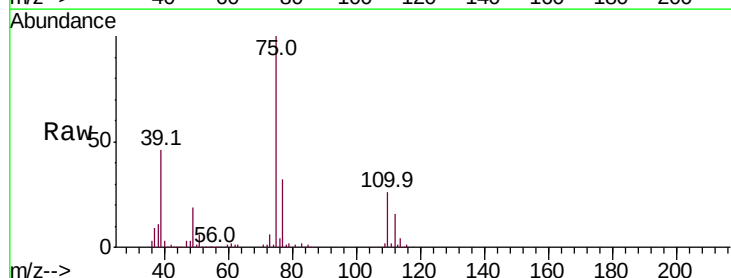
Instrument :
MSVOA_W
ClientSampleId :

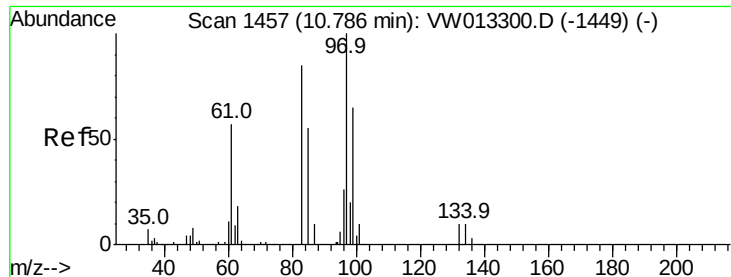
Tot Ion: 91 Resp: 675763
Ion Ratio Lower Upper
91 100
92 59.7 41.5 77.1



#45
trans-1,3-Dichloropropene
Concen: 26.195 ug/L
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW013303.D
Acq: 26 Sep 2019 12:44

Tgt Ion: 75 Resp: 203959
Ion Ratio Lower Upper
75 100
77 32.1 20.5 38.1

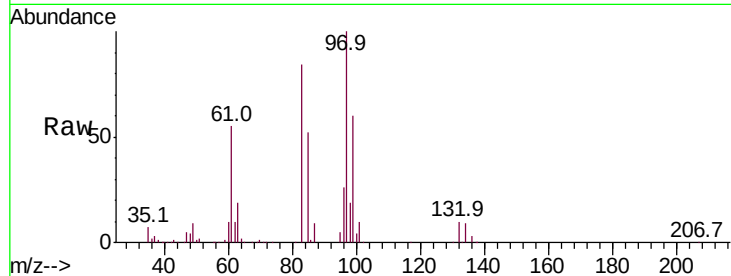




#46
1,1,2-Trichloroethane
Concen: 25.773 ug/L
RT: 10.79 min Scan# 1457
Delta R.T. -0.00 min
Lab File: VW013303.D
Acq: 26 Sep 2019 12:44

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:	97	Resp:	122461
Ion	Ratio	Lower	Upper
97	100		
83	83.6	59.4	110.2
85	51.6	38.7	71.9
99	60.0	45.8	85.0



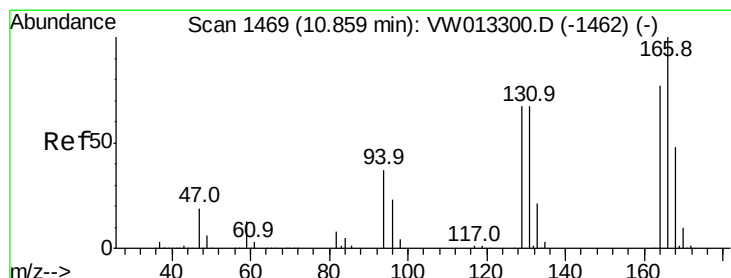
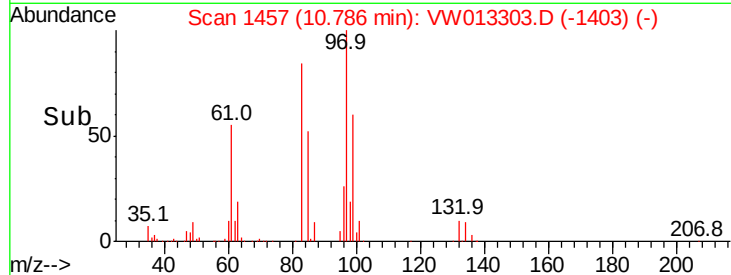
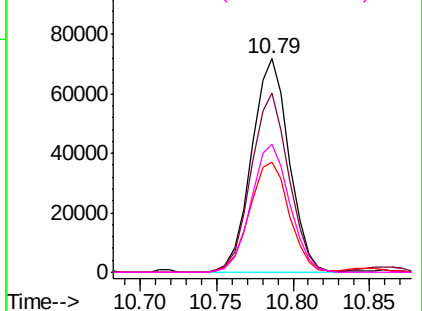
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

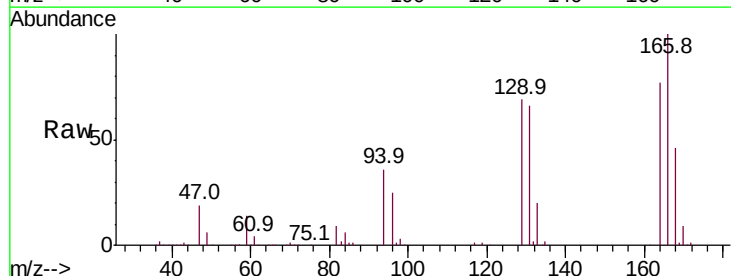
Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47
Tetrachloroethene
Concen: 24.292 ug/L
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013303.D
Acq: 26 Sep 2019 12:44

Tgt Ion:	164	Resp:	141545
Ion	Ratio	Lower	Upper
164	100		
129	90.0	60.5	112.5
131	86.1	60.6	112.6
166	129.7	90.6	168.2



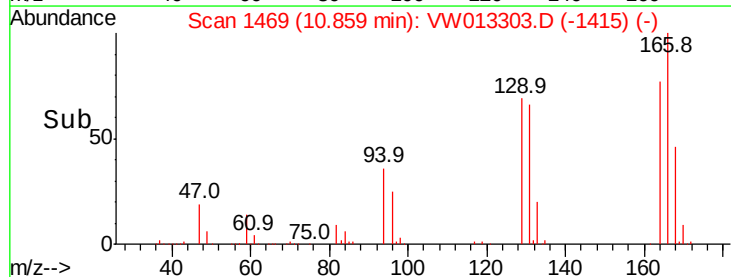
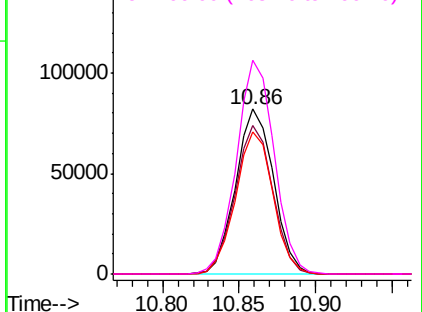
Abundance

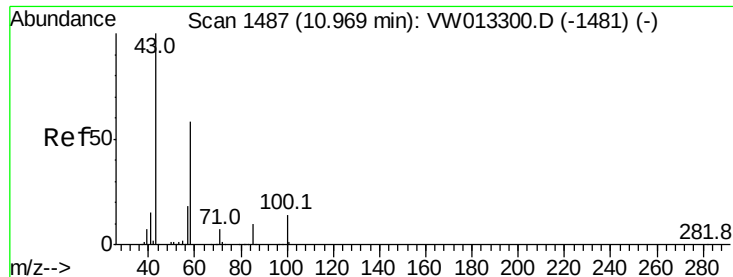
Ion 164.00 (163.70 to 164.70): V

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

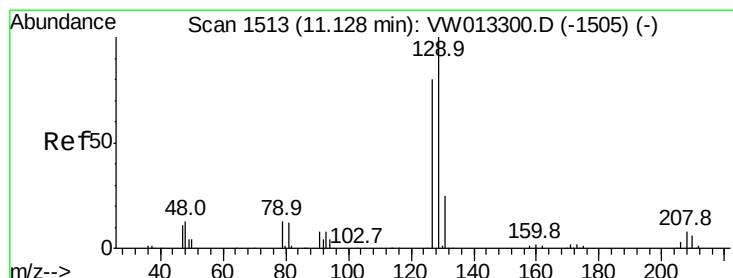
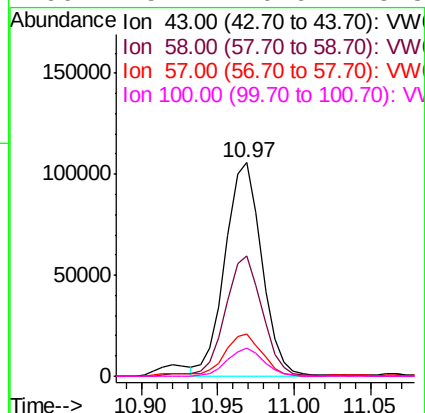
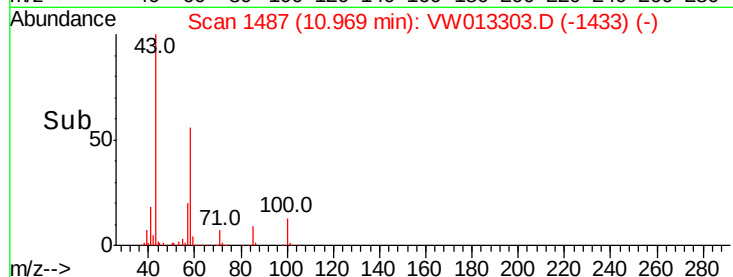
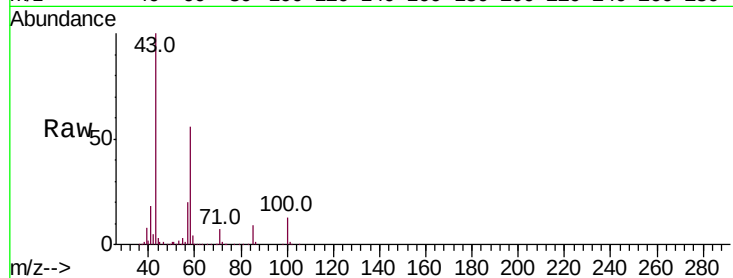




#49
2-Hexanone
Concen: 53.002 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013303.D
Acq: 26 Sep 2019 12:44

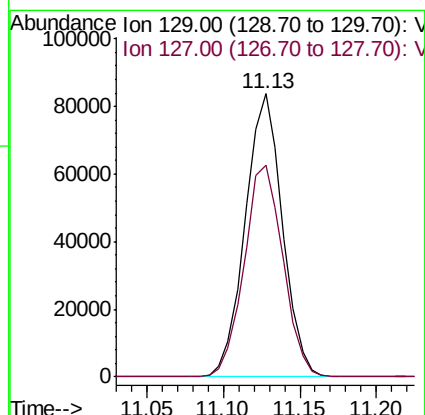
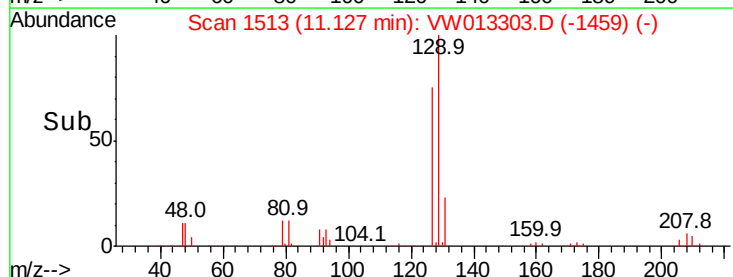
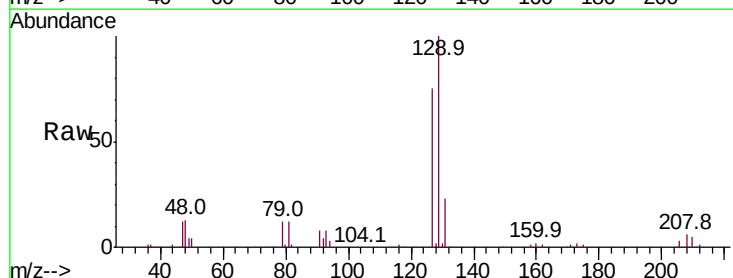
Instrument :
MSVOA_W
ClientSampleId :

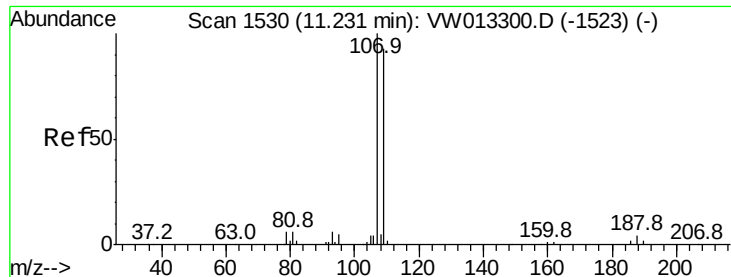
Tot Ion	Ratio	Lower	Upper
43	100		
58	56.9	44.3	66.5
57	19.6	15.3	22.9
100	13.2	10.6	15.8



#50
Dibromochloromethane
Concen: 26.042 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013303.D
Acq: 26 Sep 2019 12:44

Tgt Ion	Ratio	Lower	Upper
129	100		
127	74.9	56.1	104.1





#51

1,2-Dibromoethane

Concen: 26.178 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW013303.D

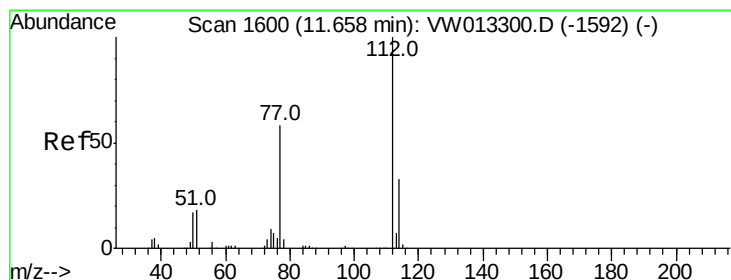
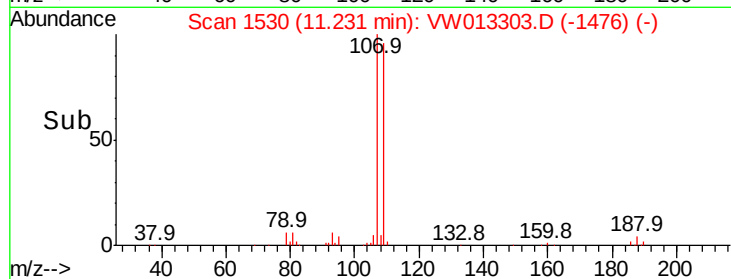
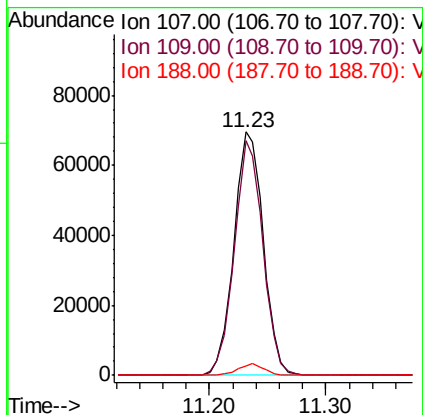
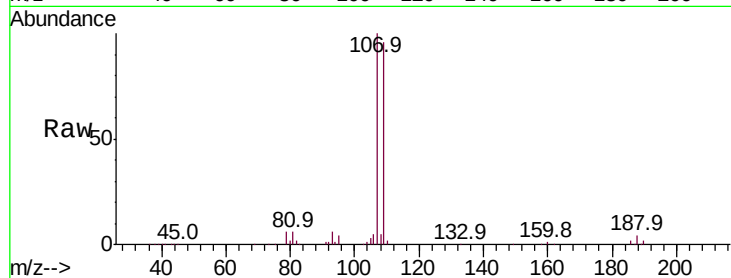
Acq: 26 Sep 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:	107	Resp:	122201
Ion	Ratio	Lower	Upper
107	100		
109	96.2	65.5	121.6
188	3.8	3.0	4.6



#52

Chlorobenzene

Concen: 25.566 ug/L

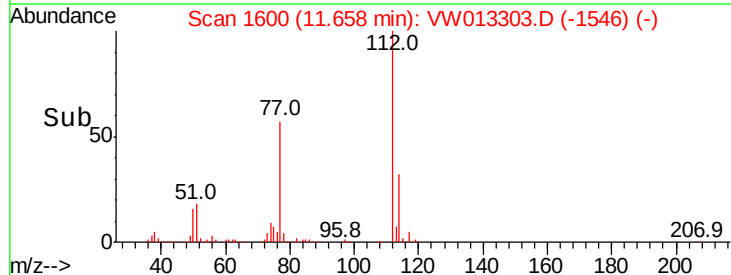
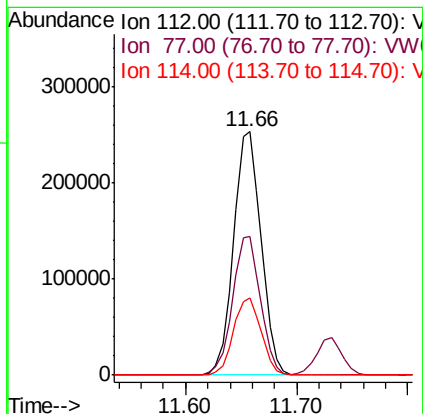
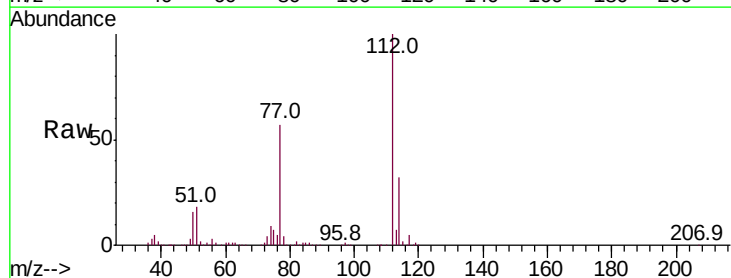
RT: 11.66 min Scan# 1600

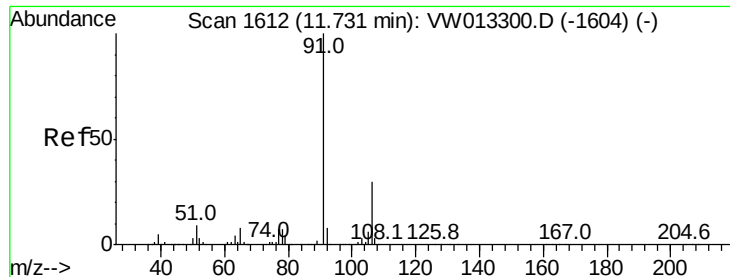
Delta R.T. -0.00 min

Lab File: VW013303.D

Acq: 26 Sep 2019 12:44

Tgt Ion:	112	Resp:	432308
Ion	Ratio	Lower	Upper
112	100		
77	56.7	46.5	69.7
114	31.8	23.0	42.8

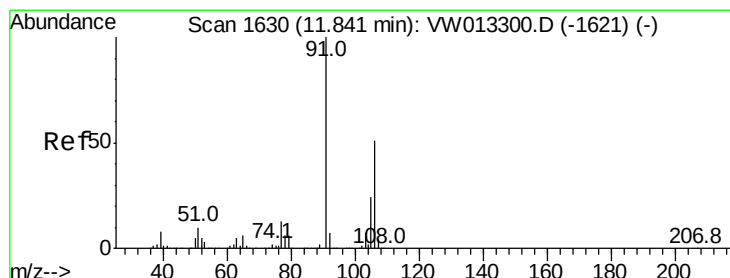
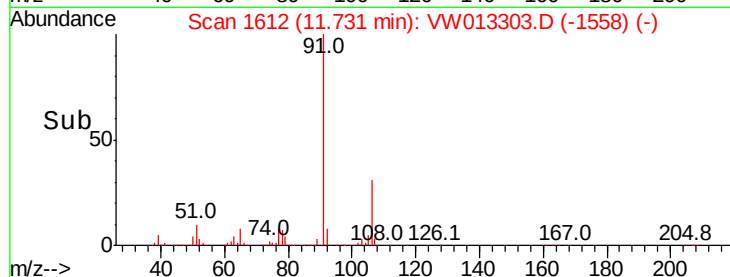
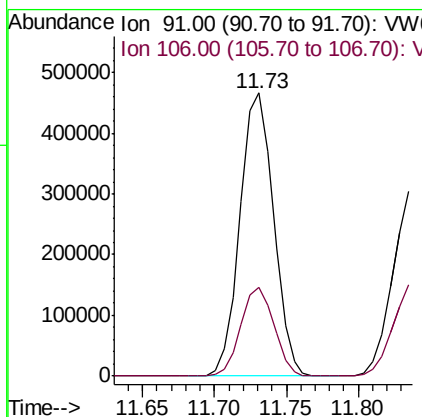
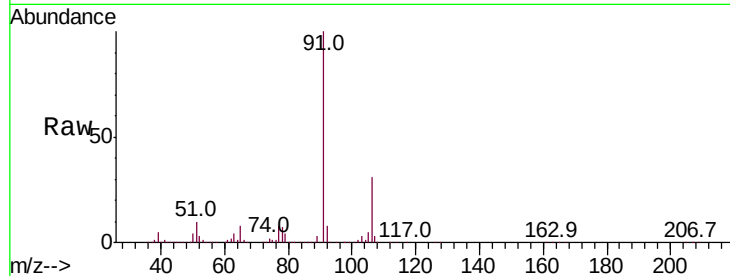




#53
Ethylbenzene
Concen: 25.479 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013303.D
Acq: 26 Sep 2019 12:44

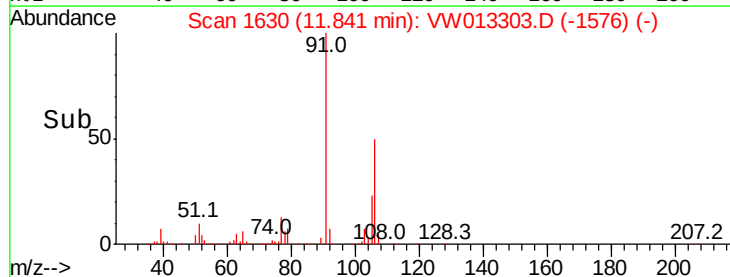
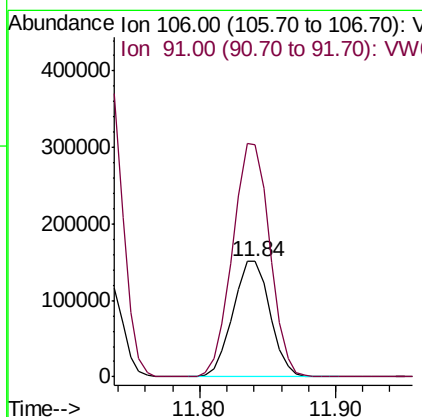
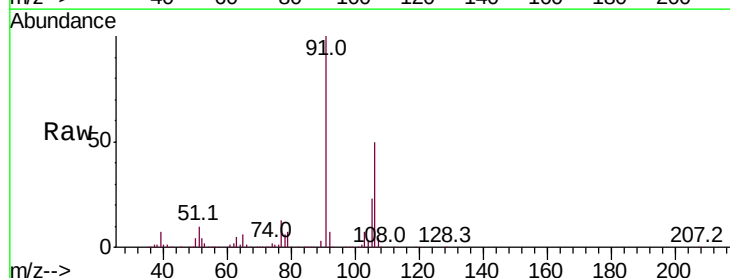
Instrument :
MSVOA_W
ClientSampleId :

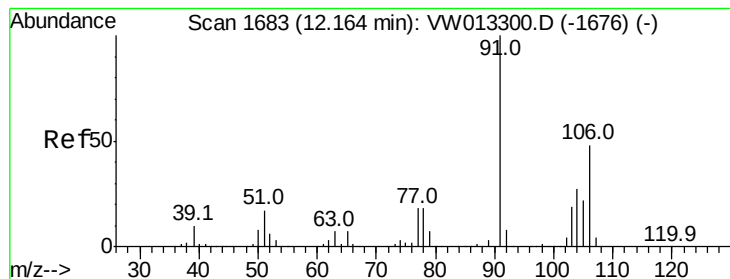
Tot Ion: 91 Resp: 757937
Ion Ratio Lower Upper
91 100
106 31.2 20.8 38.6



#54
m,p-Xylene
Concen: 25.211 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW013303.D
Acq: 26 Sep 2019 12:44

Tgt Ion:106 Resp: 287964
Ion Ratio Lower Upper
106 100
91 201.3 138.3 256.9





#55

o-xylene

Concen: 25.591 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW013303.D

Acq: 26 Sep 2019 12:44

Instrument :

MSVOA_W

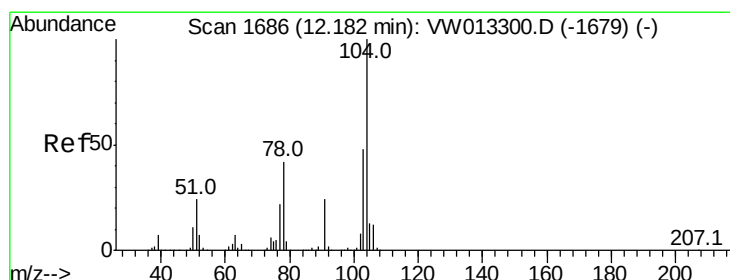
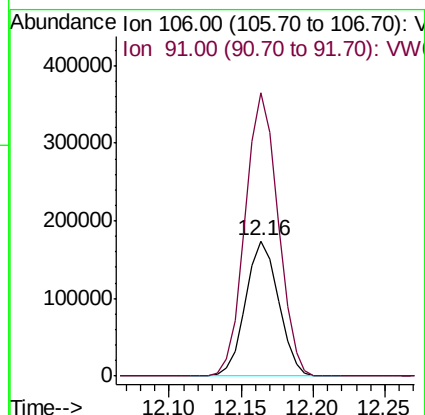
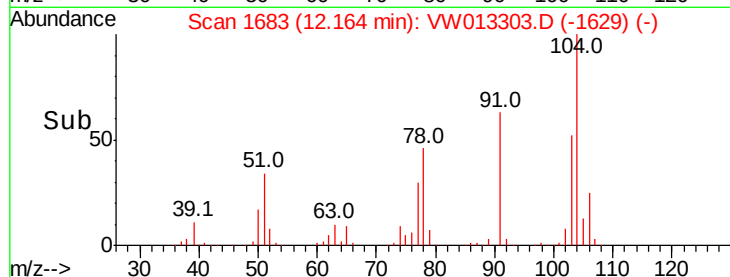
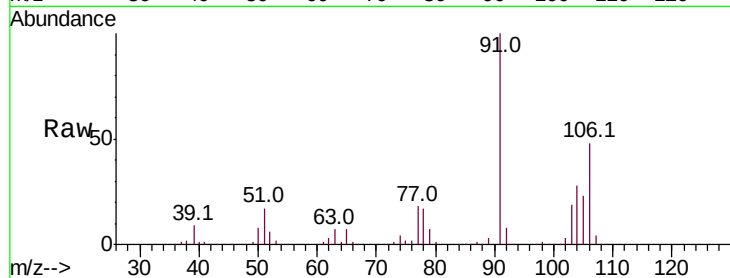
ClientSampled :

Tot Ion:106 Resp: 275829

Ion Ratio Lower Upper

106 100

91 209.6 145.9 271.1



#56

Styrene

Concen: 25.919 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW013303.D

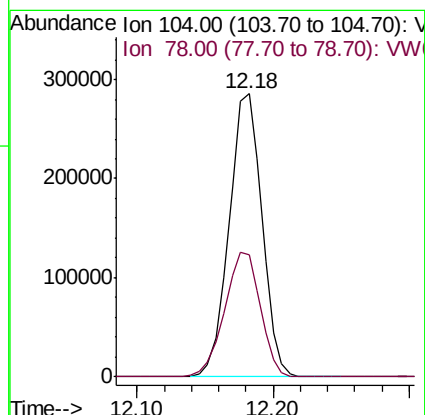
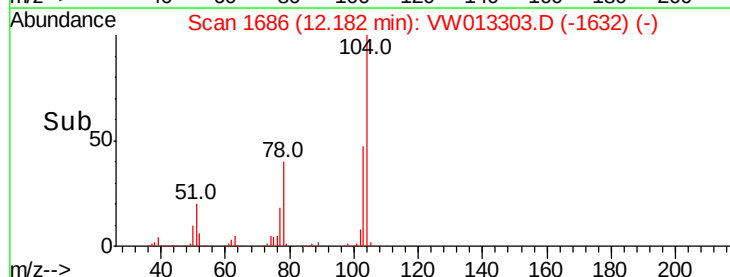
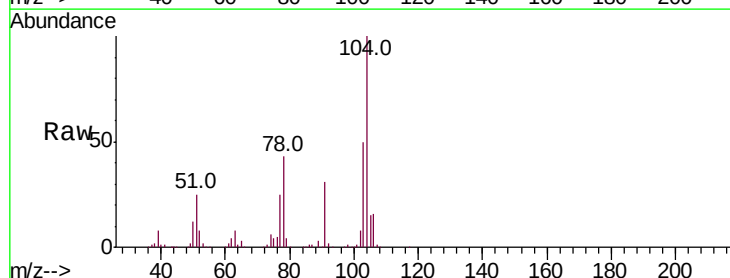
Acq: 26 Sep 2019 12:44

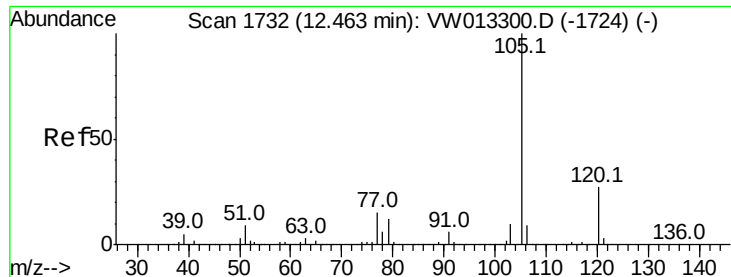
Tgt Ion:104 Resp: 479000

Ion Ratio Lower Upper

104 100

78 43.1 29.8 55.4





#57

Isopropylbenzene

Concen: 25.762 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013303.D

Acq: 26 Sep 2019 12:44

Instrument :

MSVOA_W

ClientSampled :

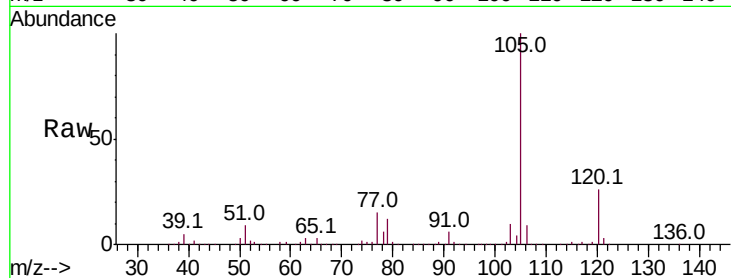
Tot Ion:105 Resp: 750845

Ion Ratio Lower Upper

105 100

120 26.8 21.4 32.2

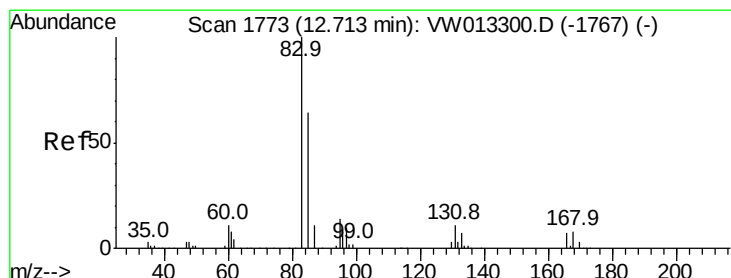
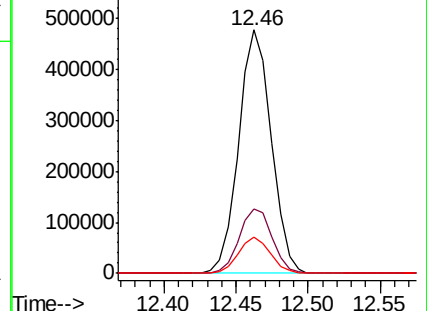
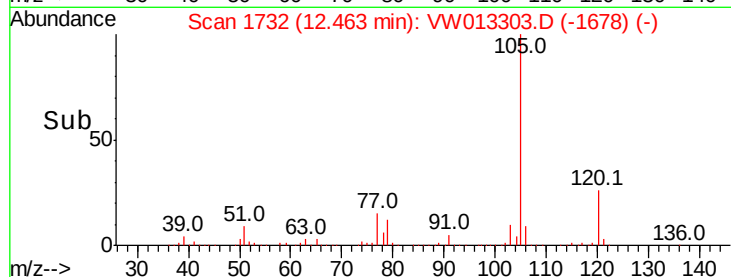
77 14.7 11.8 17.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 26.129 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013303.D

Acq: 26 Sep 2019 12:44

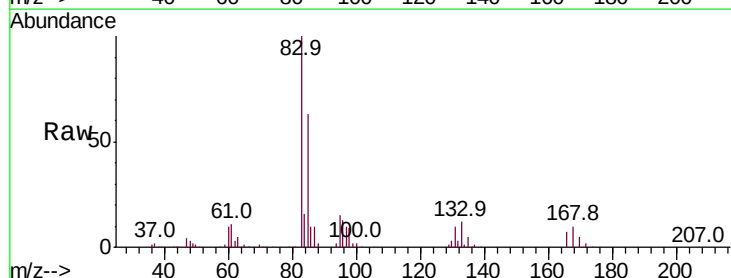
Tgt Ion: 83 Resp: 152951

Ion Ratio Lower Upper

83 100

85 63.1 45.2 84.0

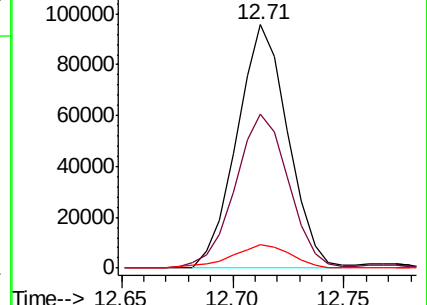
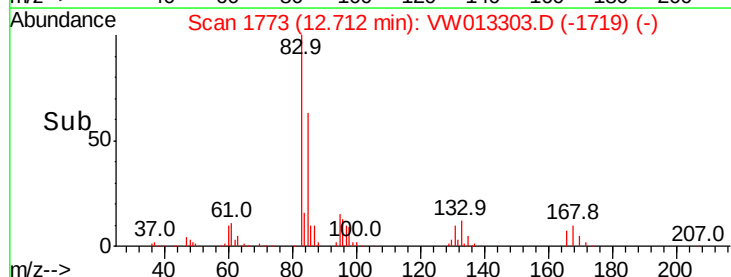
131 9.8 8.9 13.3

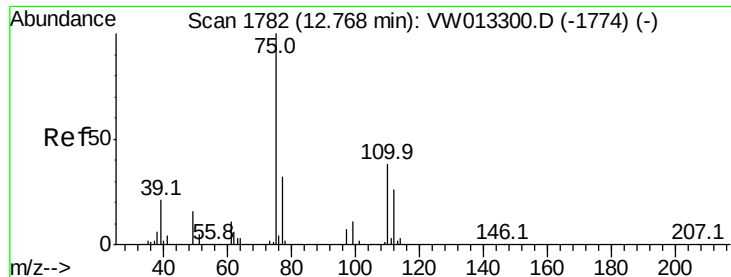


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 25.795 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013303.D

Acq: 26 Sep 2019 12:44

Instrument :

MSVOA_W

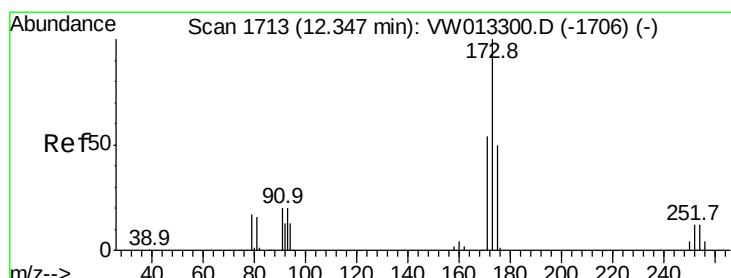
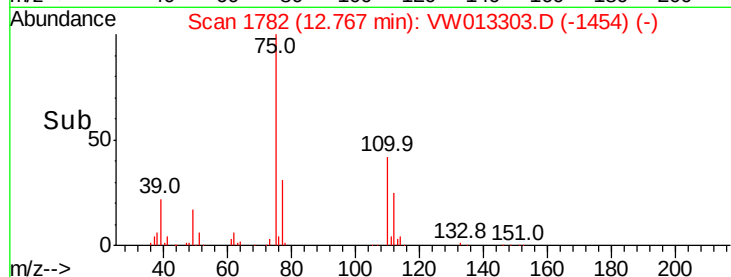
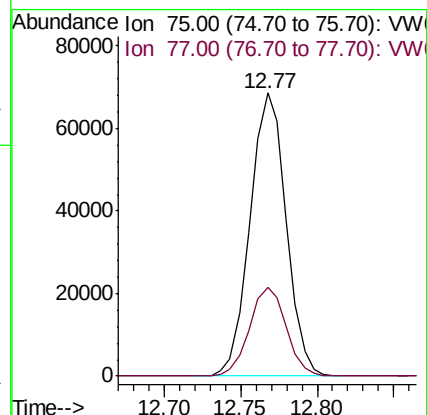
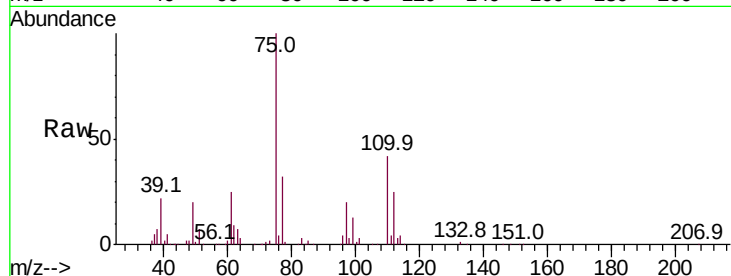
ClientSampleId :

Tot Ion: 75 Resp: 112674

Ion Ratio Lower Upper

75 100

77 32.0 25.8 38.8



#62

Bromoform

Concen: 25.670 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013303.D

Acq: 26 Sep 2019 12:44

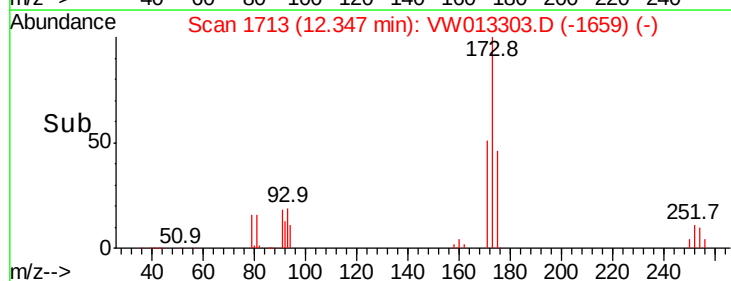
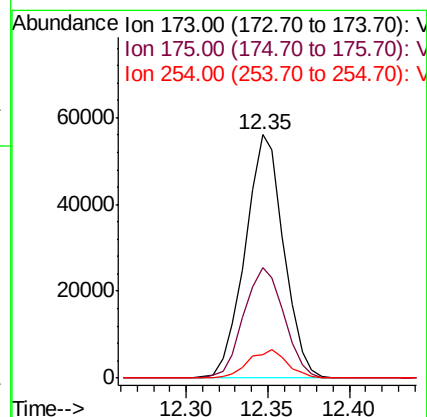
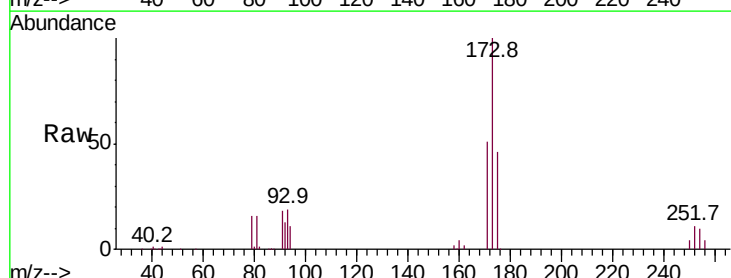
Tgt Ion:173 Resp: 92500

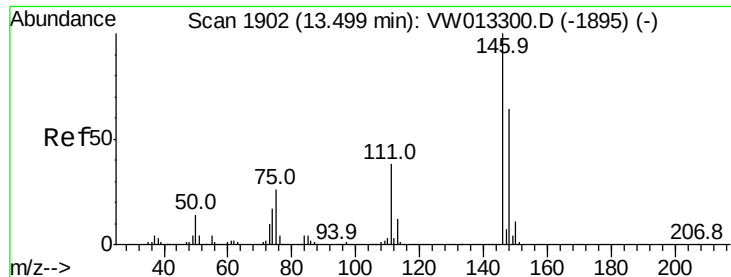
Ion Ratio Lower Upper

173 100

175 47.4 39.3 58.9

254 11.8 9.1 13.7

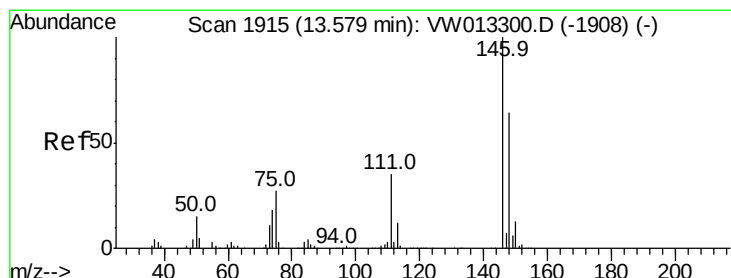
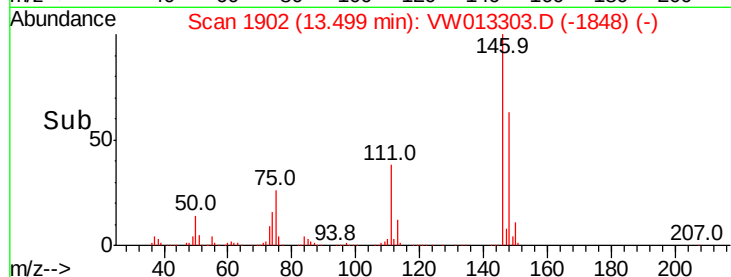
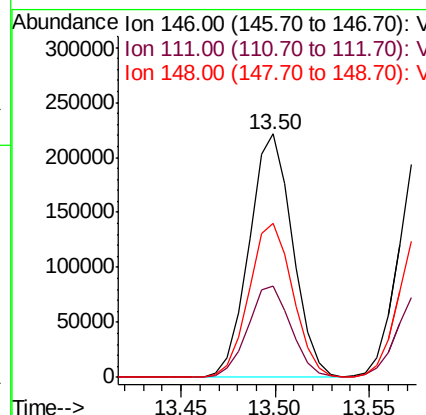
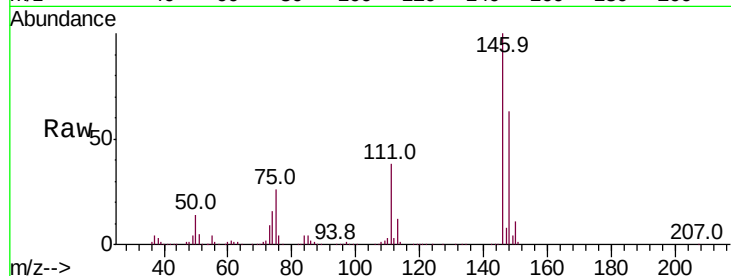




#63
 1,3-Dichlorobenzene
 Concen: 25.113 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013303.D
 Acq: 26 Sep 2019 12:44

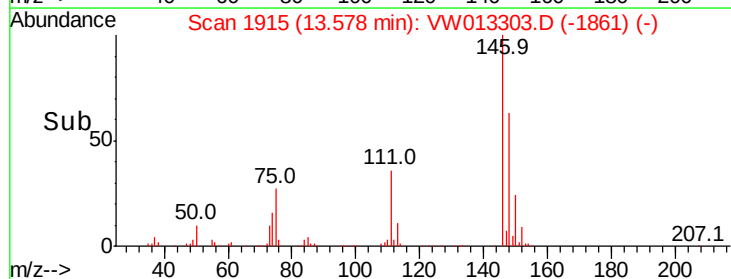
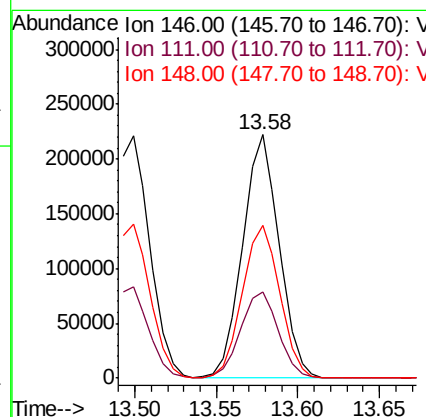
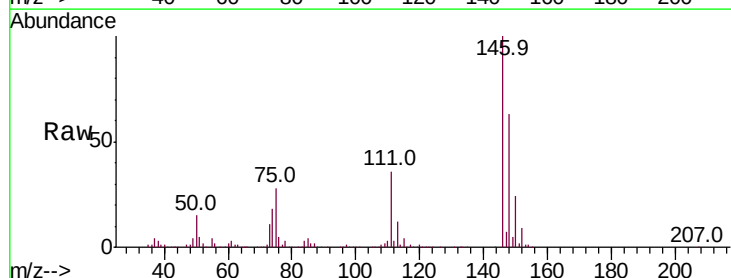
Instrument :
 MSVOA_W
 ClientSampled :

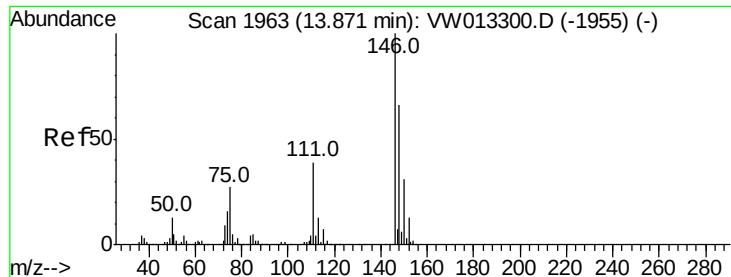
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	26.7	49.5
148	63.4	45.0	83.6



#64
 1,4-Dichlorobenzene
 Concen: 24.506 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013303.D
 Acq: 26 Sep 2019 12:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.5	24.2	45.0
148	63.0	45.1	83.7

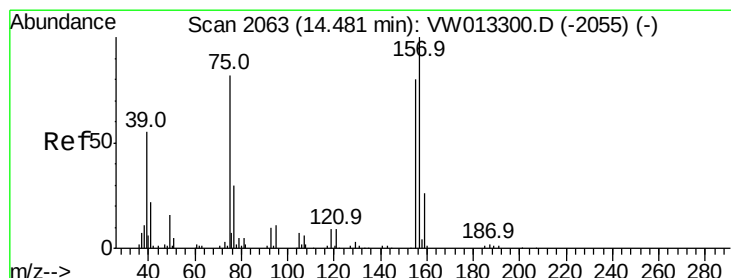
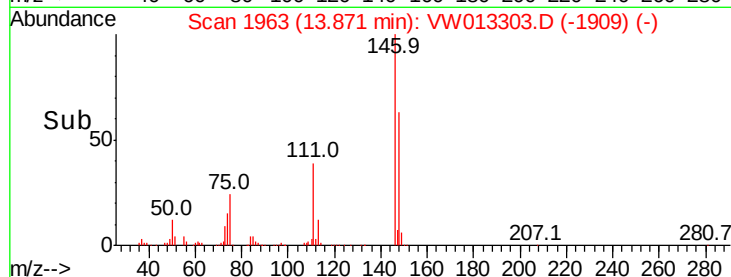
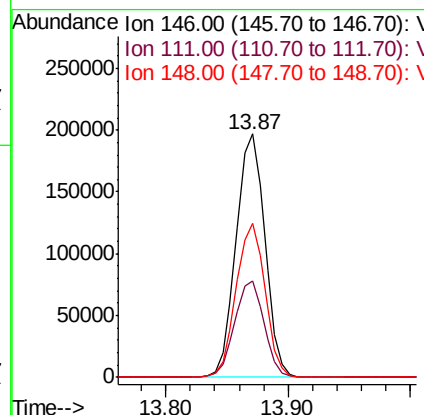
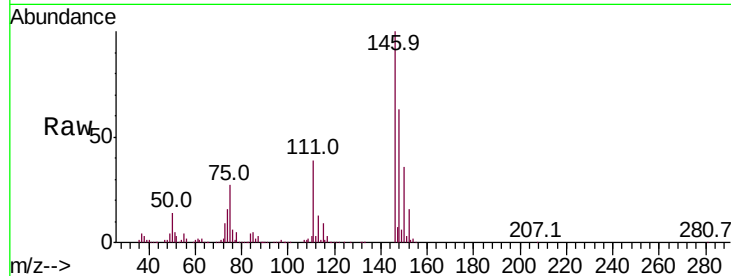




#65
 1,2-Dichlorobenzene
 Concen: 25.091 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013303.D
 Acq: 26 Sep 2019 12:44

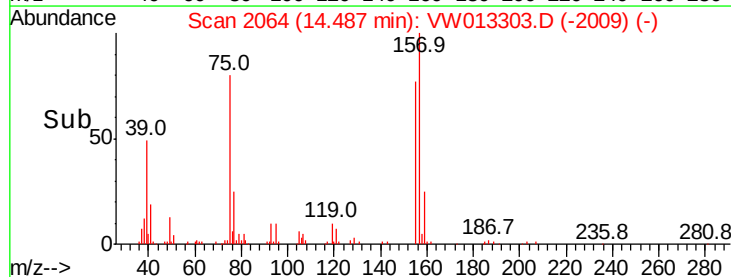
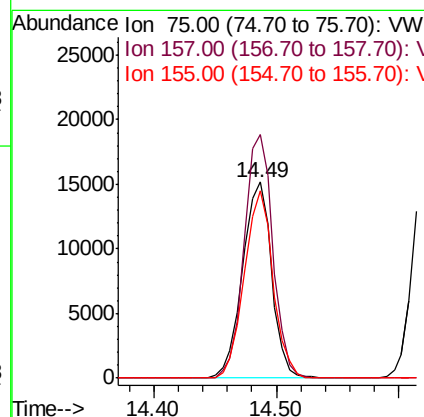
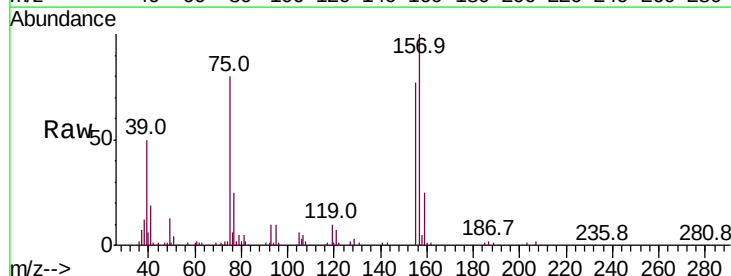
Instrument :
 MSVOA_W
 ClientSampled :

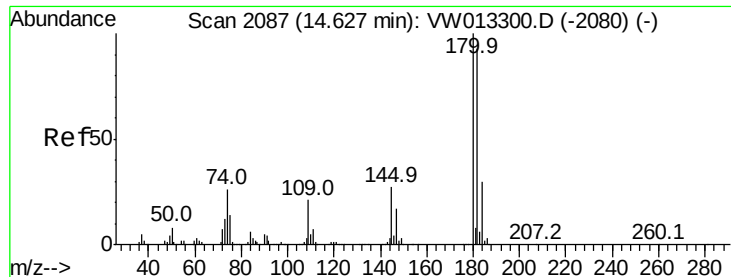
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	30.8	46.2
148	63.2	52.5	78.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 24.895 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW013303.D
 Acq: 26 Sep 2019 12:44

Tgt Ion	Ratio	Lower	Upper
75	100		
157	124.3	97.8	146.8
155	95.9	78.4	117.6

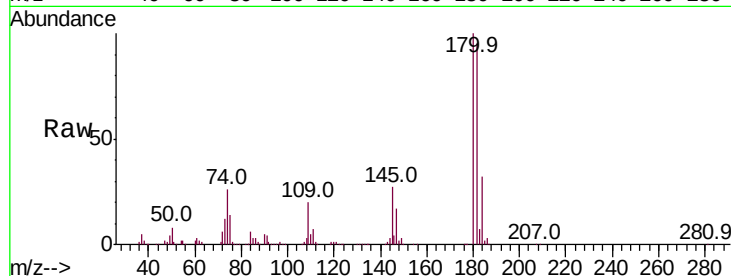




#67
 1,3,5-Trichlorobenzene
 Concen: 25.221 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW013303.D
 Acq: 26 Sep 2019 12:44

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Resp	Lower	Upper
180	100	272175		
182	95.9		76.4	114.6
184	30.6		23.9	35.9
145	26.7		21.7	32.5



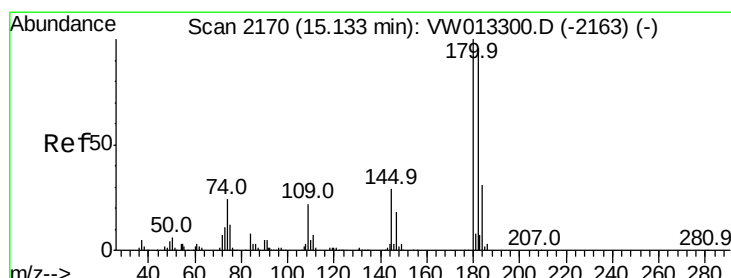
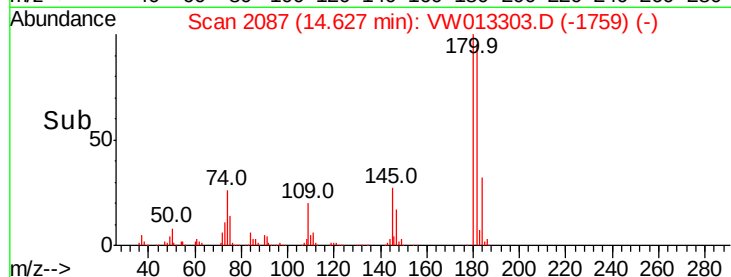
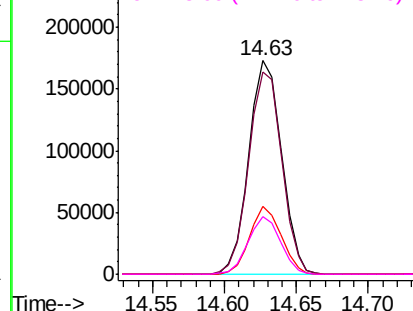
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

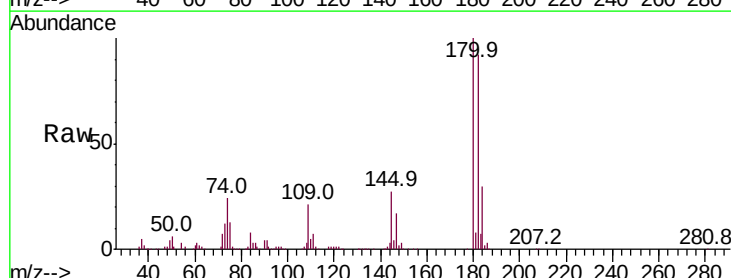
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 25.689 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013303.D
 Acq: 26 Sep 2019 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	221296		
182	95.9		75.9	113.9
145	28.4		23.0	34.4

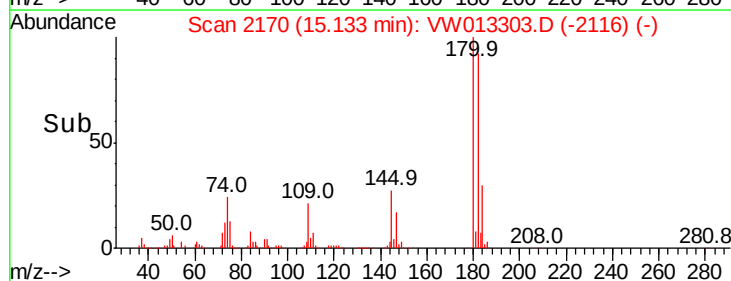
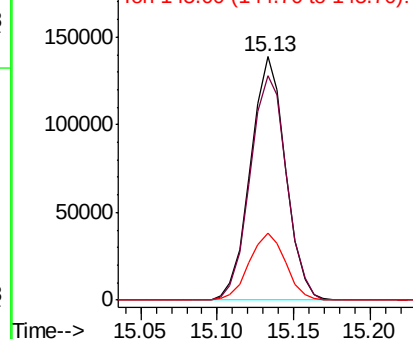


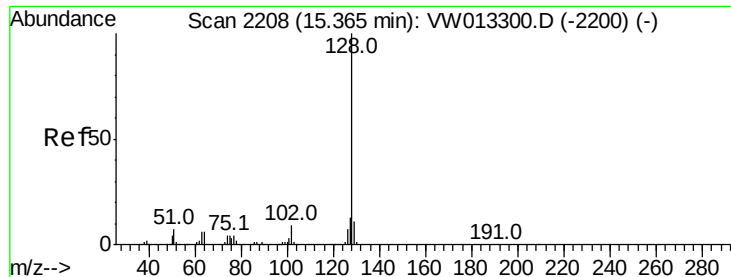
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 27.335 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW013303.D

Acq: 26 Sep 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

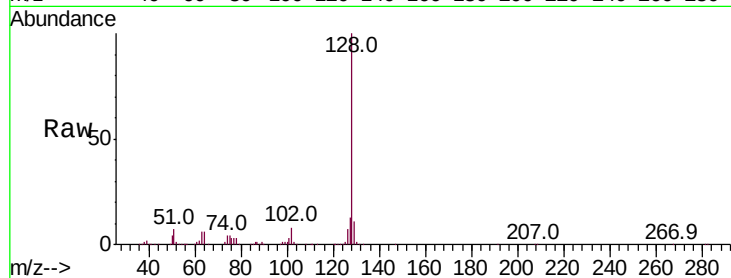
Tot Ion:128 Resp: 449870

Ion Ratio Lower Upper

128 100

129 11.0 8.7 13.1

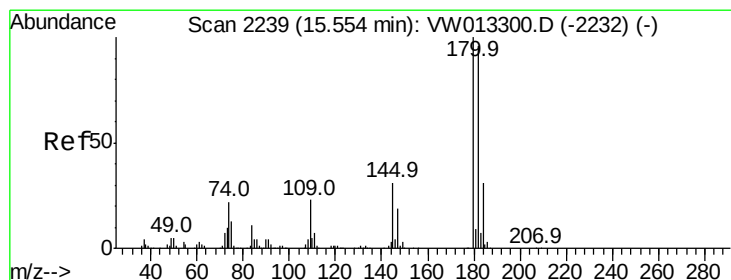
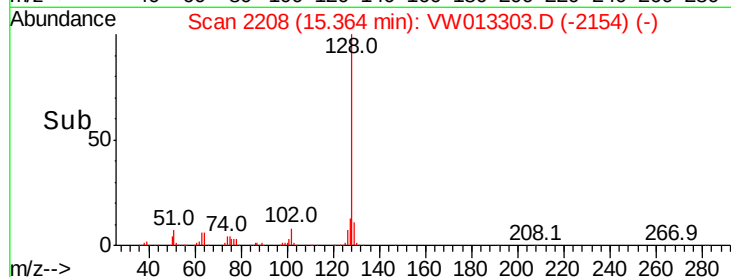
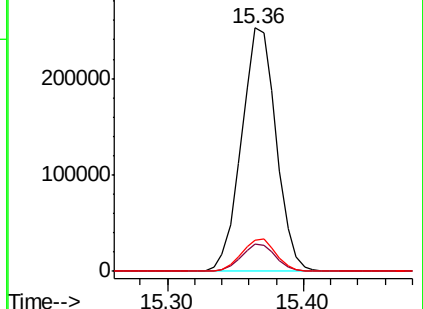
127 13.2 10.6 15.8



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: 25.660 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.01 min

Lab File: VW013303.D

Acq: 26 Sep 2019 12:44

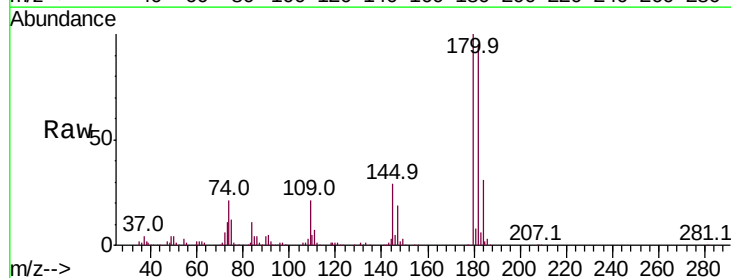
Tgt Ion:180 Resp: 201039

Ion Ratio Lower Upper

180 100

182 96.4 78.2 117.4

145 30.2 24.1 36.1



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

