

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101719\
 Data File : VW013612.D
 Acq On : 17 Oct 2019 15:13
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.08G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 17 16:59:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101019S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 17 16:56:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	453306	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	404140	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	206298	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	107482	20.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.88%
7) Chloroethane-d5	2.89	69	86110	21.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.48%
10) 1,1-Dichloroethene-d2	4.02	63	245605	22.81	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	91.24%
20) 2-Butanone-d5	7.08	46	83300	53.30	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.60%
24) Chloroform-d	7.65	84	235394	23.91	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.64%
26) 1,2-Dichloroethane-d4	8.30	65	120041	23.53	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.12%
29) Benzene-d6	8.27	84	495426	22.89	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.56%
33) 1,2-Dichloropropane-d6	9.27	67	146644	22.83	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.32%
37) Toluene-d8	10.32	98	457987	22.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.16%
38) trans-1,3-Dichloropropene-	10.58	79	63254	22.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.44%
39) 2-Hexanone-d5	10.93	63	65989	51.36	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.72%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	129306	25.11	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.44%
61) 1,2-Dichlorobenzene-d4	13.85	152	170057	22.94	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.76%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	72562	29.376	ug/L 95
3) Chloromethane	2.21	50	99090	22.831	ug/L 100
5) Vinyl chloride	2.36	62	149469	24.342	ug/L 99
6) Bromomethane	2.78	94	90831	24.151	ug/L 100
8) Chloroethane	2.93	64	84750	24.607	ug/L 98
9) Trichlorofluoromethane	3.26	101	81543	25.474	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	142974	25.167	ug/L 98
12) 1,1-Dichloroethene	4.04	96	141327	24.836	ug/L 93
13) Acetone	4.13	43	80607	44.879	ug/L 97
14) Carbon disulfide	4.38	76	409655	23.591	ug/L 99
15) Methyl Acetate	4.67	43	74203	26.485	ug/L 99
16) Methylene chloride	4.91	84	149078	21.713	ug/L 99
17) Methyl tert-butyl Ether	5.42	73	228901	25.032	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	148573	24.467	ug/L 98
19) 1,1-Dichloroethane	6.21	63	255190	25.031	ug/L 97
21) 2-Butanone	7.17	43	106039	48.259	ug/L 99
22) cis-1,2-Dichloroethene	7.16	96	160398	24.698	ug/L 99

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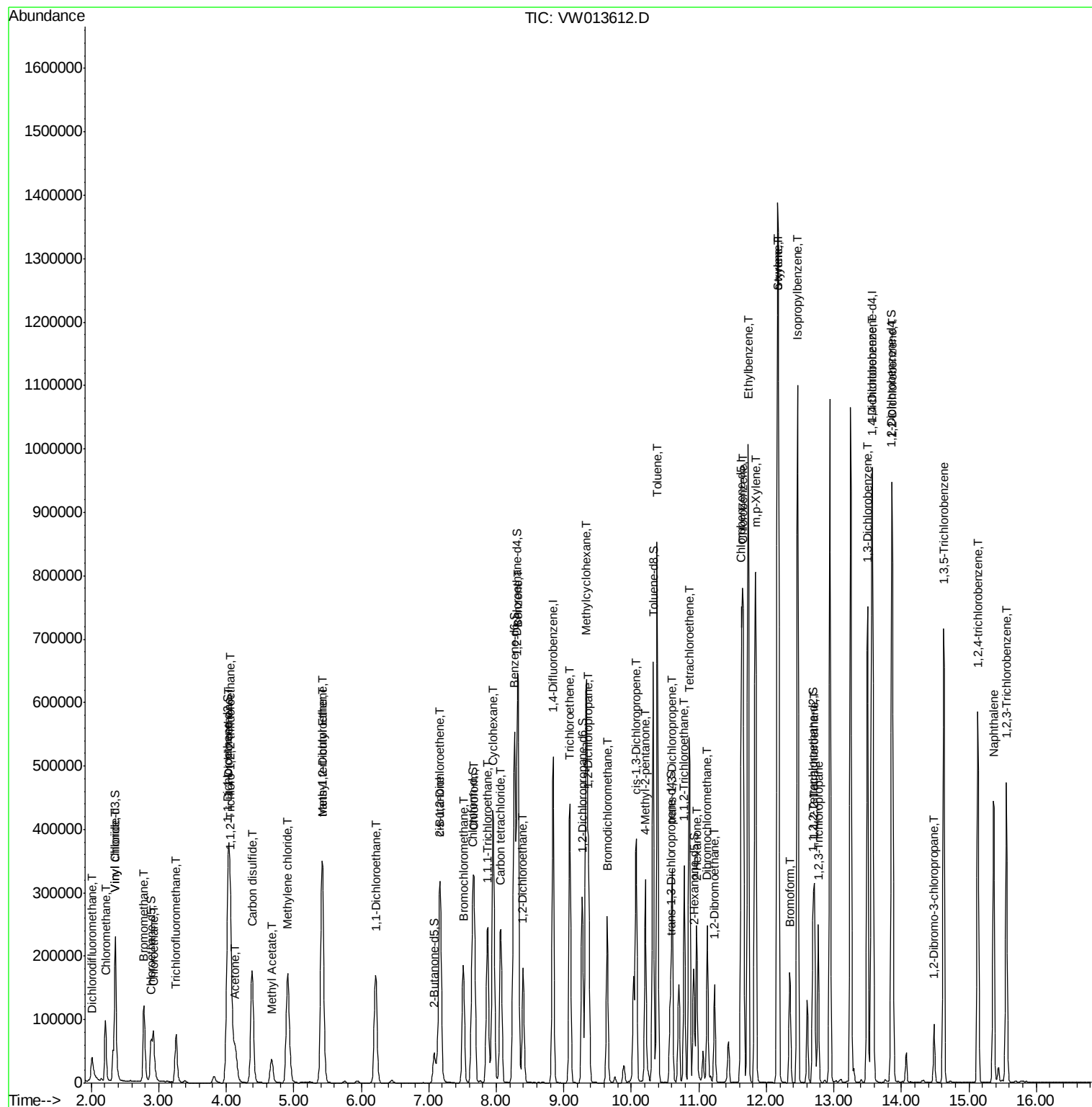
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	72029	24.769	ug/L	94
25) Chloroform	7.67	83	254403	25.295	ug/L	100
27) 1,2-Dichloroethane	8.40	62	163599	25.719	ug/L	98
30) Cyclohexane	7.95	56	250025	23.529	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	203640	25.018	ug/L	99
32) Carbon tetrachloride	8.07	117	194813	24.951	ug/L	99
34) Benzene	8.32	78	599593	24.558	ug/L	100
35) Trichloroethene	9.09	95	156693	24.604	ug/L	99
36) Methylcyclohexane	9.34	83	272600	23.538	ug/L	100
40) 1,2-Dichloropropane	9.37	63	143539	24.404	ug/L	100
41) Bromodichloromethane	9.64	83	182921	25.321	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	232221	24.611	ug/L	96
43) 4-Methyl-2-pentanone	10.21	43	209492	51.048	ug/L	99
44) Toluene	10.38	91	649906	24.562	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	188404	25.287	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	112273	25.147	ug/L	98
47) Tetrachloroethene	10.86	164	139972	24.115	ug/L	95
49) 2-Hexanone	10.97	43	154982	51.963	ug/L	99
50) Dibromochloromethane	11.13	129	135300	25.738	ug/L	97
51) 1,2-Dibromoethane	11.23	107	112121	25.564	ug/L	95
52) Chlorobenzene	11.66	112	410245	24.429	ug/L	100
53) Ethylbenzene	11.73	91	722235	24.659	ug/L	99
54) m,p-Xylene	11.83	106	275490	24.112	ug/L	96
55) o-xylene	12.16	106	263842	24.738	ug/L	97
56) Styrene	12.18	104	454005	24.995	ug/L	96
57) Isopropylbenzene	12.46	105	717680	24.806	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	139444	26.435	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	102965	26.141	ug/L	99
62) Bromoform	12.35	173	86242	25.991	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	331121	23.953	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	326068	23.696	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	300447	24.172	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	22307	25.996	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	246623	23.637	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	205977	23.818	ug/L	98
69) Naphthalene	15.36	128	394650	25.055	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	179878	23.359	ug/L	98

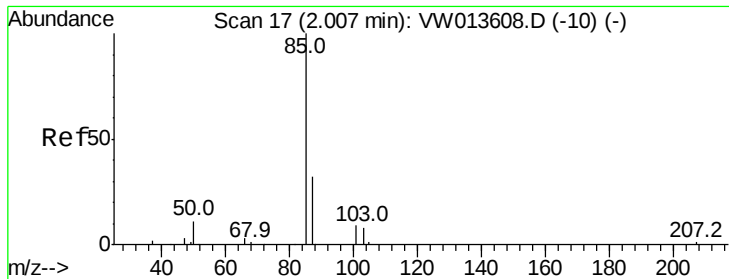
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 29.376 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW013612.D

Acq: 17 Oct 2019 15:13

Instrument :

MSVOA_W

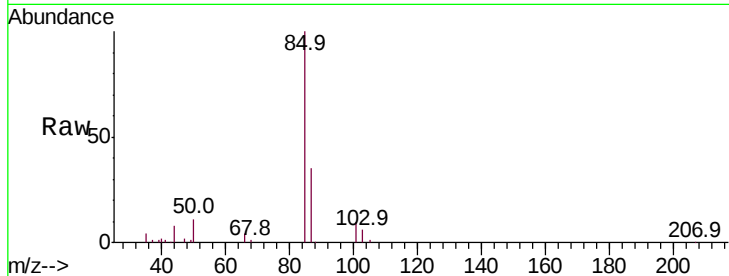
ClientSampleId :

Tot Ion: 85 Resp: 72562

Ion Ratio Lower Upper

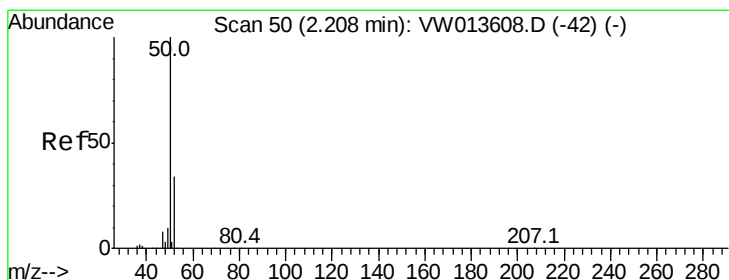
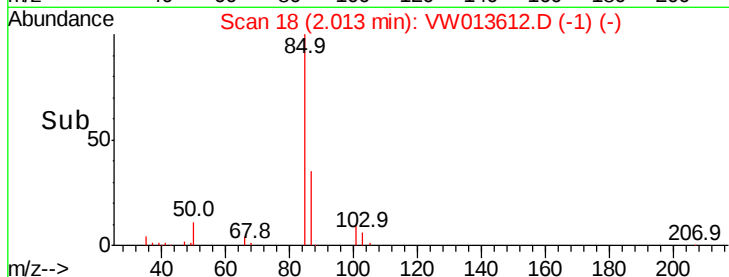
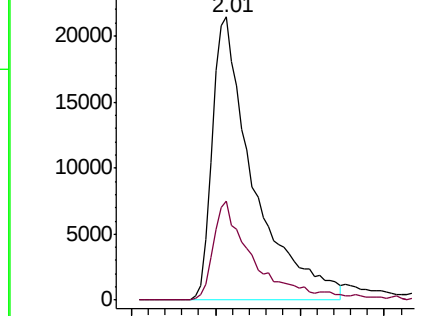
85 100

87 32.0 20.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 22.831 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW013612.D

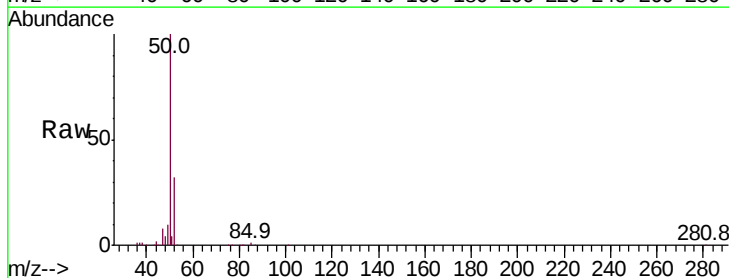
Acq: 17 Oct 2019 15:13

Tgt Ion: 50 Resp: 99090

Ion Ratio Lower Upper

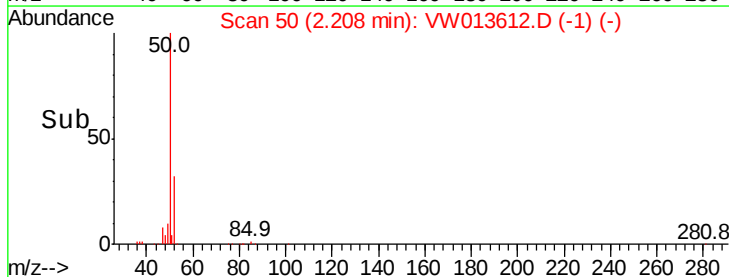
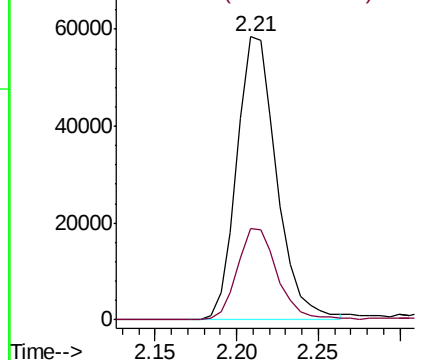
50 100

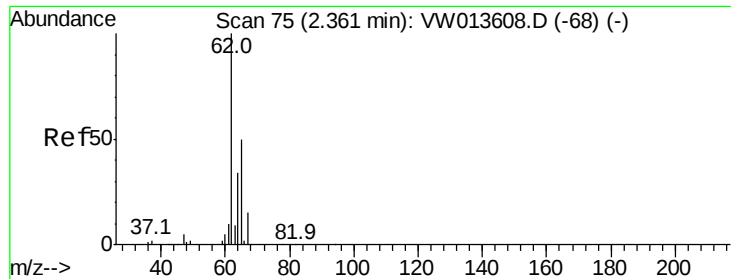
52 32.4 22.6 42.0



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 24.342 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.01 min

Lab File: VW013612.D

Acq: 17 Oct 2019 15:13

Instrument :

MSVOA_W

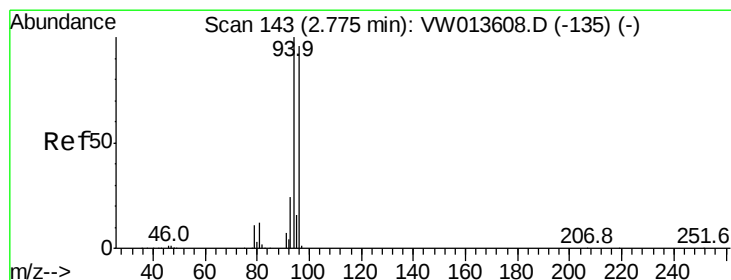
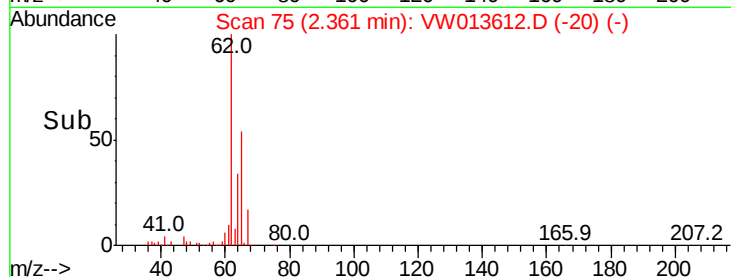
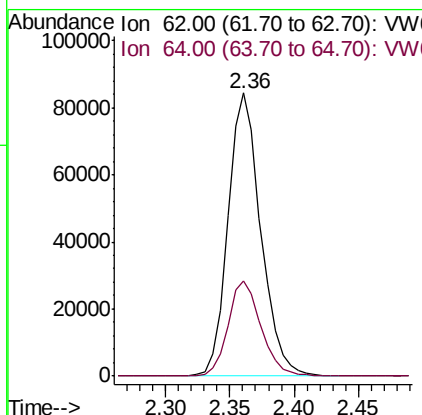
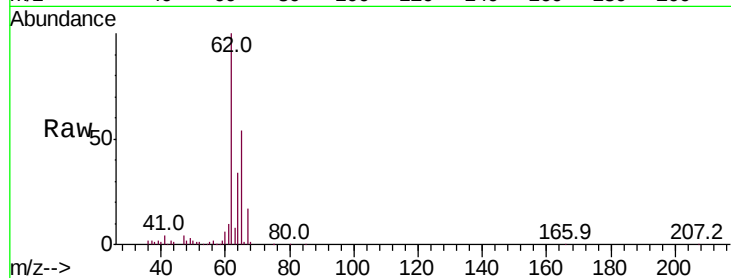
ClientSampleId :

Tot Ion: 62 Resp: 149469

Ion Ratio Lower Upper

62 100

64 33.7 23.9 44.3



#6

Bromomethane

Concen: 24.151 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW013612.D

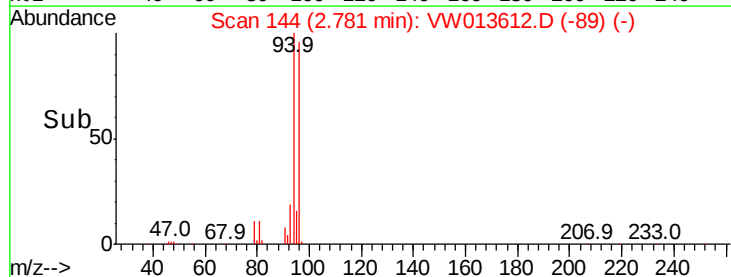
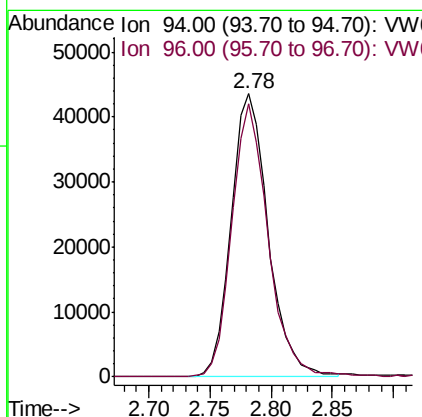
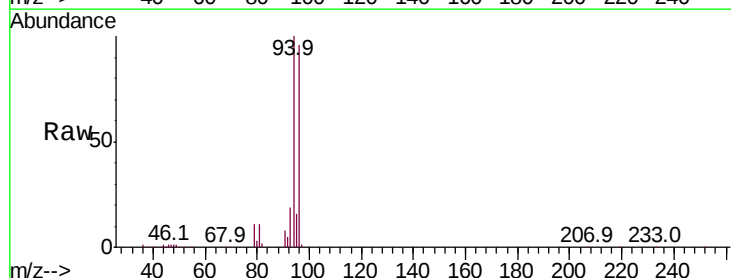
Acq: 17 Oct 2019 15:13

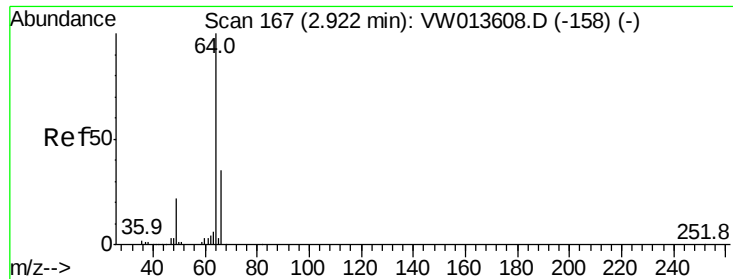
Tgt Ion: 94 Resp: 90831

Ion Ratio Lower Upper

94 100

96 94.4 9.5 179.9





#8

Chloroethane

Concen: 24.607 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW013612.D

Acq: 17 Oct 2019 15:13

Instrument :

MSVOA_W

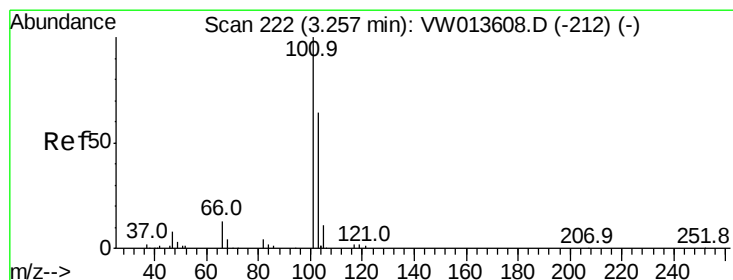
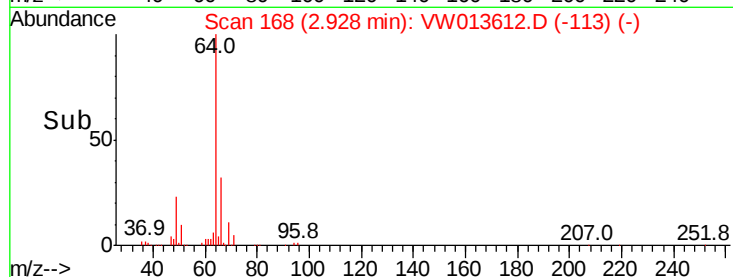
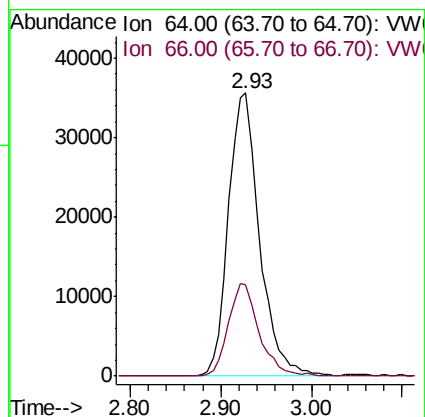
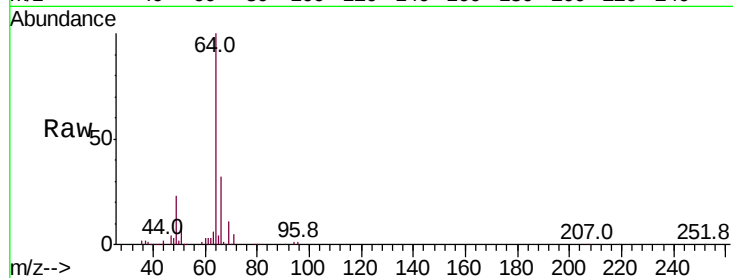
ClientSampled :

Tot Ion: 64 Resp: 84750

Ion Ratio Lower Upper

64 100

66 32.2 23.2 43.0



#9

Trichlorofluoromethane

Concen: 25.474 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW013612.D

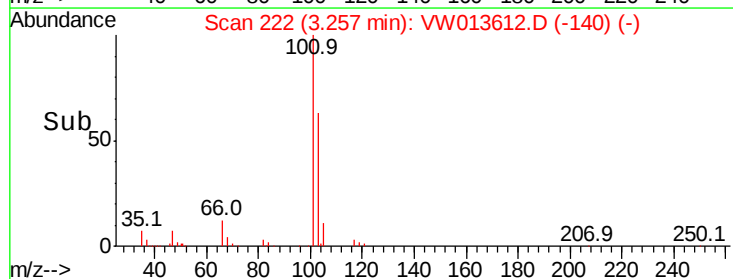
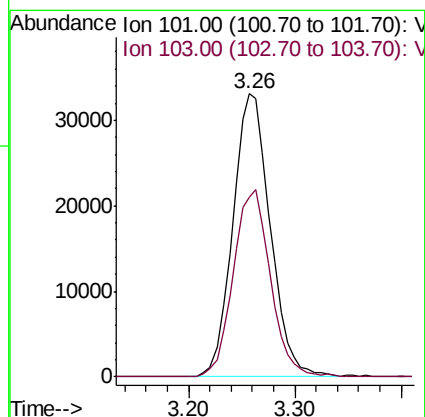
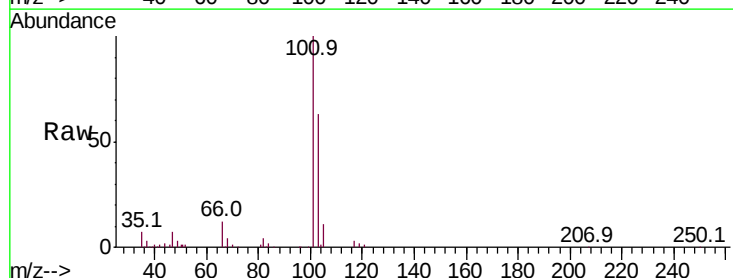
Acq: 17 Oct 2019 15:13

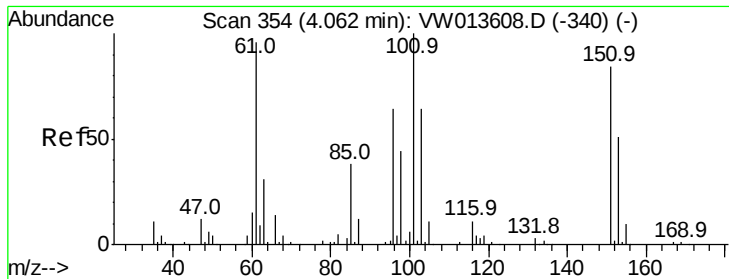
Tgt Ion: 101 Resp: 81543

Ion Ratio Lower Upper

101 100

103 65.5 46.0 85.4





#11

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

Concen: 25.167 ug/L

RT: 4.07 min Scan# 355

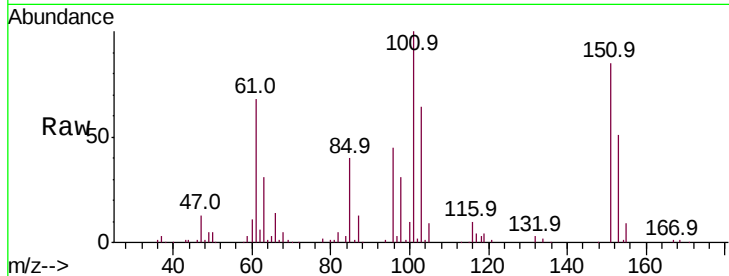
Delta R.T. 0.01 min

Lab File: VW013612.D

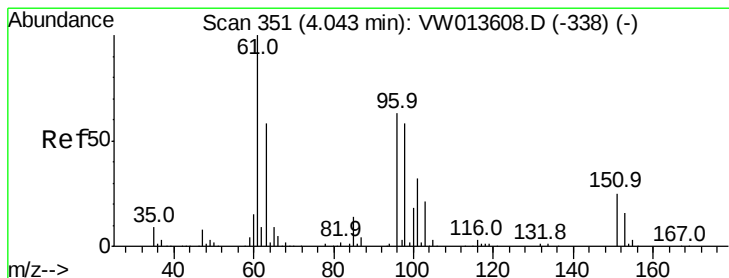
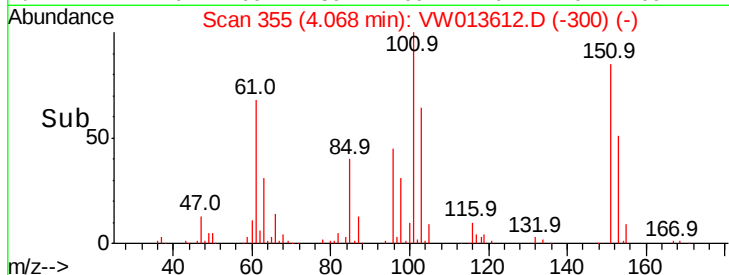
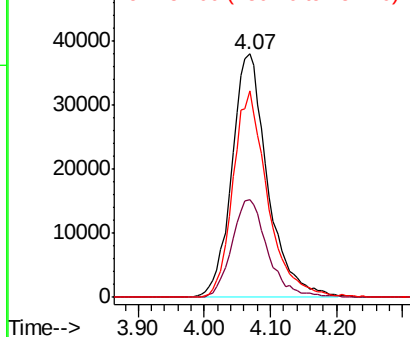
Acq: 17 Oct 2019 15:13

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:101 Resp: 142974
Ion Ratio Lower Upper
101 100
85 39.3 32.0 48.0
151 81.0 67.0 100.6



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: 24.836 ug/L

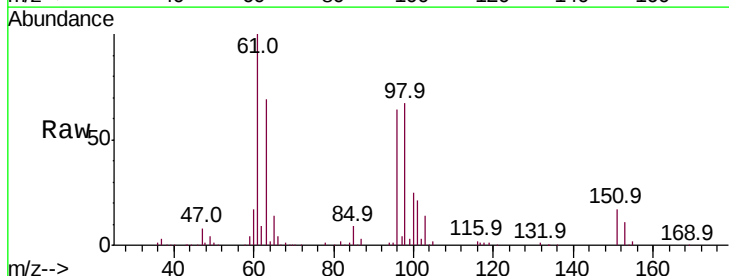
RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

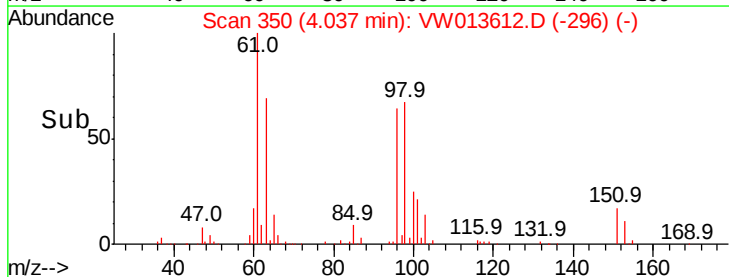
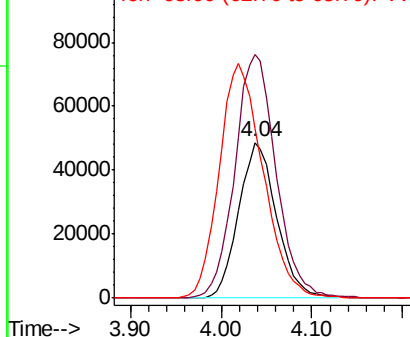
Lab File: VW013612.D

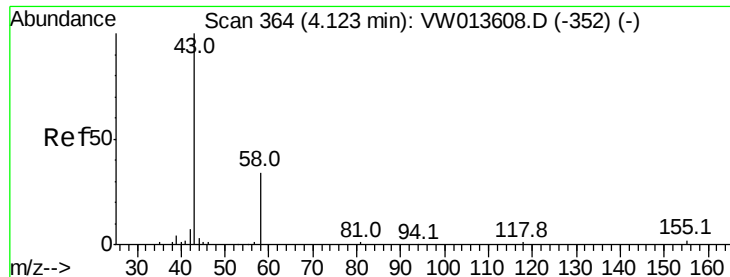
Acq: 17 Oct 2019 15:13

Tgt Ion: 96 Resp: 141327
Ion Ratio Lower Upper
96 100
61 156.6 111.0 206.2
63 108.7 86.3 160.3



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: 44.879 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

Lab File: VW013612.D

Acq: 17 Oct 2019 15:13

Instrument :

MSVOA_W

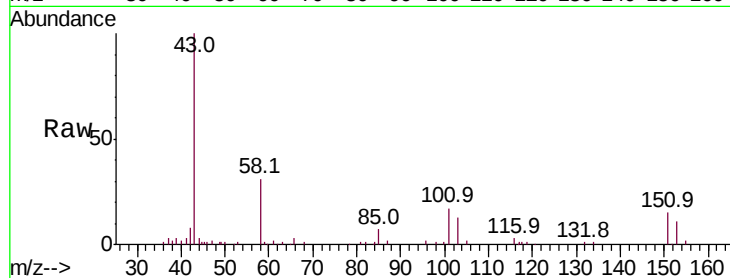
ClientSampled :

Tot Ion: 43 Resp: 80607

Ion Ratio Lower Upper

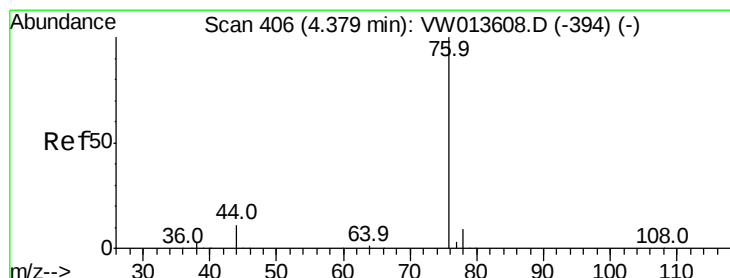
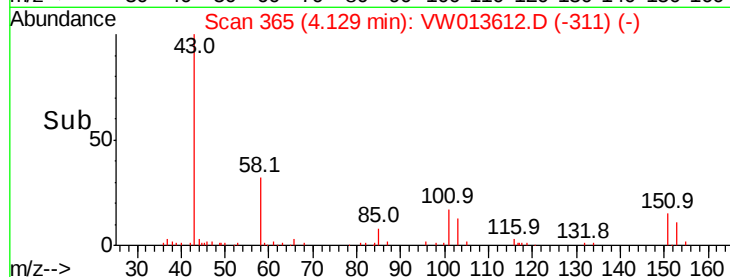
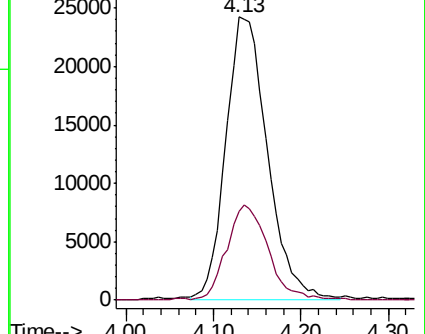
43 100

58 32.2 0.0 67.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 23.591 ug/L

RT: 4.38 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW013612.D

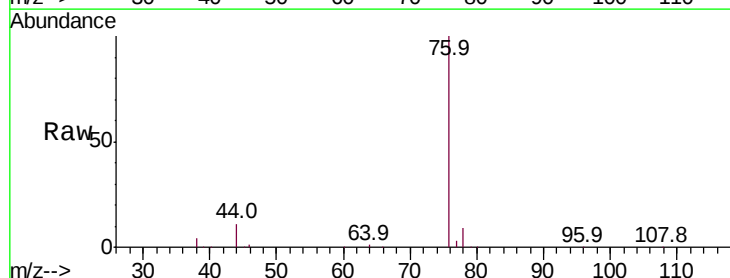
Acq: 17 Oct 2019 15:13

Tgt Ion: 76 Resp: 409655

Ion Ratio Lower Upper

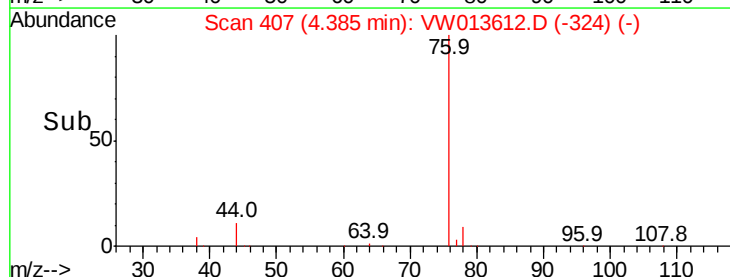
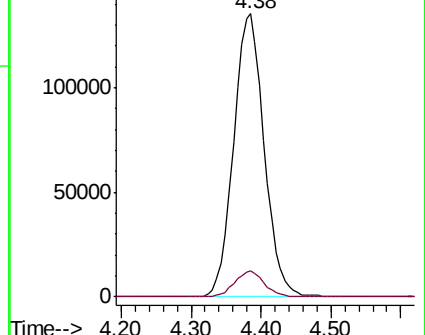
76 100

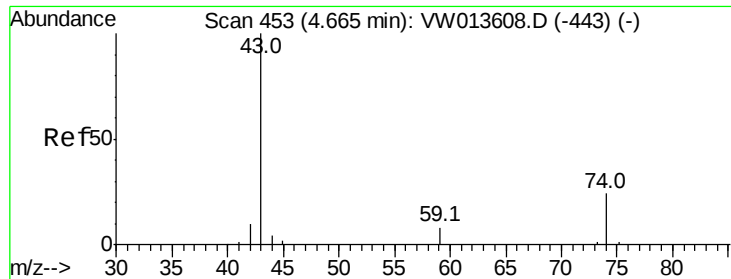
78 9.3 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





#15

Methyl Acetate

Concen: 26.485 ug/L

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW013612.D

Acq: 17 Oct 2019 15:13

Instrument :

MSVOA_W

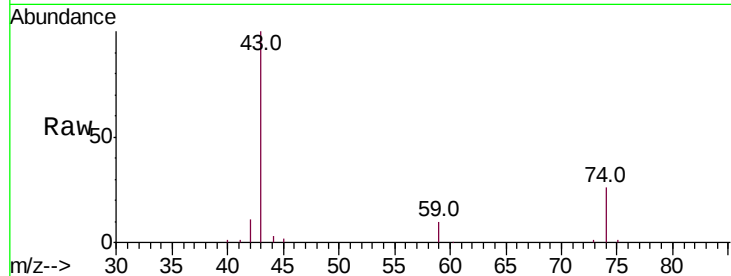
ClientSampled :

Tot Ion: 43 Resp: 74203

Ion Ratio Lower Upper

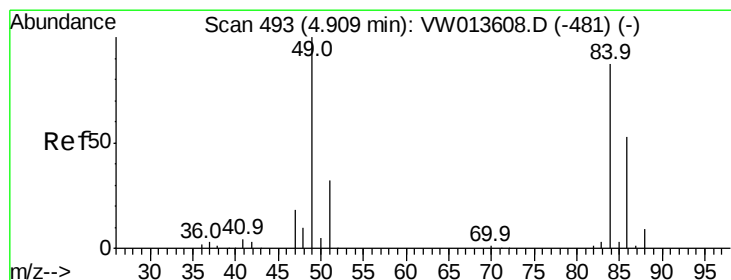
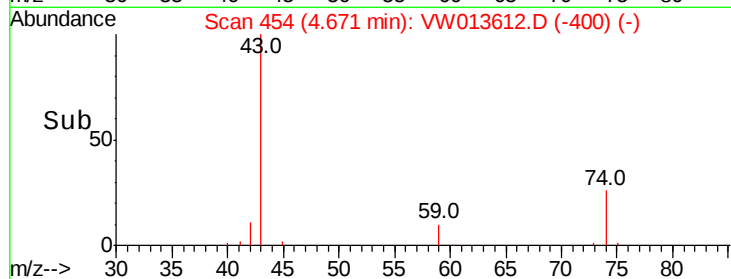
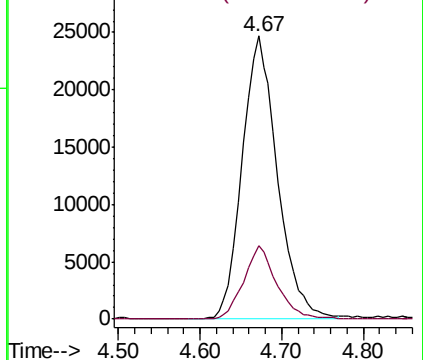
43 100

74 24.1 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 21.713 ug/L

RT: 4.91 min Scan# 493

Delta R.T. -0.00 min

Lab File: VW013612.D

Acq: 17 Oct 2019 15:13

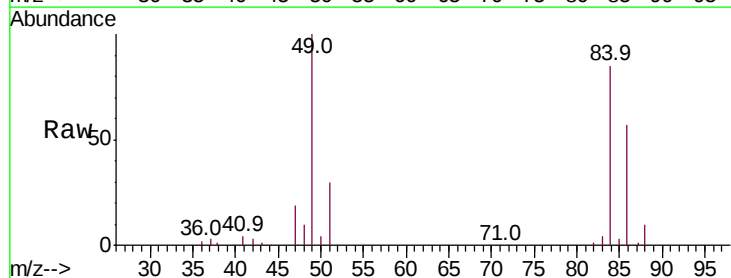
Tgt Ion: 84 Resp: 149078

Ion Ratio Lower Upper

84 100

49 117.1 81.3 151.1

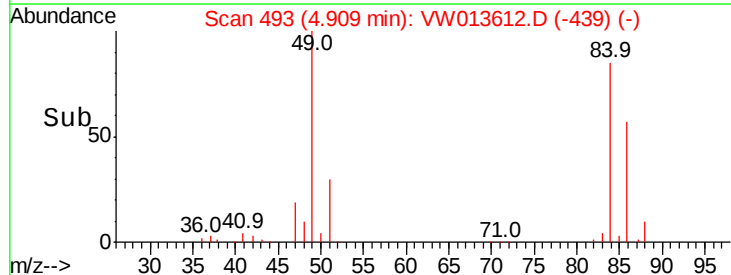
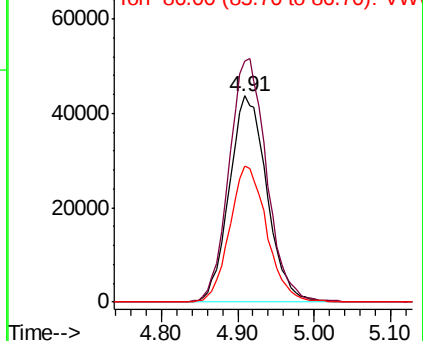
86 66.2 46.3 86.1

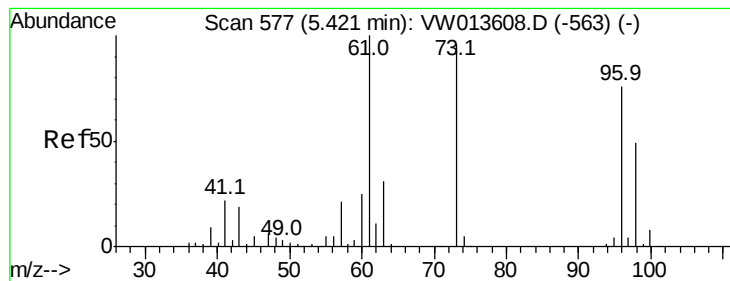


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW



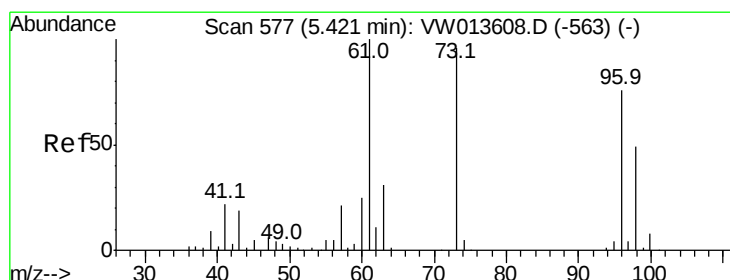
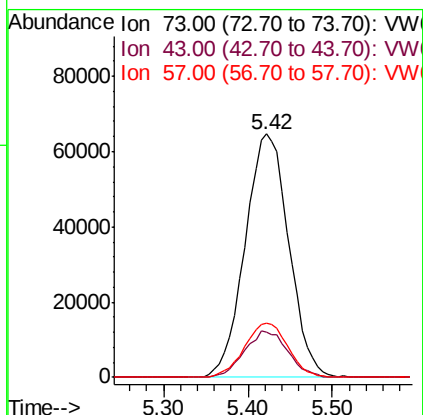
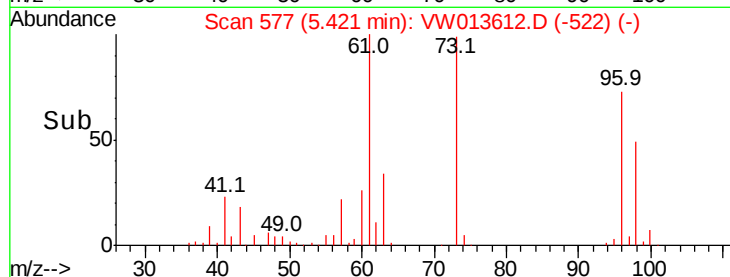
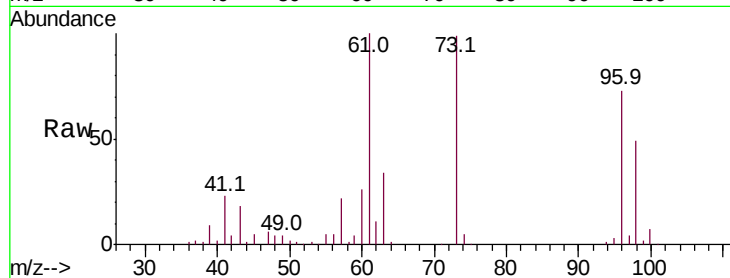


#17

Methvl tert-butvl Ether
 Concen: 25.032 ug/L
 RT: 5.42 min Scan# 577
 Delta R.T. 0.01 min
 Lab File: VW013612.D
 Acq: 17 Oct 2019 15:13

Instrument :
 MSVOA_W
 ClientSampleId :

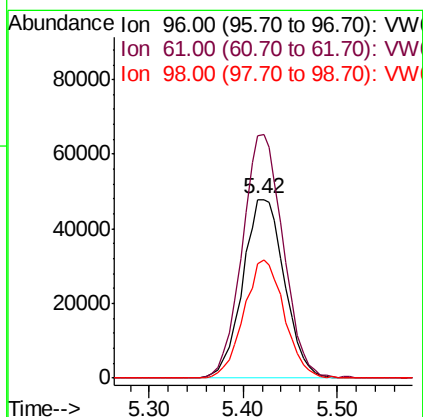
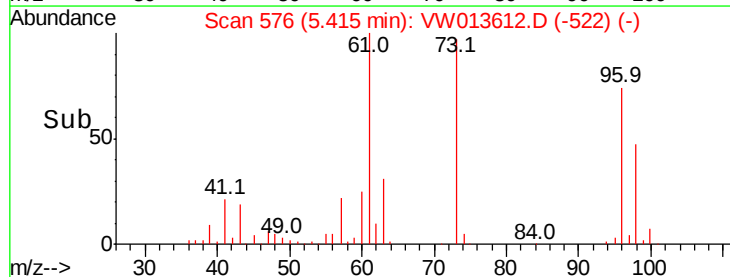
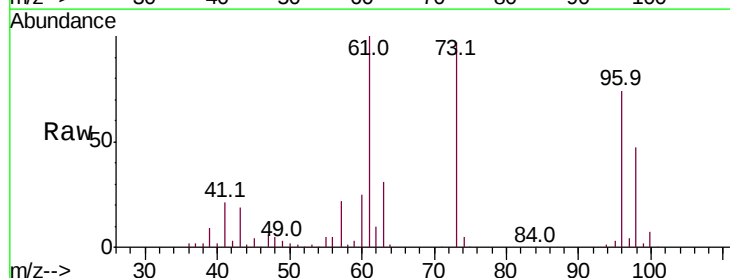
Tot Ion: 73 Resp: 228901
 Ion Ratio Lower Upper
 73 100
 43 18.9 15.0 22.4
 57 22.3 18.1 27.1

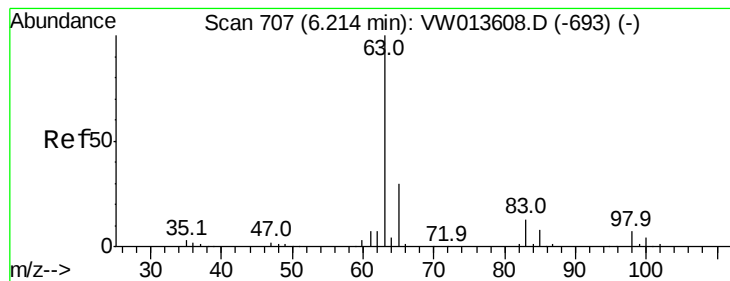


#18

trans-1,2-Dichloroethene
 Concen: 24.467 ug/L
 RT: 5.42 min Scan# 576
 Delta R.T. -0.00 min
 Lab File: VW013612.D
 Acq: 17 Oct 2019 15:13

Tgt Ion: 96 Resp: 148573
 Ion Ratio Lower Upper
 96 100
 61 135.9 93.7 173.9
 98 63.9 46.1 85.7





#19

1,1-Dichloroethane

Concen: 25.031 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013612.D

Acq: 17 Oct 2019 15:13

Instrument :

MSVOA_W

ClientSampleId :

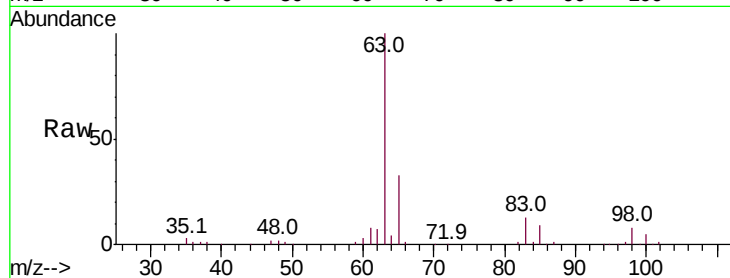
Tot Ion: 63 Resp: 255190

Ion Ratio Lower Upper

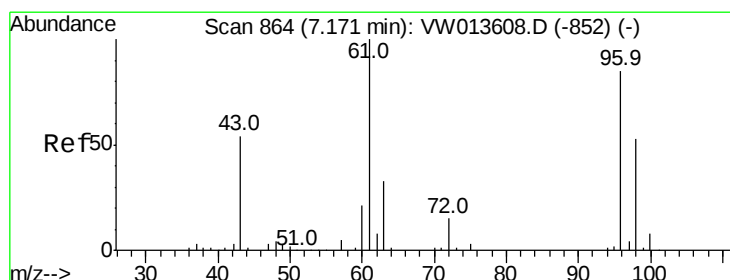
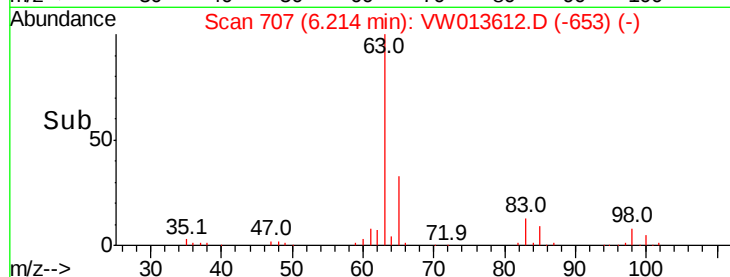
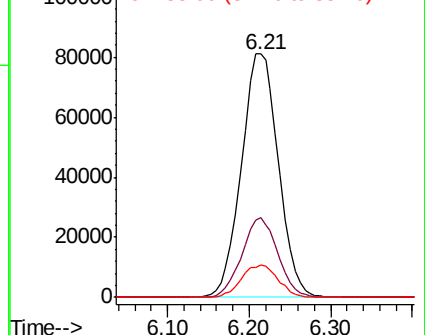
63 100

65 32.8 21.6 40.0

83 13.1 9.0 16.6



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: 48.259 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW013612.D

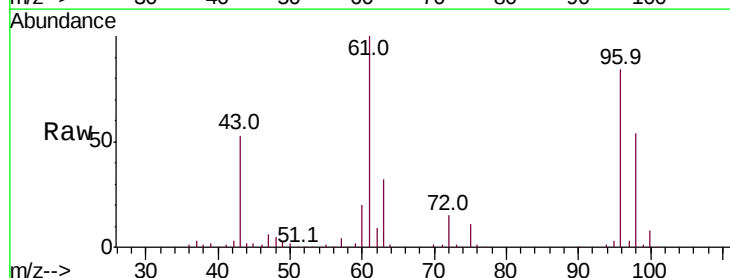
Acq: 17 Oct 2019 15:13

Tgt Ion: 43 Resp: 106039

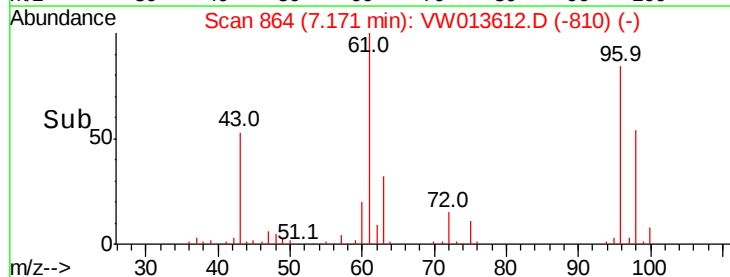
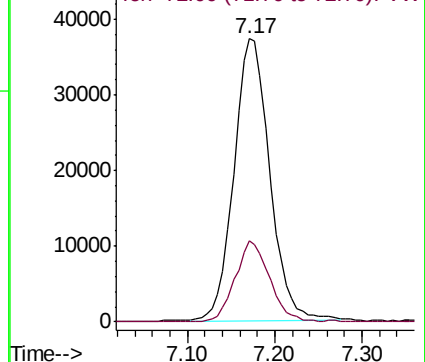
Ion Ratio Lower Upper

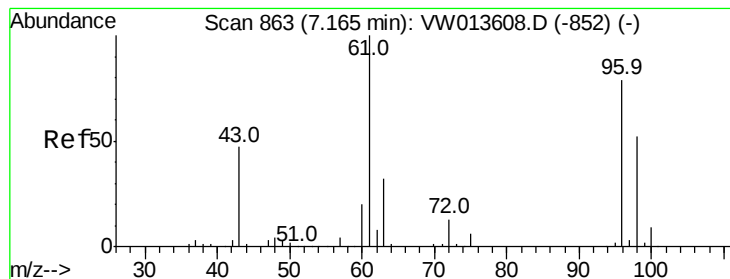
43 100

72 27.6 13.5 40.4



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



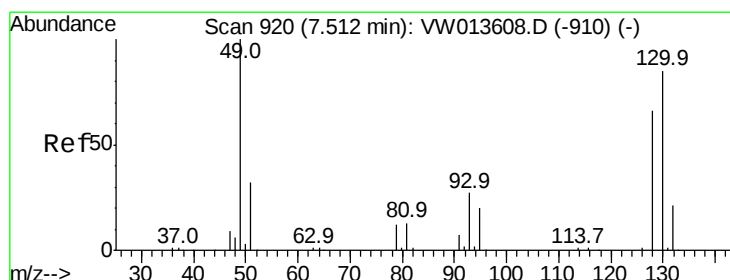
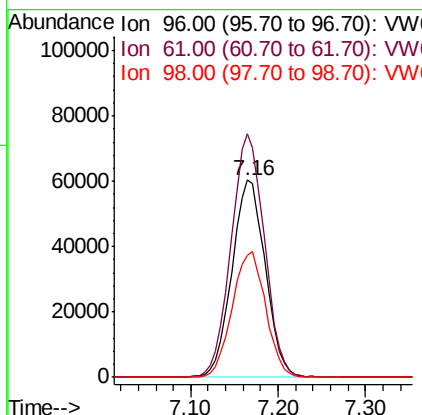
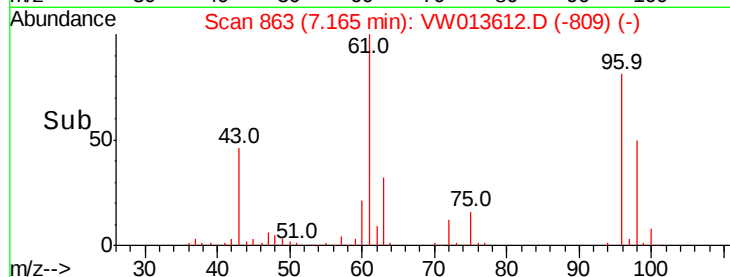
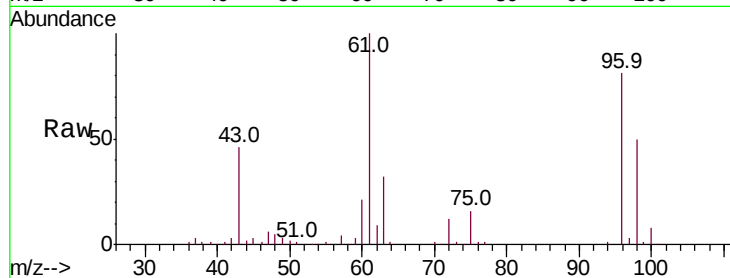


#22

cis-1,2-Dichloroethene
Concen: 24.698 ug/L
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW013612.D
Acq: 17 Oct 2019 15:13

Instrument :
MSVOA_W
ClientSampleId :

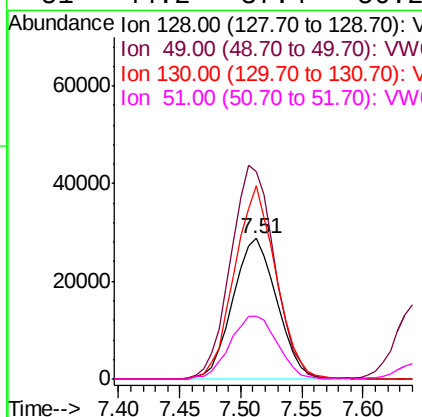
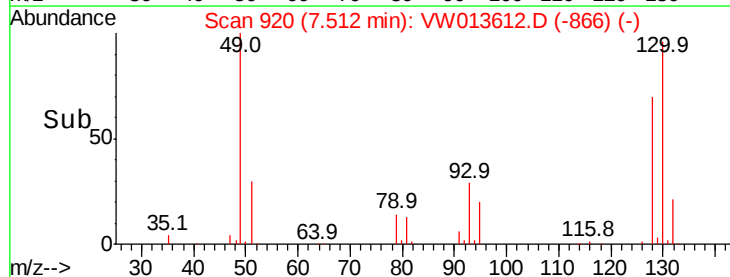
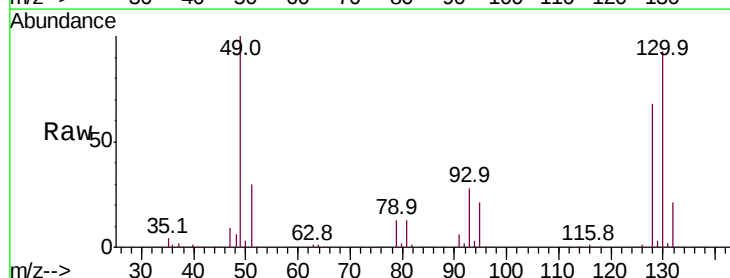
Tot Ion: 96 Resp: 160398
Ion Ratio Lower Upper
96 100
61 123.5 86.0 159.8
98 61.9 44.4 82.5

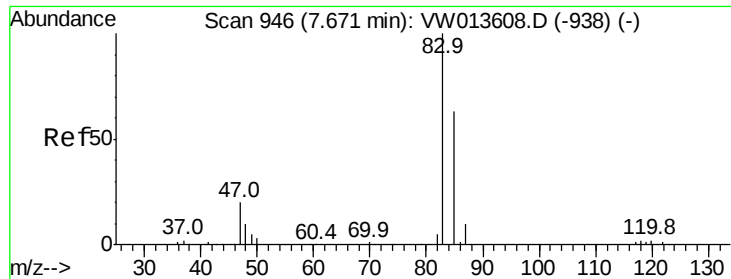


#23

Bromochloromethane
Concen: 24.769 ug/L
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW013612.D
Acq: 17 Oct 2019 15:13

Tgt Ion: 128 Resp: 72029
Ion Ratio Lower Upper
128 100
49 147.5 108.0 200.6
130 137.4 89.4 166.0
51 44.2 37.4 56.2

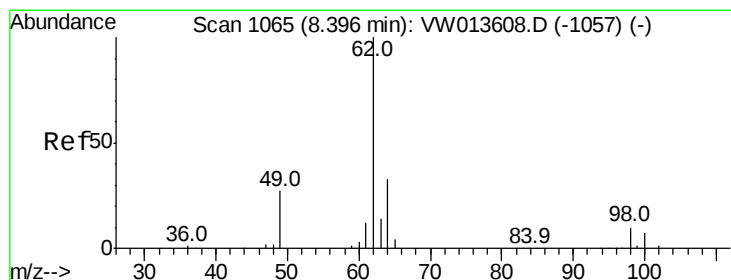
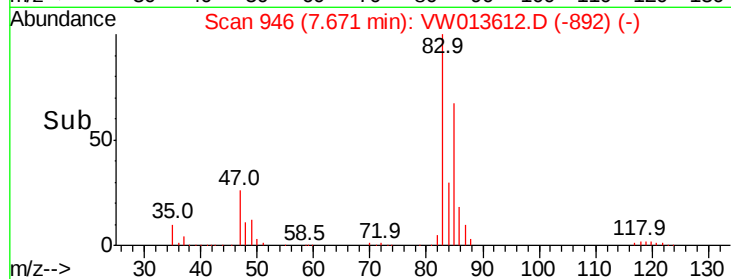
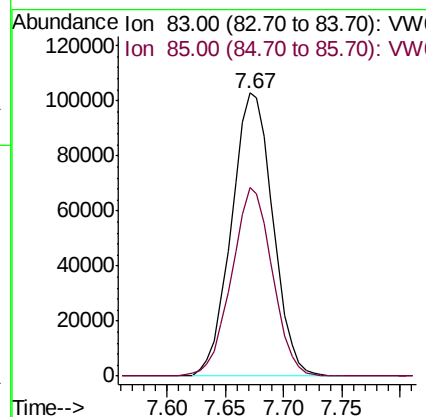
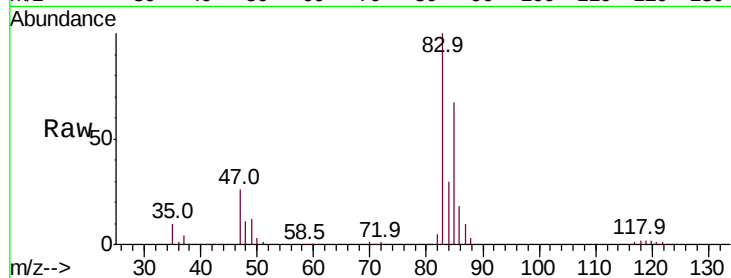




#25
Chloroform
Concen: 25.295 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013612.D
Acq: 17 Oct 2019 15:13

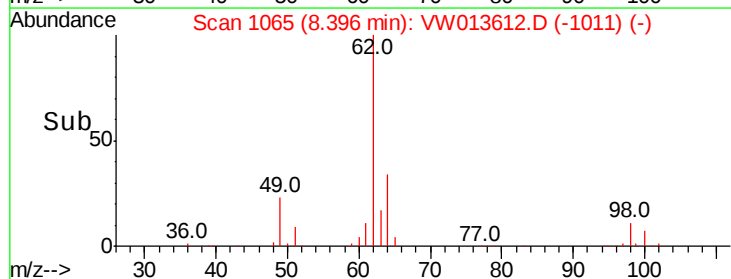
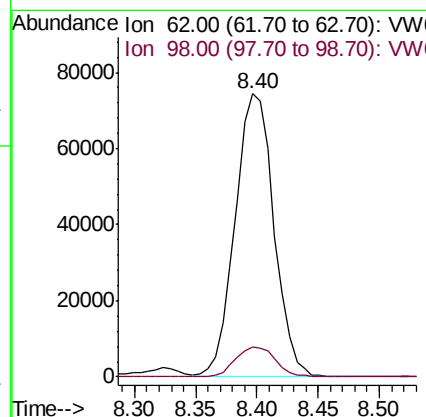
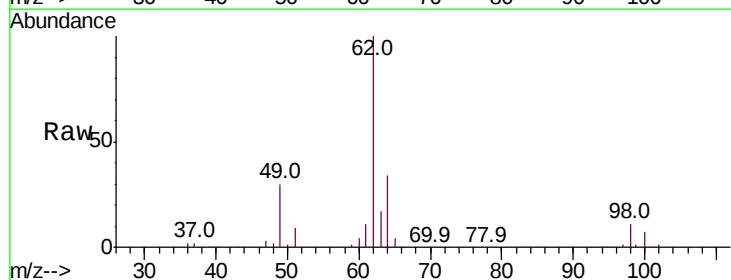
Instrument :
MSVOA_W
ClientSampled :

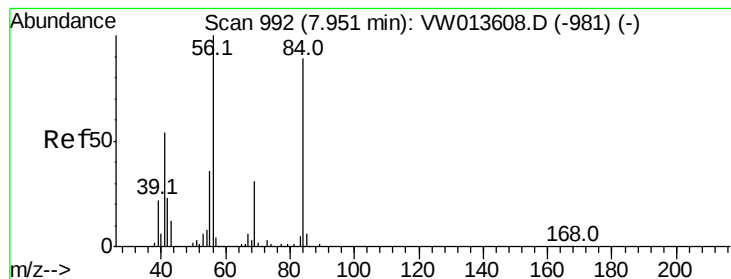
Tot Ion: 83 Resp: 254403
Ion Ratio Lower Upper
83 100
85 65.5 46.1 85.5



#27
1,2-Dichloroethane
Concen: 25.719 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013612.D
Acq: 17 Oct 2019 15:13

Tgt Ion: 62 Resp: 163599
Ion Ratio Lower Upper
62 100
98 10.5 9.0 13.4





#30

Cyclohexane

Concen: 23.529 ug/L

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW013612.D

Acq: 17 Oct 2019 15:13

Instrument :
MSVOA_W
ClientSampled :

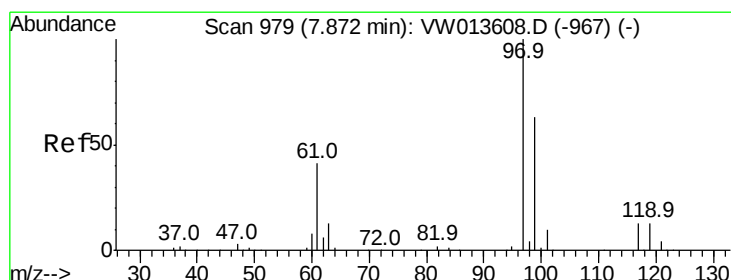
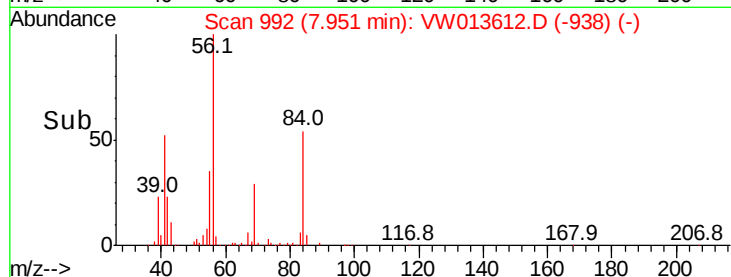
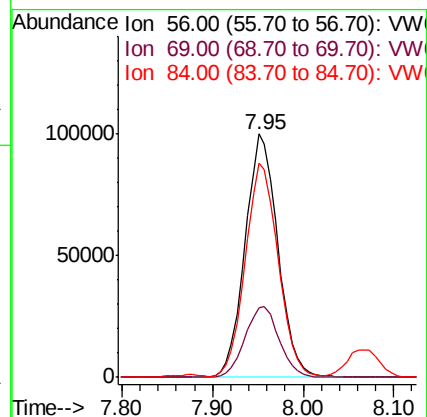
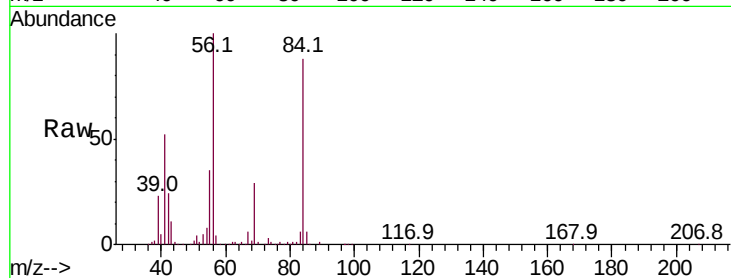
Tot Ion: 56 Resp: 250025

Ion Ratio Lower Upper

56 100

69 30.5 24.7 37.1

84 88.6 70.4 105.6



#31

1,1,1-Trichloroethane

Concen: 25.018 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.01 min

Lab File: VW013612.D

Acq: 17 Oct 2019 15:13

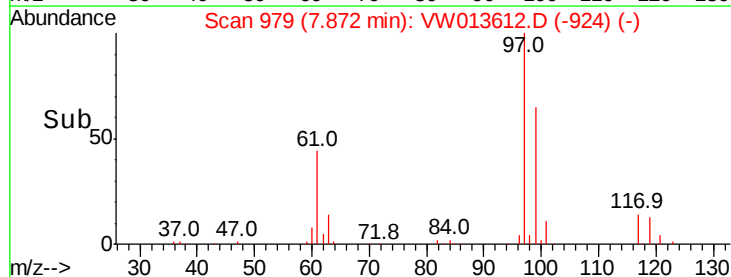
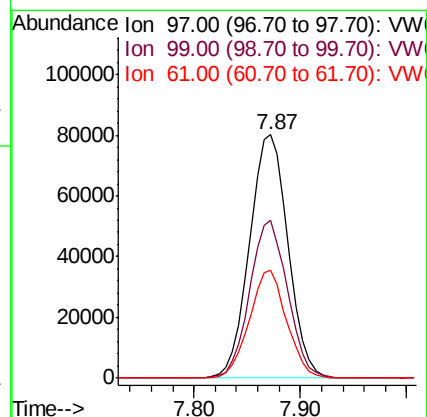
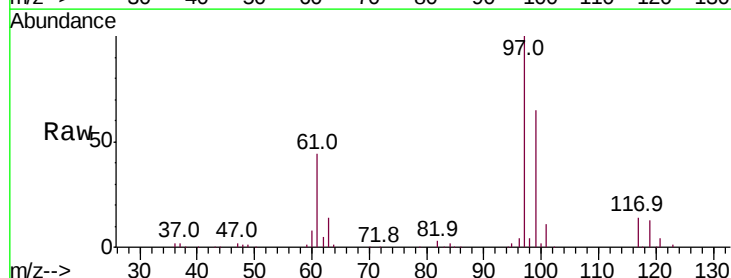
Tgt Ion: 97 Resp: 203640

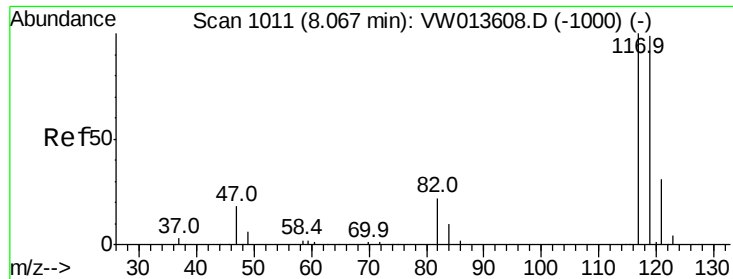
Ion Ratio Lower Upper

97 100

99 63.8 51.8 77.8

61 42.8 33.7 50.5





#32

Carbon tetrachloride

Concen: 24.951 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW013612.D

Acq: 17 Oct 2019 15:13

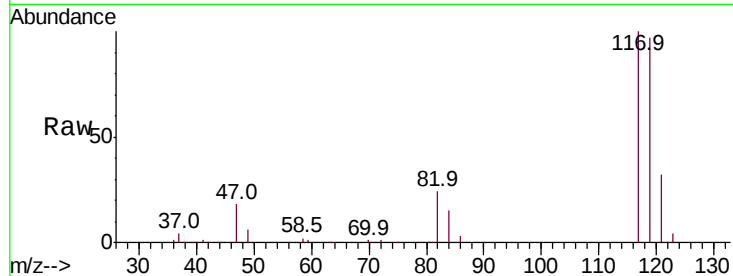
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 194813

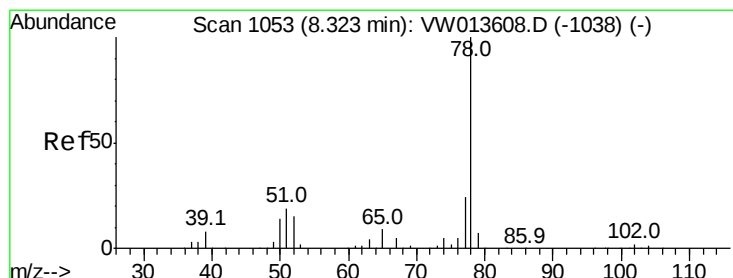
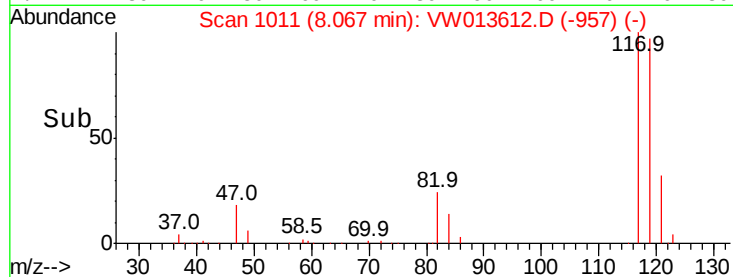
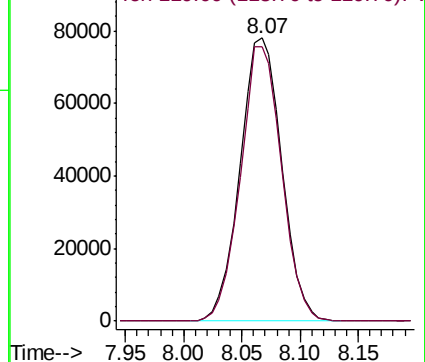
Ion Ratio Lower Upper

117 100

119 95.8 76.1 114.1



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 24.558 ug/L

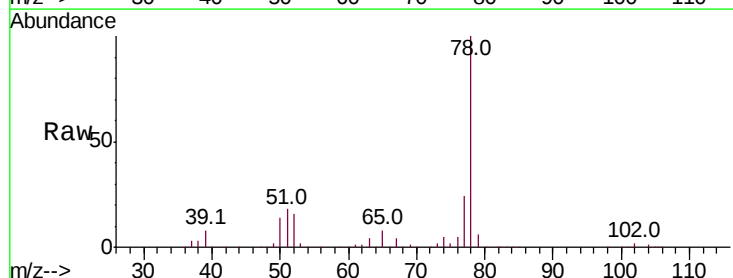
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

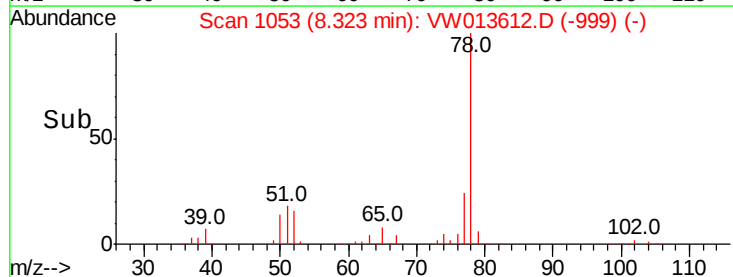
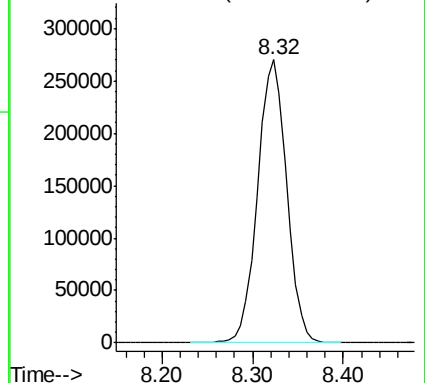
Lab File: VW013612.D

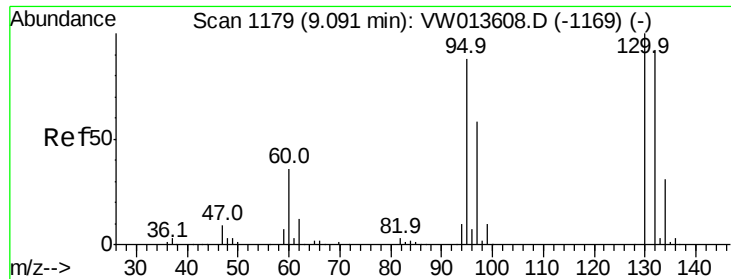
Acq: 17 Oct 2019 15:13

Tgt Ion: 78 Resp: 599593



Abundance Ion 78.00 (77.70 to 78.70): VW

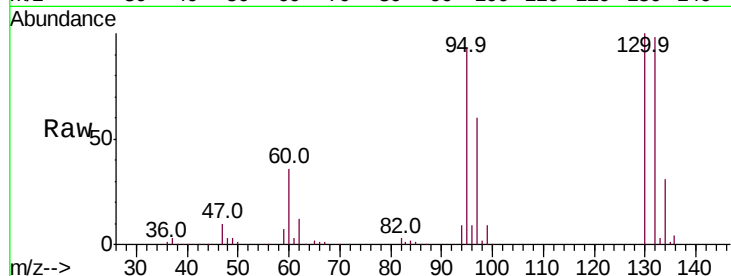




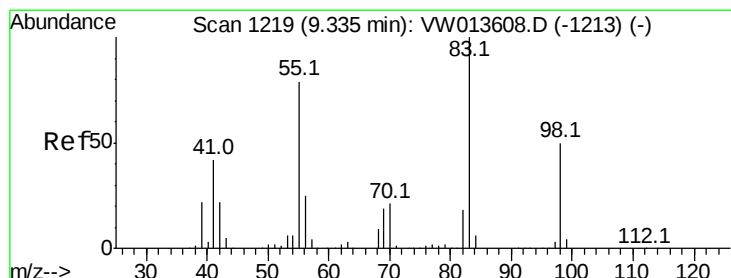
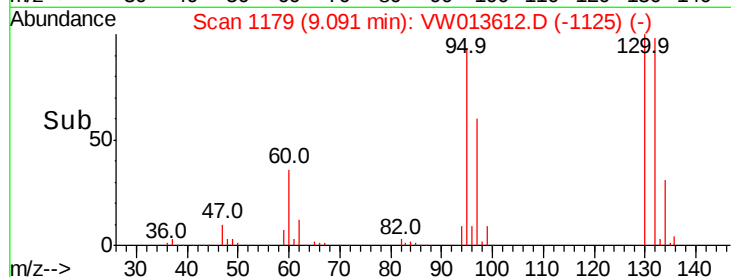
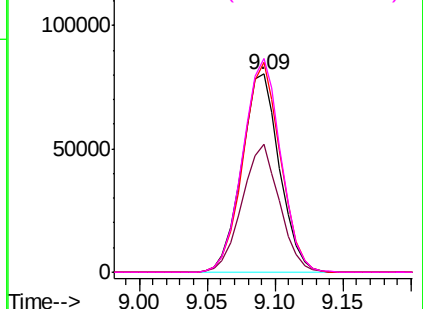
#35
 Trichloroethene
 Concen: 24.604 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW013612.D
 Acq: 17 Oct 2019 15:13

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	95	Resp:	156693
Ion	Ratio	Lower	Upper
95	100		
97	63.5	45.1	83.7
132	104.2	73.6	136.8
130	107.7	76.3	141.7

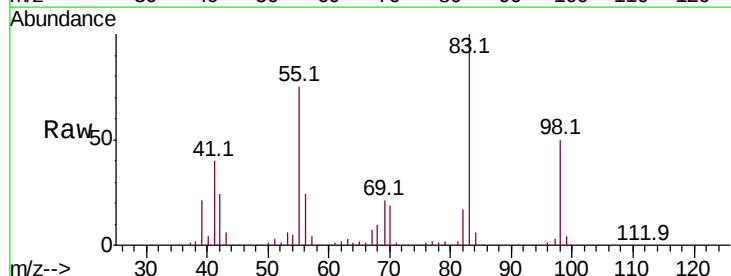


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

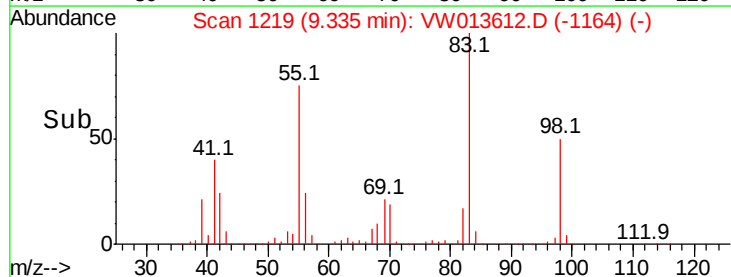
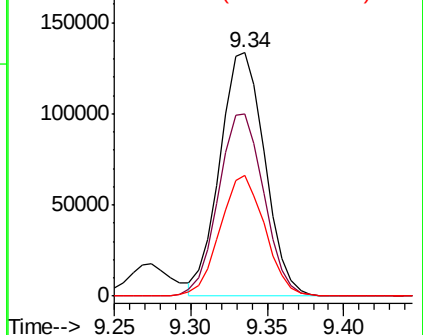


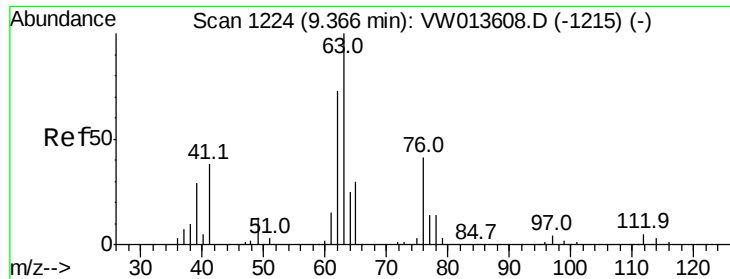
#36
 Methylcyclohexane
 Concen: 23.538 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VW013612.D
 Acq: 17 Oct 2019 15:13

Tgt Ion:	83	Resp:	272600
Ion	Ratio	Lower	Upper
83	100		
55	75.8	60.4	90.6
98	49.4	39.3	58.9



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

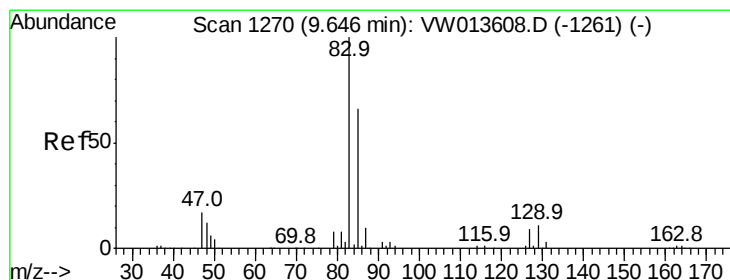
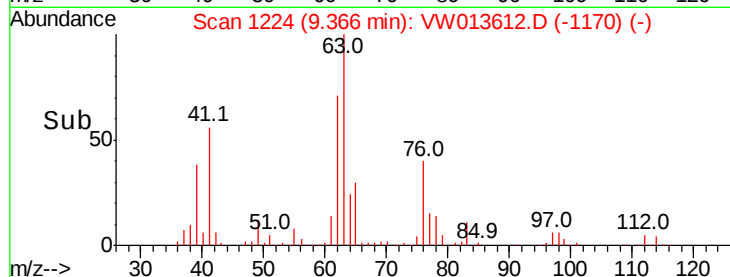
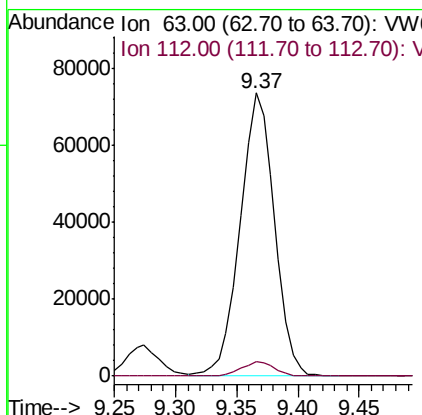
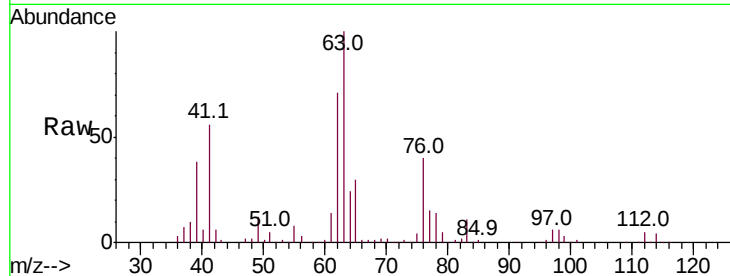




#40
1,2-Dichloropropane
Concen: 24.404 ug/L
RT: 9.37 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VW013612.D
Acq: 17 Oct 2019 15:13

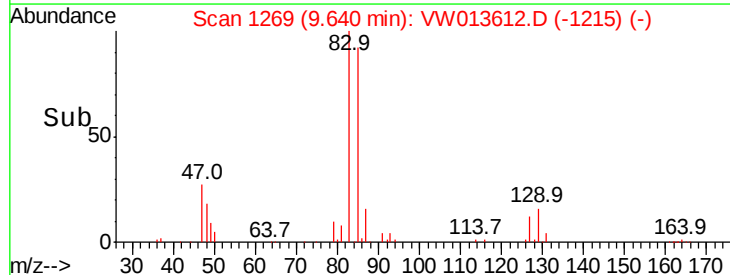
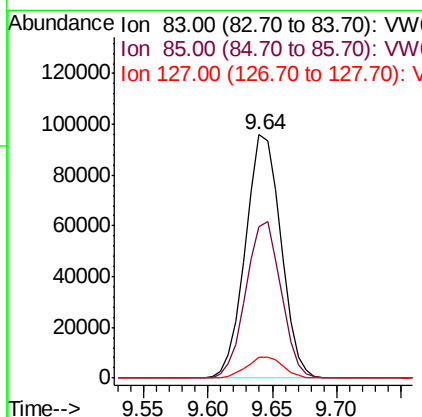
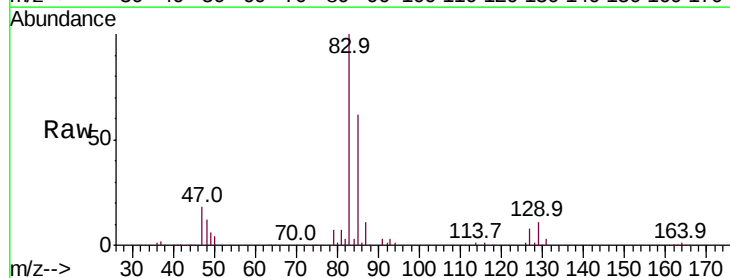
Instrument :
MSVOA_W
ClientSampleId :

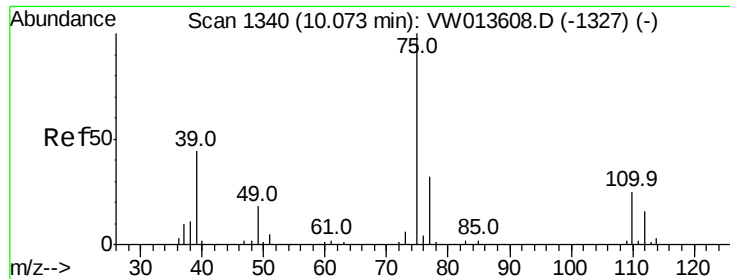
Tot Ion: 63 Resp: 143539
Ion Ratio Lower Upper
63 100
112 4.9 3.8 5.8



#41
Bromodichloromethane
Concen: 25.321 ug/L
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW013612.D
Acq: 17 Oct 2019 15:13

Tgt Ion: 83 Resp: 182921
Ion Ratio Lower Upper
83 100
85 62.1 45.1 83.9
127 8.4 7.1 10.7





#42

cis-1,3-Dichloropropene

Concen: 24.611 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013612.D

Acq: 17 Oct 2019 15:13

Instrument :

MSVOA_W

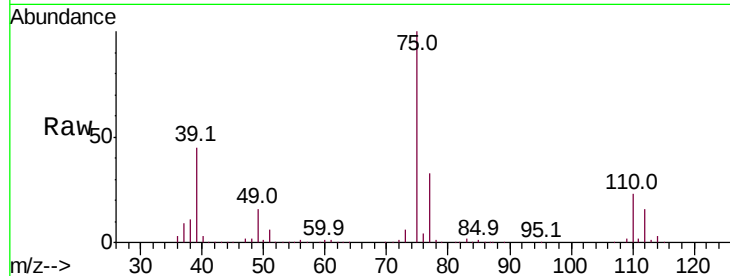
ClientSampled :

Tot Ion: 75 Resp: 232221

Ion Ratio Lower Upper

75 100

77 33.2 21.6 40.2



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.07

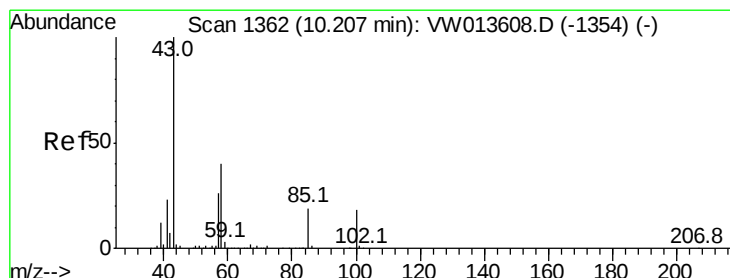
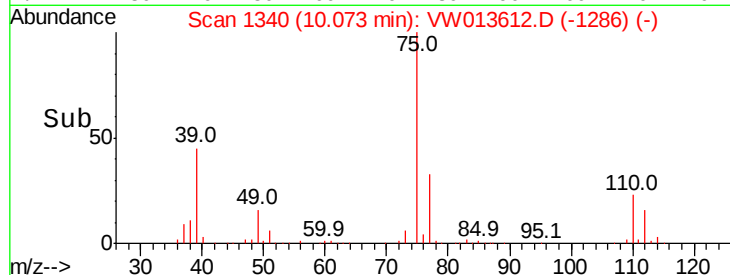
150000

100000

50000

0

Time-->



#43

4-Methyl-2-pentanone

Concen: 51.048 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013612.D

Acq: 17 Oct 2019 15:13

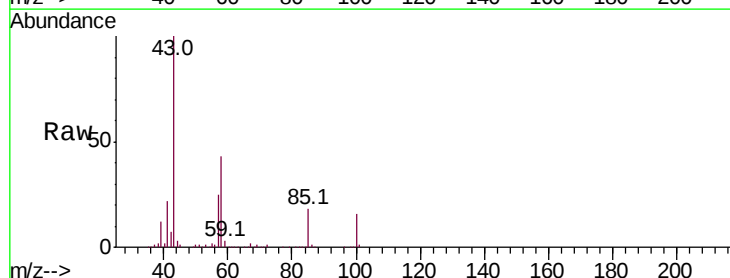
Tgt Ion: 43 Resp: 209492

Ion Ratio Lower Upper

43 100

58 41.2 32.0 48.0

100 17.2 13.7 20.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW

200000

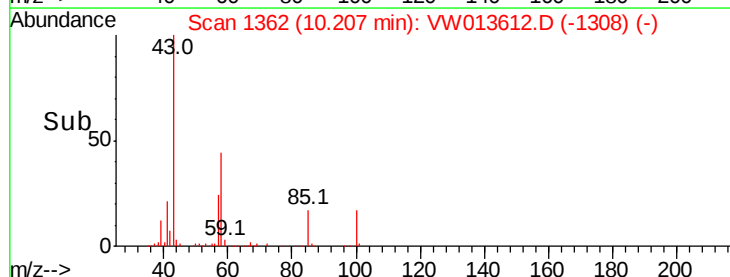
150000

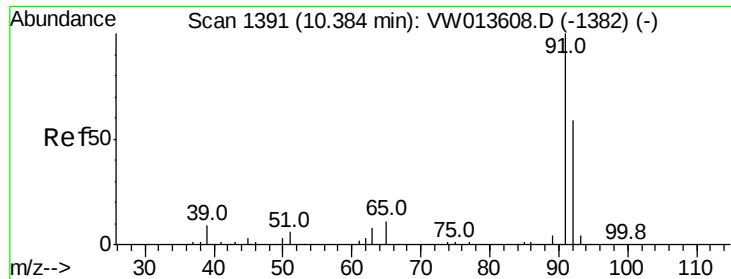
100000

50000

0

Time-->





#44

Toluene

Concen: 24.562 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013612.D

Acq: 17 Oct 2019 15:13

Instrument :

MSVOA_W

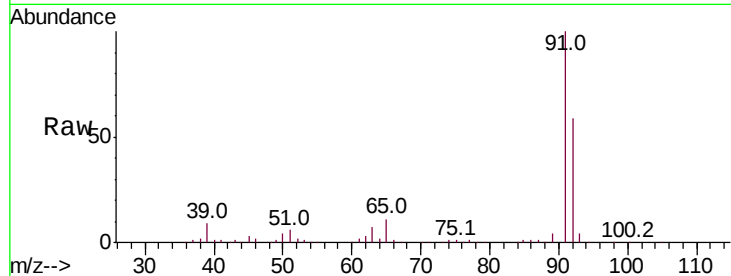
ClientSampled :

Tot Ion: 91 Resp: 649906

Ion Ratio Lower Upper

91 100

92 58.9 40.0 74.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.38

400000

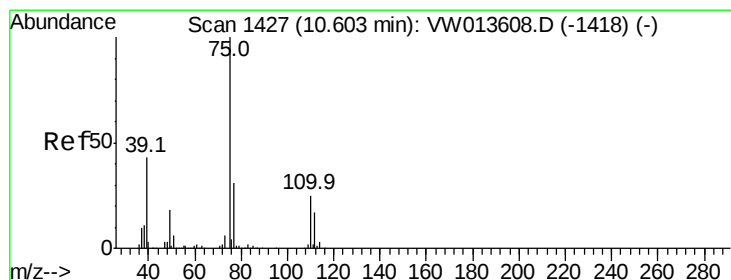
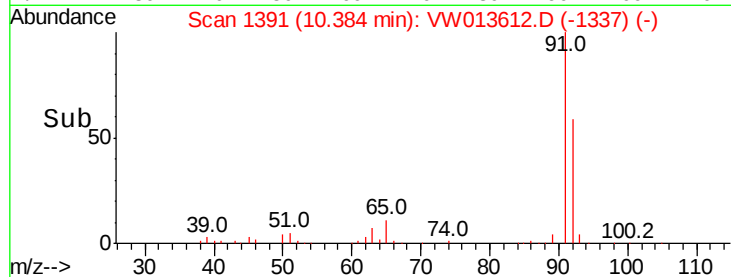
300000

200000

100000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 25.287 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013612.D

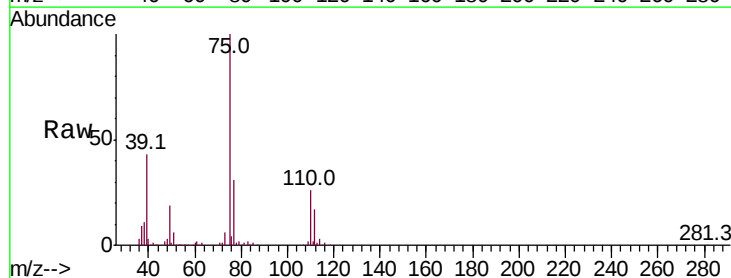
Acq: 17 Oct 2019 15:13

Tgt Ion: 75 Resp: 188404

Ion Ratio Lower Upper

75 100

77 31.1 23.0 42.6



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.60

120000

100000

80000

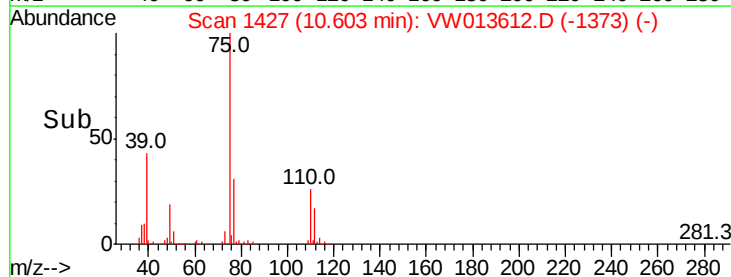
60000

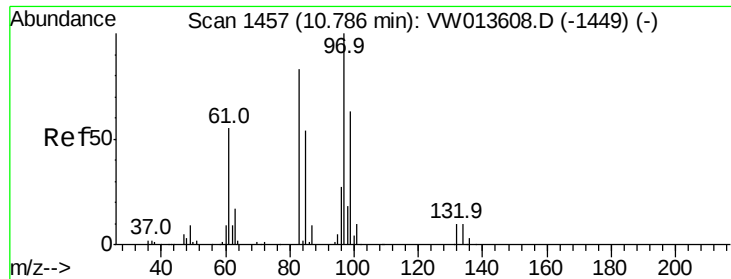
40000

20000

0

Time-->





#46

1,1,2-Trichloroethane

Concen: 25.147 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW013612.D

Acq: 17 Oct 2019 15:13

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 112273

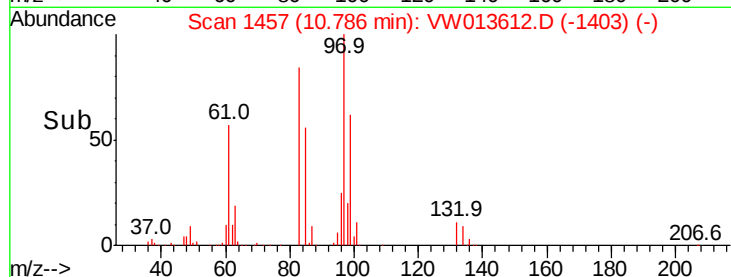
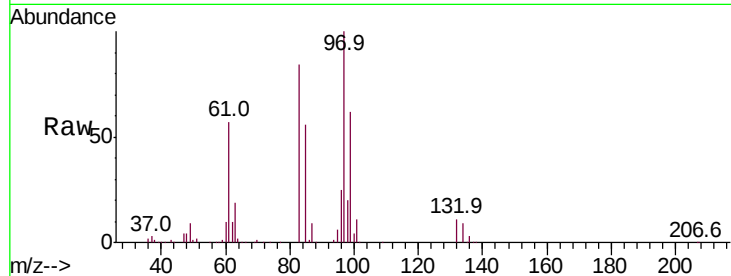
Ion	Ratio	Lower	Upper
97	100		
83	84.0	57.5	106.9
85	55.5	36.8	68.4
99	62.0	44.0	81.6

97 100

83 84.0 57.5 106.9

85 55.5 36.8 68.4

99 62.0 44.0 81.6

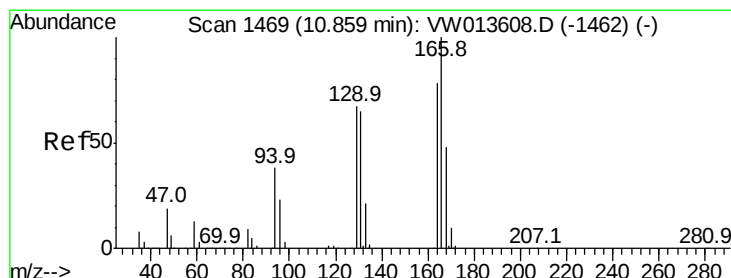
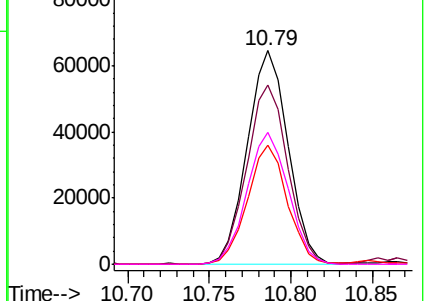


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 24.115 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW013612.D

Acq: 17 Oct 2019 15:13

Tgt Ion:164 Resp: 139972

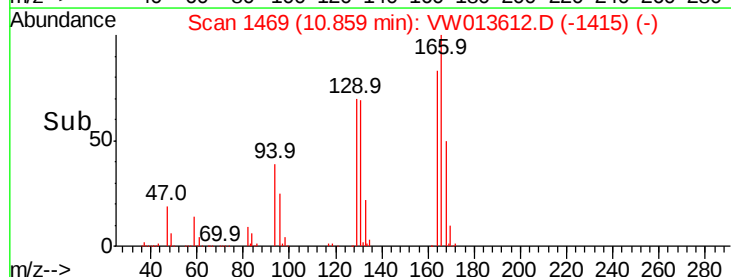
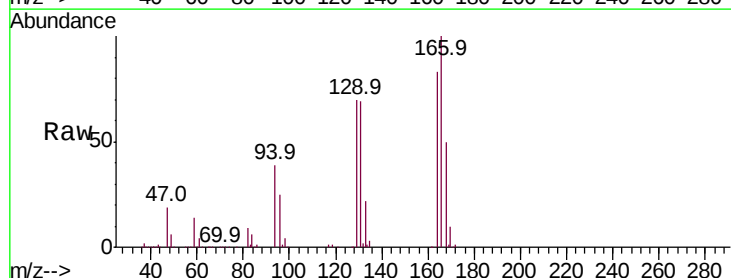
Ion	Ratio	Lower	Upper
164	100		
129	84.9	60.2	111.8
131	83.7	57.0	105.9
166	121.0	91.2	169.4

164 100

129 84.9 60.2 111.8

131 83.7 57.0 105.9

166 121.0 91.2 169.4

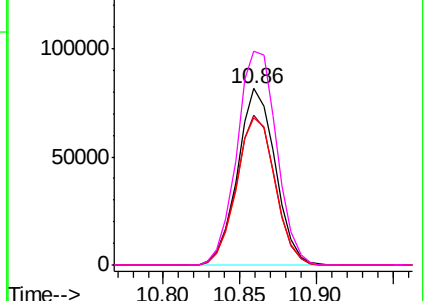


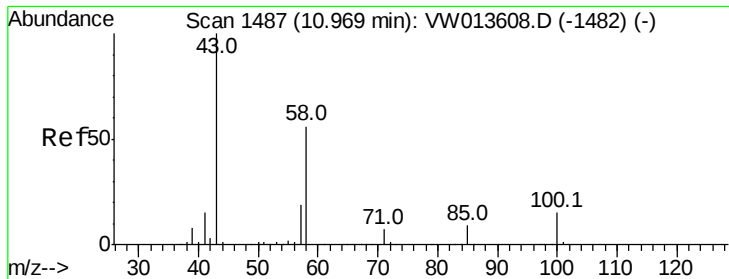
Abundance Ion 164.00 (163.70 to 164.70): V

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: 51.963 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW013612.D

Acq: 17 Oct 2019 15:13

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 154982

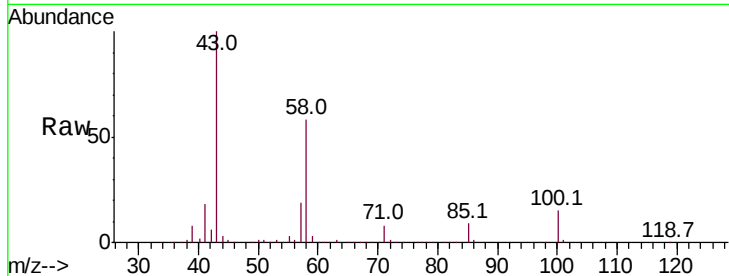
Ion Ratio Lower Upper

43 100

58 57.3 45.2 67.8

57 19.8 15.8 23.8

100 13.9 11.0 16.6

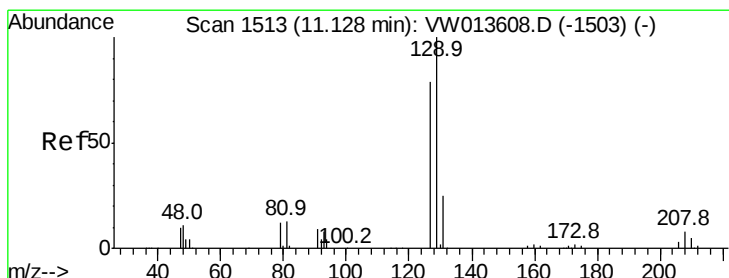
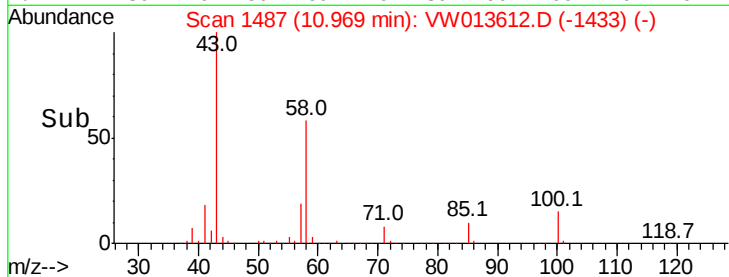
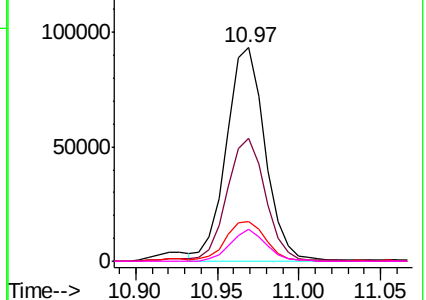


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 25.738 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW013612.D

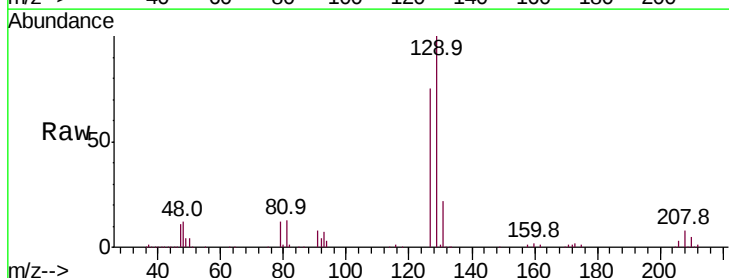
Acq: 17 Oct 2019 15:13

Tgt Ion: 129 Resp: 135300

Ion Ratio Lower Upper

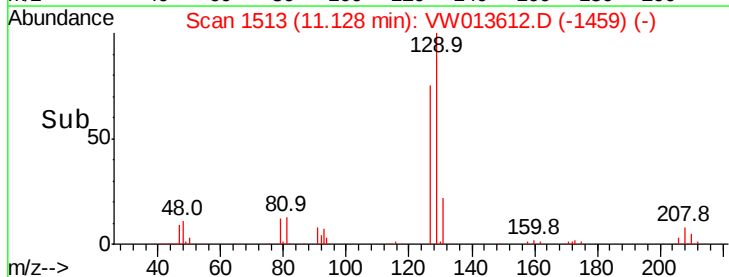
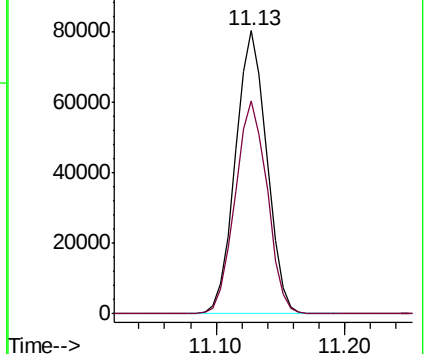
129 100

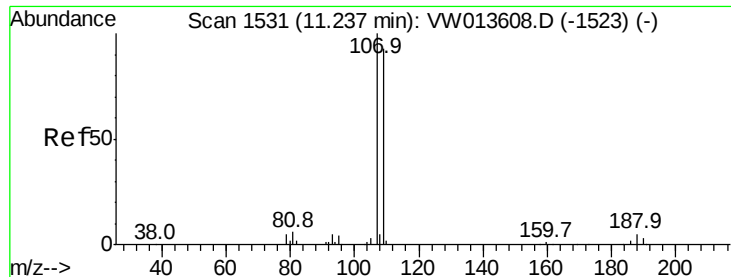
127 75.2 54.7 101.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#51

1,2-Dibromoethane

Concen: 25.564 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW013612.D

Acq: 17 Oct 2019 15:13

Instrument :

MSVOA_W

ClientSampleId :

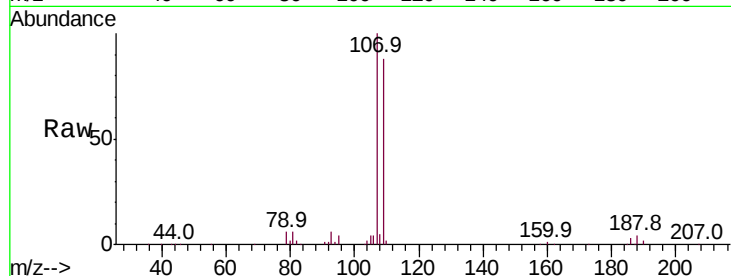
Tot Ion:107 Resp: 112121

Ion Ratio Lower Upper

107 100

109 88.3 65.5 121.7

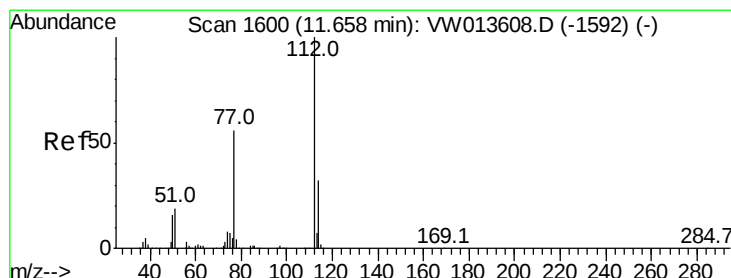
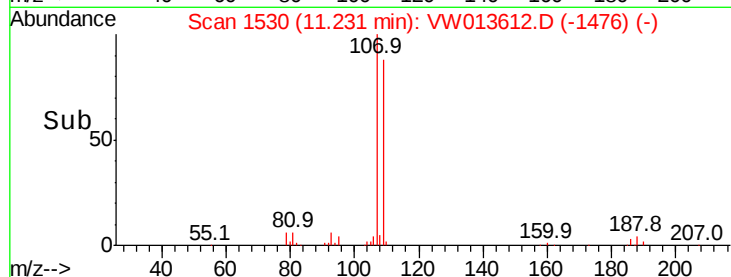
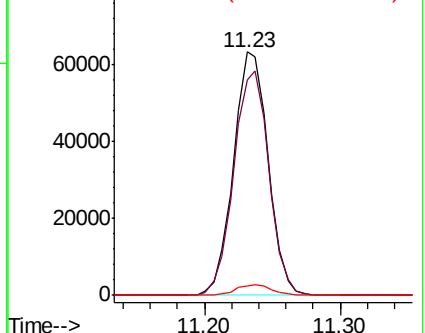
188 3.8 3.6 5.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 24.429 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW013612.D

Acq: 17 Oct 2019 15:13

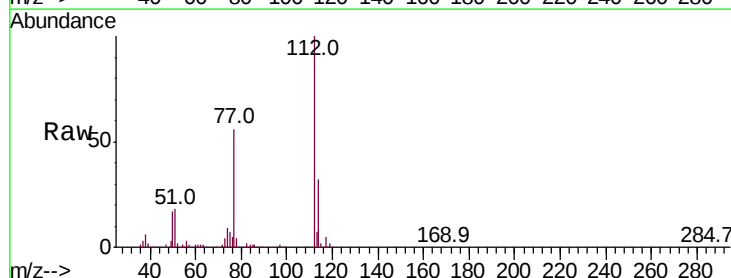
Tgt Ion:112 Resp: 410245

Ion Ratio Lower Upper

112 100

77 55.7 44.5 66.7

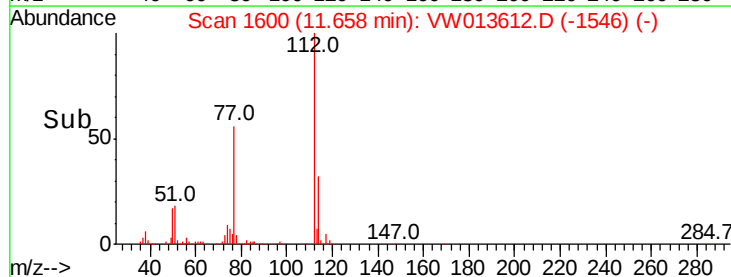
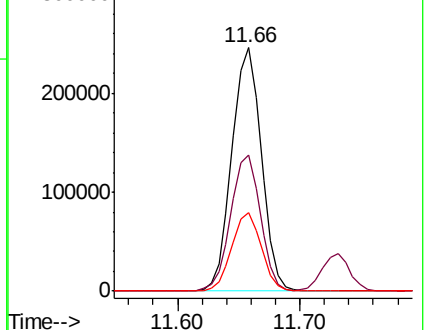
114 32.2 22.7 42.3

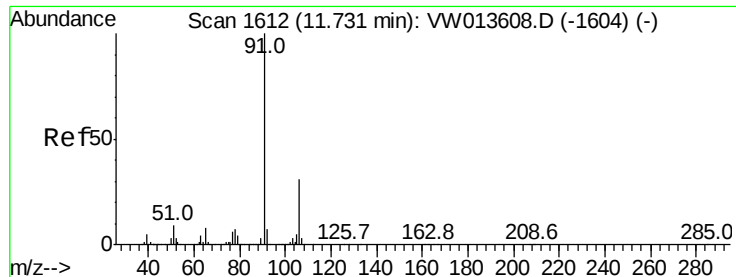


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 24.659 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW013612.D

Acq: 17 Oct 2019 15:13

Instrument :

MSVOA_W

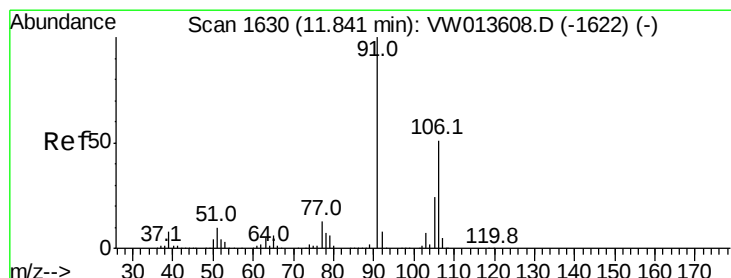
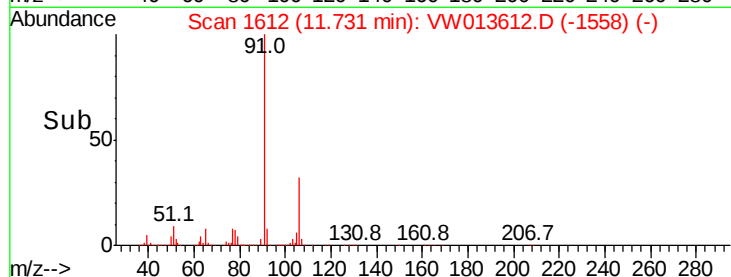
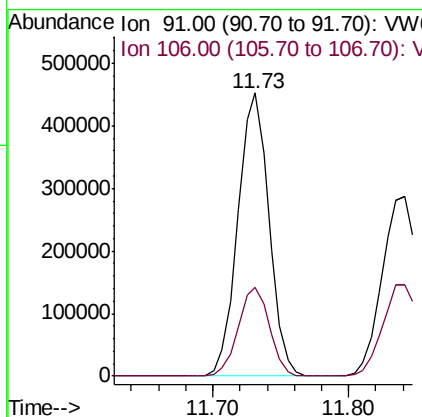
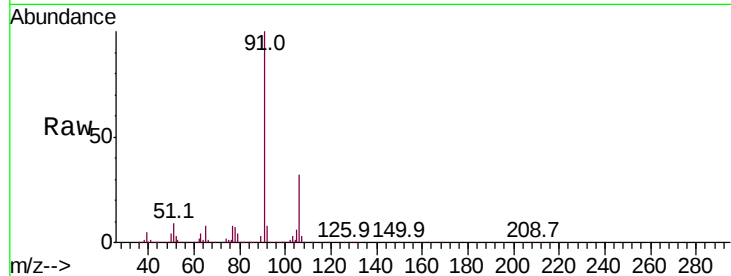
ClientSampleId :

Tot Ion: 91 Resp: 722235

Ion Ratio Lower Upper

91 100

106 31.5 21.5 39.9



#54

m,p-Xylene

Concen: 24.112 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW013612.D

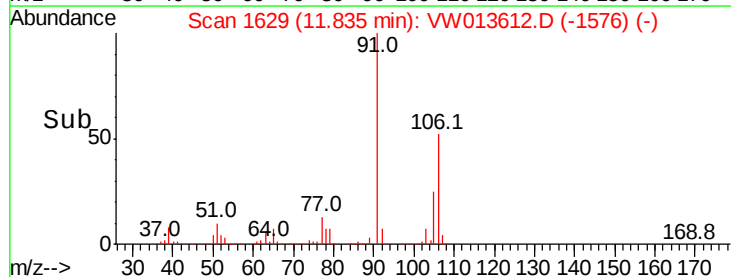
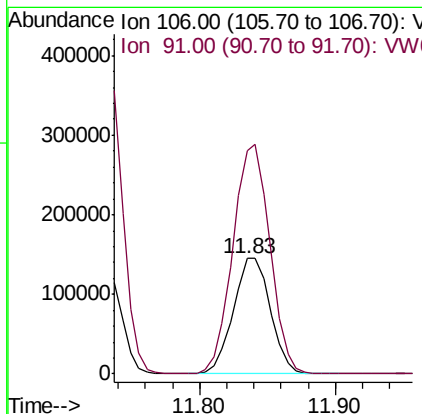
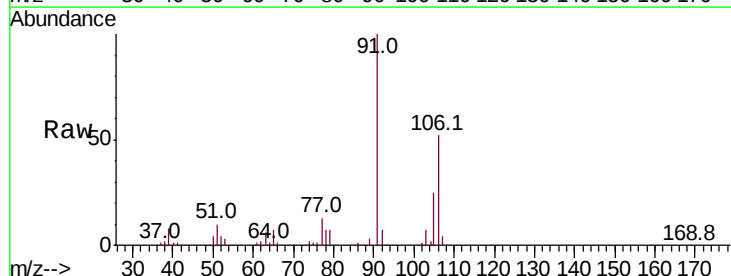
Acq: 17 Oct 2019 15:13

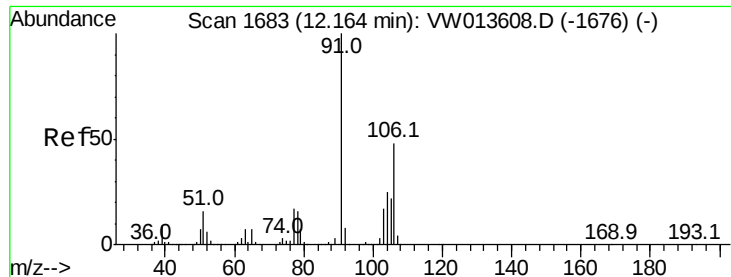
Tgt Ion: 106 Resp: 275490

Ion Ratio Lower Upper

106 100

91 193.3 139.4 258.8





#55

o-xylene

Concen: 24.738 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW013612.D

Acq: 17 Oct 2019 15:13

Instrument :

MSVOA_W

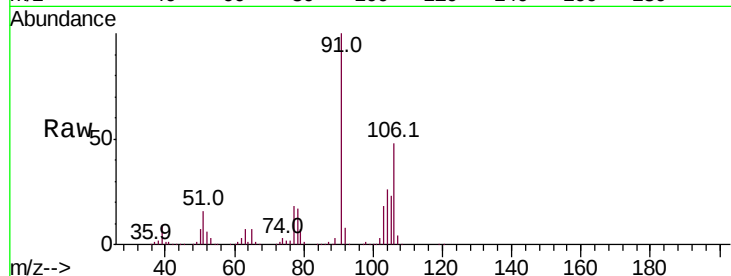
ClientSampleId :

Tot Ion:106 Resp: 263842

Ion Ratio Lower Upper

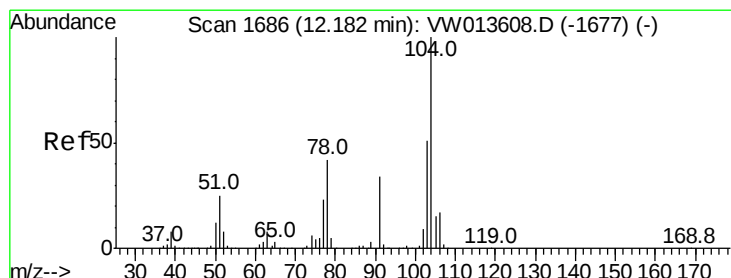
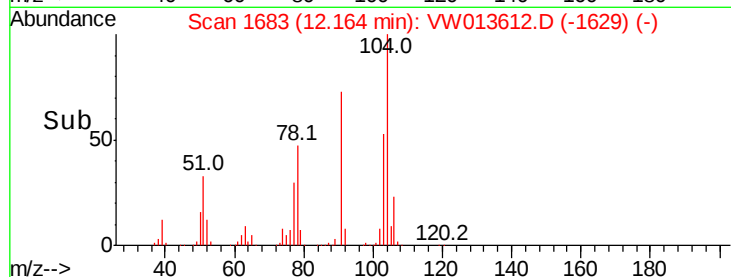
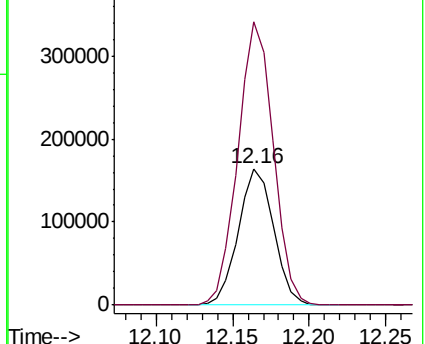
106 100

91 207.2 148.4 275.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 24.995 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW013612.D

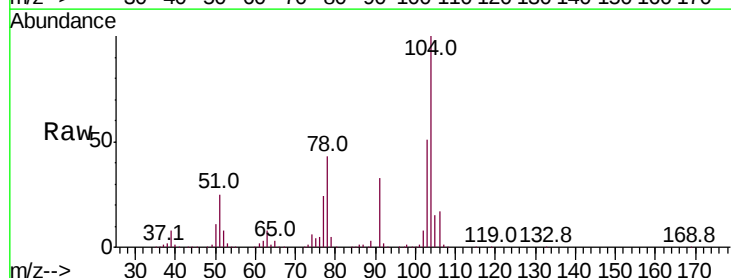
Acq: 17 Oct 2019 15:13

Tgt Ion:104 Resp: 454005

Ion Ratio Lower Upper

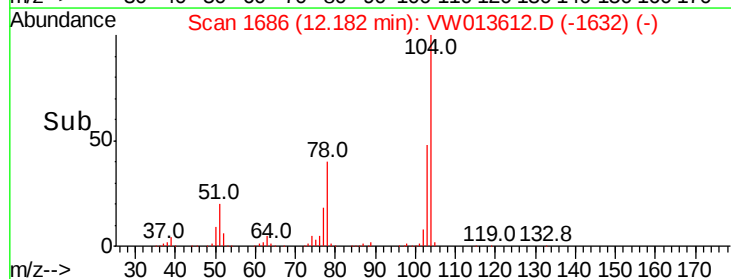
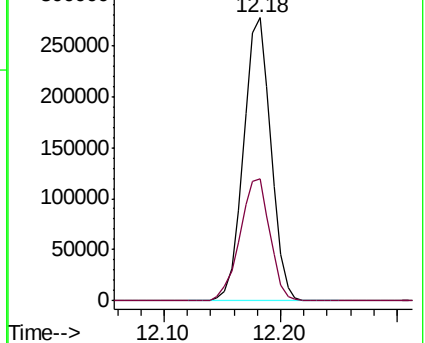
104 100

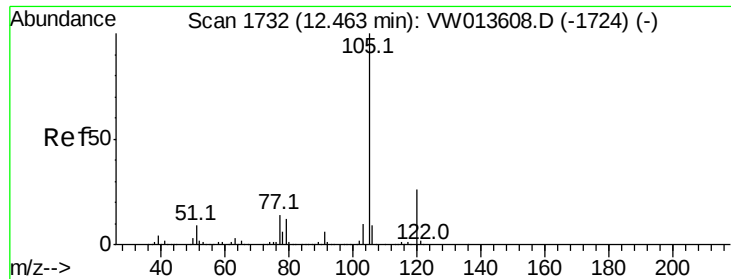
78 43.0 28.4 52.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 24.806 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013612.D

Acq: 17 Oct 2019 15:13

Instrument :

MSVOA_W

ClientSampleId :

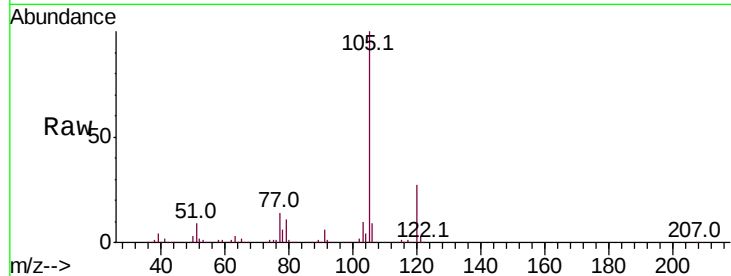
Tot Ion:105 Resp: 717680

Ion Ratio Lower Upper

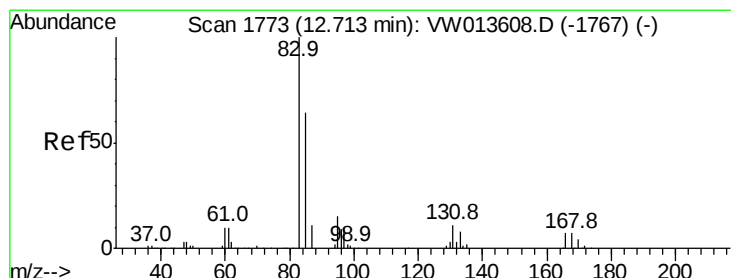
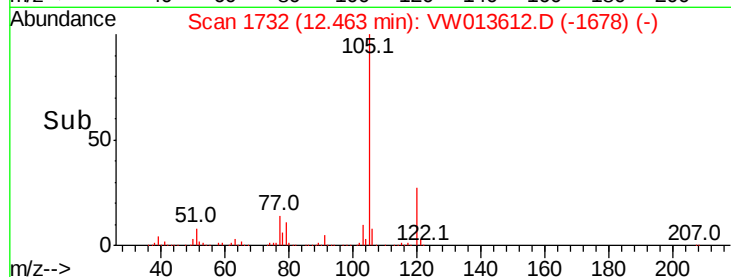
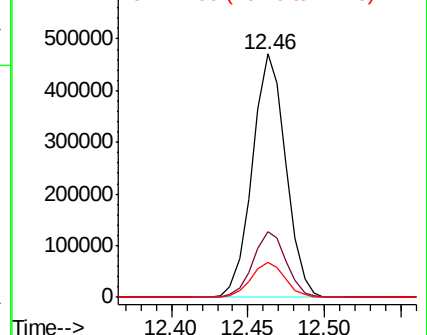
105 100

120 26.9 21.7 32.5

77 14.4 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: 26.435 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013612.D

Acq: 17 Oct 2019 15:13

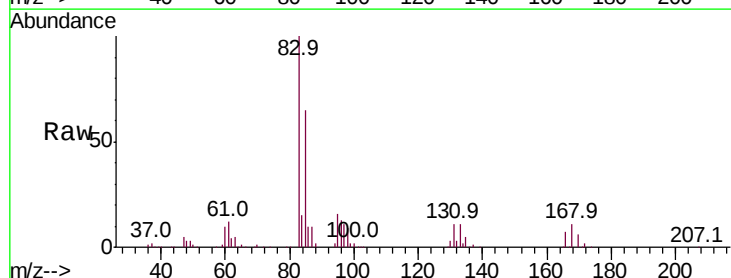
Tgt Ion: 83 Resp: 139444

Ion Ratio Lower Upper

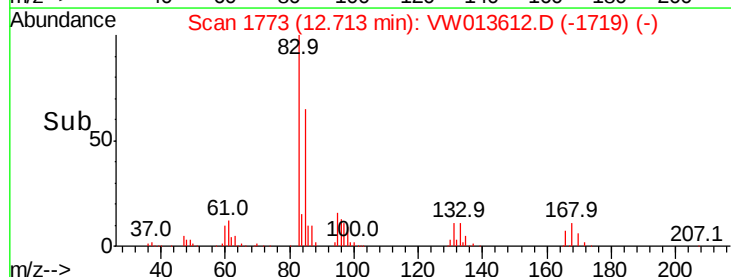
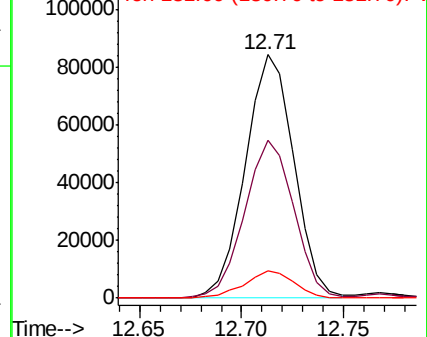
83 100

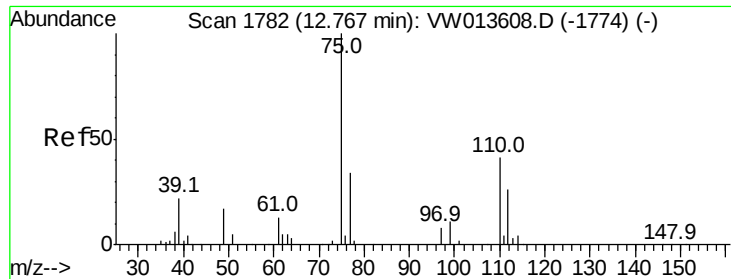
85 64.9 44.7 83.1

131 11.4 7.8 11.6



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

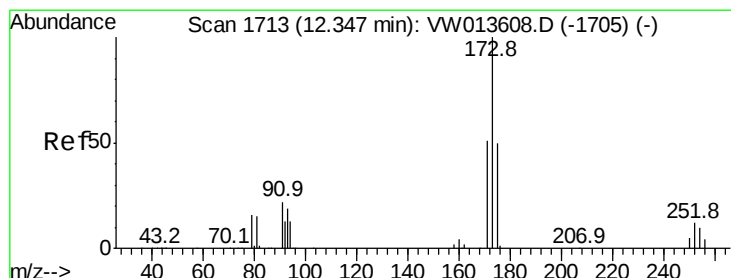
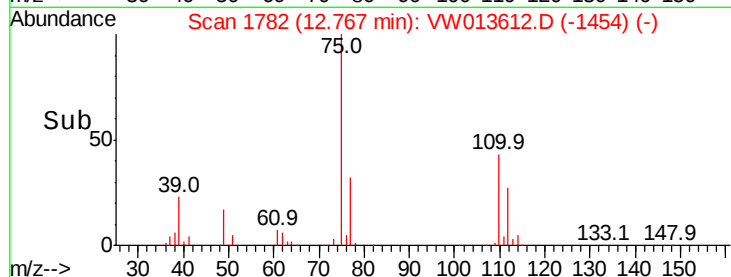
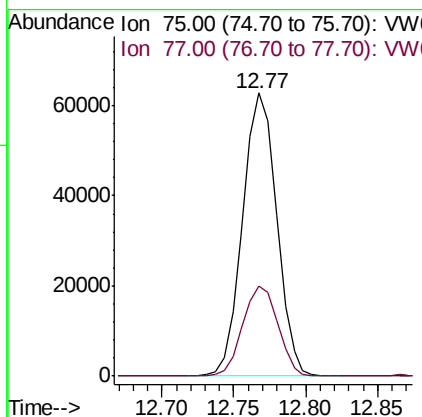
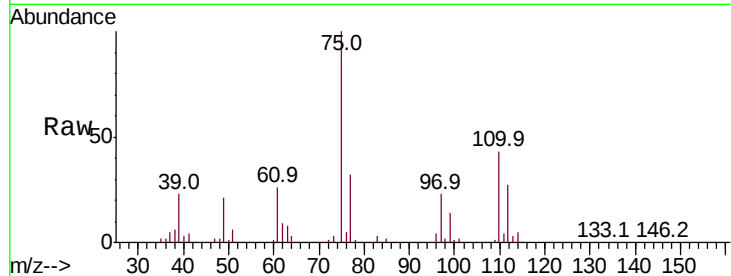




#59
 1,2,3-Trichloropropane
 Concen: 26.141 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW013612.D
 Acq: 17 Oct 2019 15:13

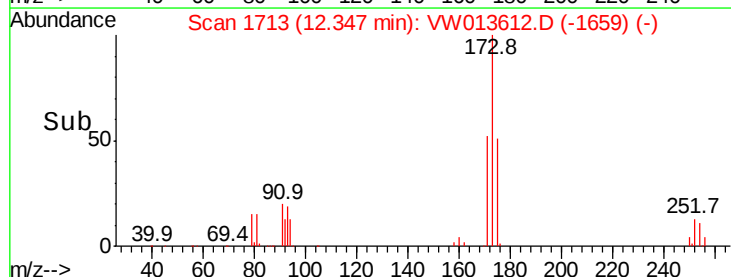
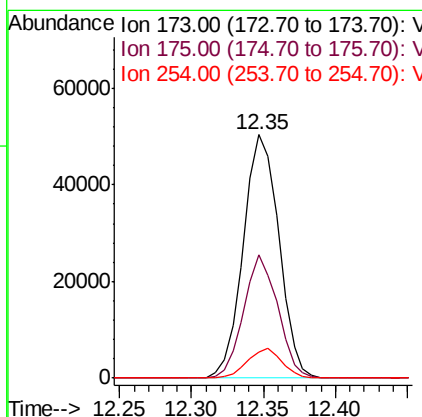
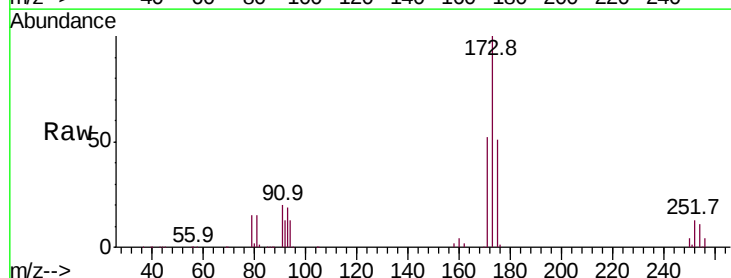
Instrument :
 MSVOA_W
 ClientSampleId :

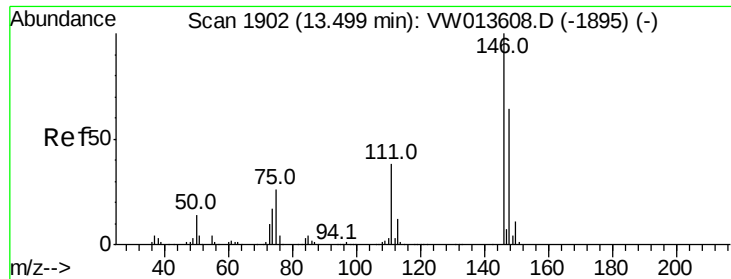
Tot Ion: 75 Resp: 102965
 Ion Ratio Lower Upper
 75 100
 77 32.7 25.5 38.3



#62
 Bromoform
 Concen: 25.991 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.00 min
 Lab File: VW013612.D
 Acq: 17 Oct 2019 15:13

Tgt Ion:173 Resp: 86242
 Ion Ratio Lower Upper
 173 100
 175 48.4 39.0 58.6
 254 11.7 10.1 15.1

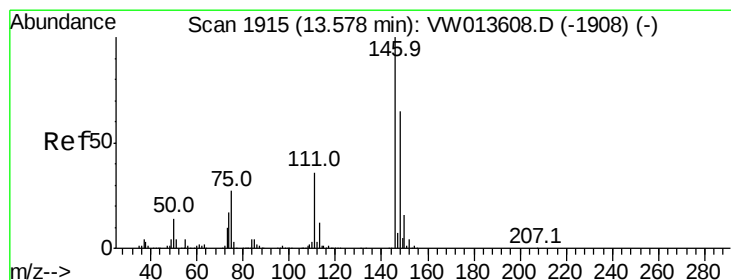
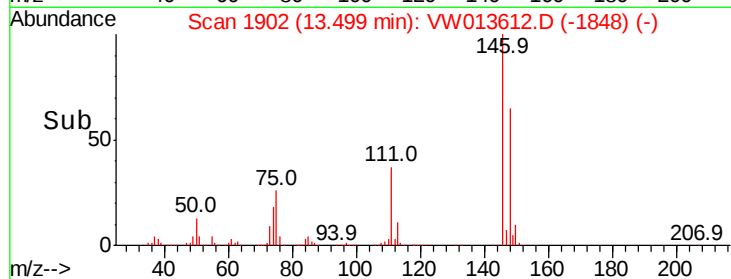
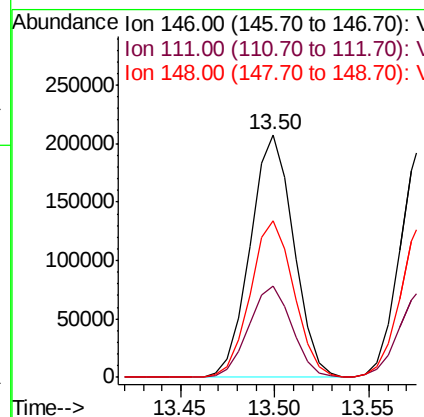
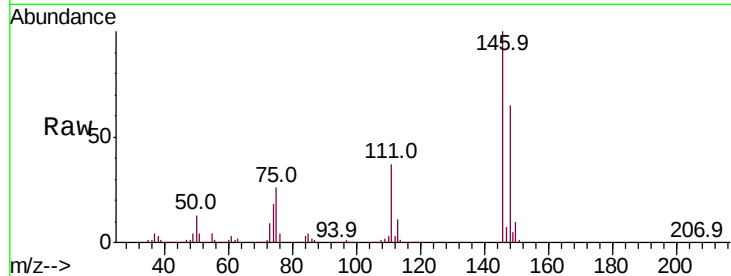




#63
 1,3-Dichlorobenzene
 Concen: 23.953 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013612.D
 Acq: 17 Oct 2019 15:13

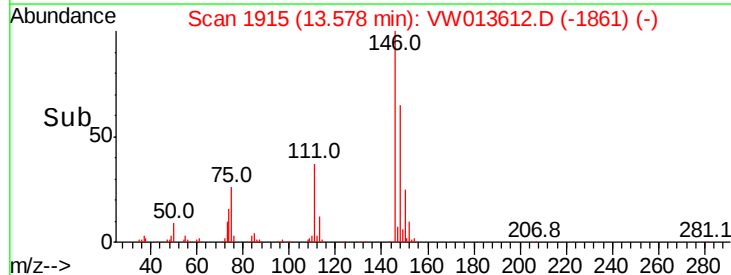
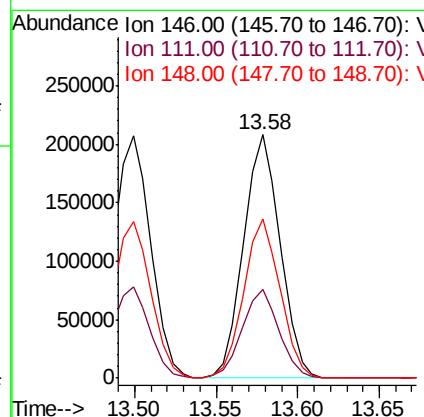
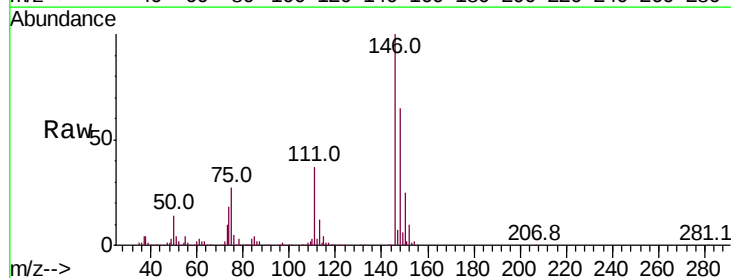
Instrument :
 MSVOA_W
 ClientSampleId :

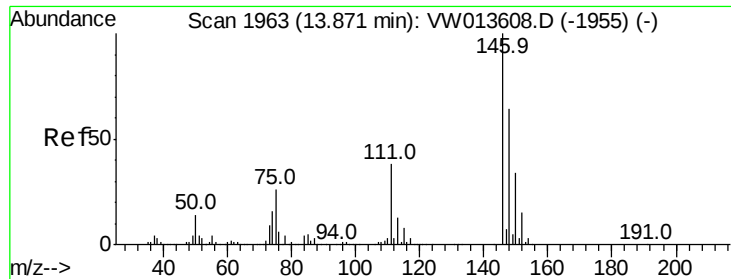
Tot Ion:146 Resp: 331121
 Ion Ratio Lower Upper
 146 100
 111 37.4 25.3 46.9
 148 64.7 42.8 79.4



#64
 1,4-Dichlorobenzene
 Concen: 23.696 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013612.D
 Acq: 17 Oct 2019 15:13

Tgt Ion:146 Resp: 326068
 Ion Ratio Lower Upper
 146 100
 111 36.6 25.8 47.8
 148 65.4 43.7 81.1





#65

1,2-Dichlorobenzene

Concen: 24.172 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW013612.D

Acq: 17 Oct 2019 15:13

Instrument :

MSVOA_W

ClientSampled :

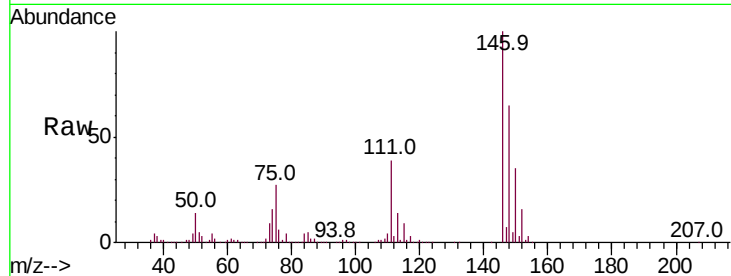
Tot Ion:146 Resp: 300447

Ion Ratio Lower Upper

146 100

111 38.6 31.0 46.4

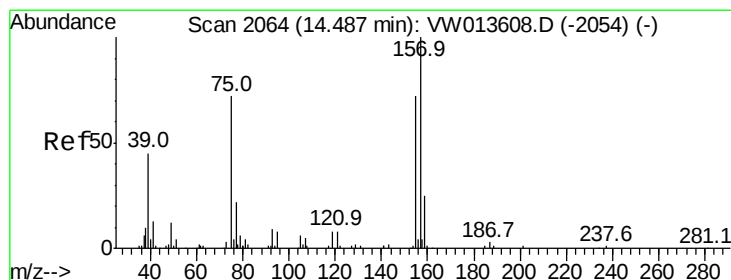
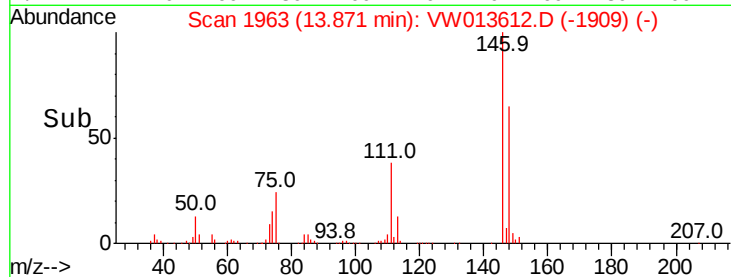
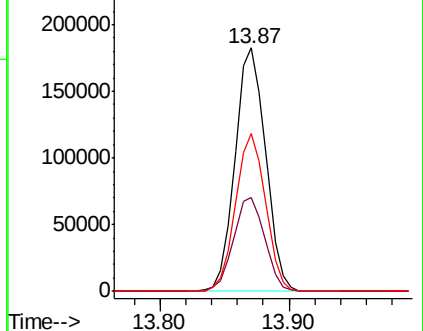
148 64.9 50.3 75.5



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



#66

1,2-Dibromo-3-chloropropane

Concen: 25.996 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW013612.D

Acq: 17 Oct 2019 15:13

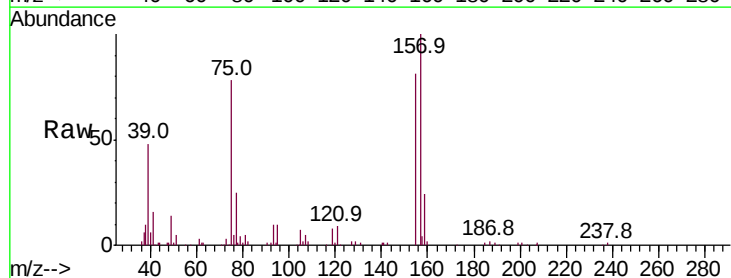
Tgt Ion: 75 Resp: 22307

Ion Ratio Lower Upper

75 100

157 127.7 102.0 153.0

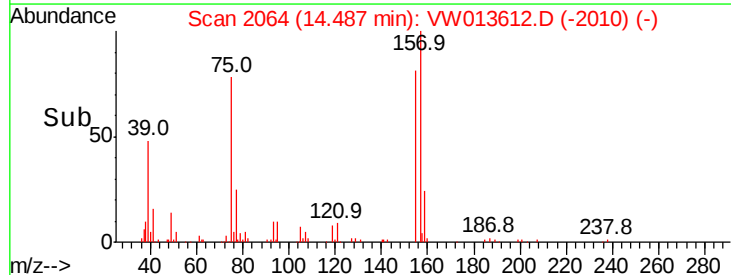
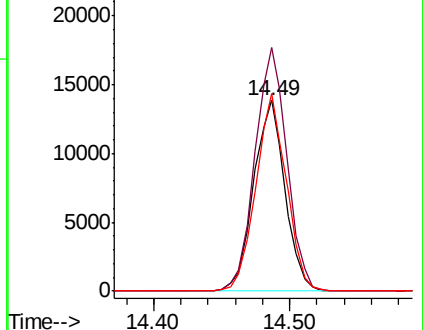
155 103.3 77.6 116.4

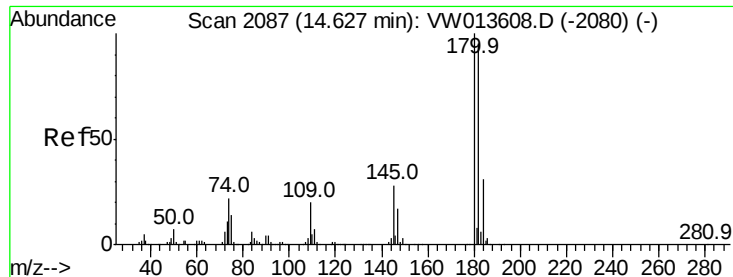


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

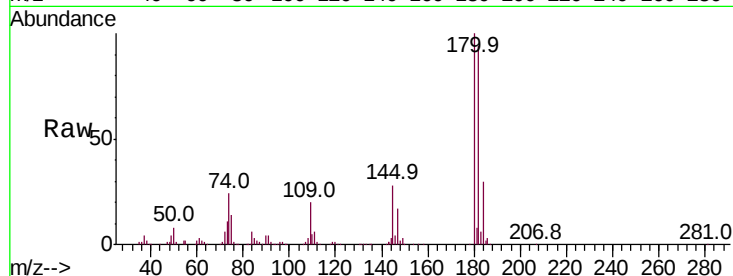




#67
 1,3,5-Trichlorobenzene
 Concen: 23.637 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW013612.D
 Acq: 17 Oct 2019 15:13

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	77.0	115.4
184	30.4	24.7	37.1
145	27.4	22.2	33.2



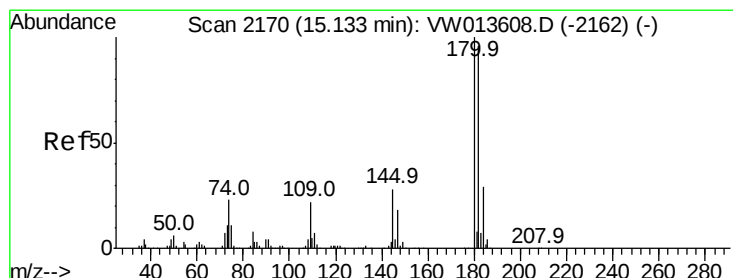
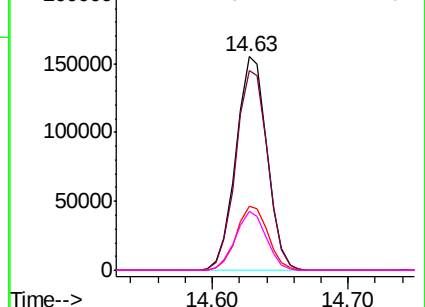
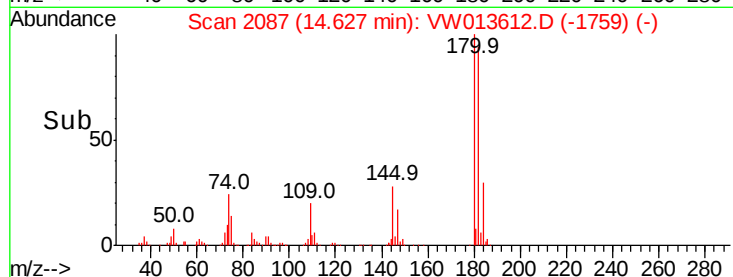
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

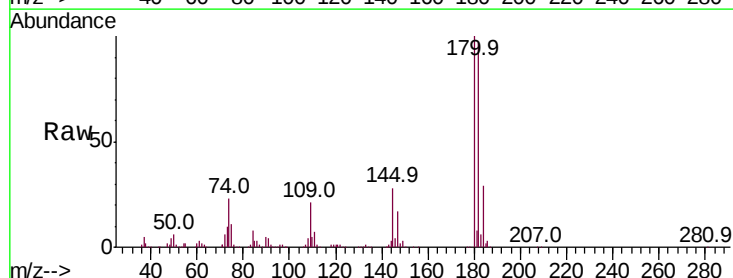
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 23.818 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013612.D
 Acq: 17 Oct 2019 15:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	78.2	117.2
145	27.7	22.8	34.2

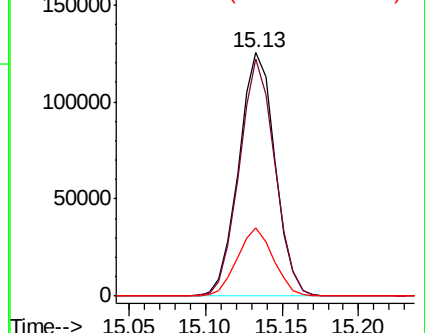
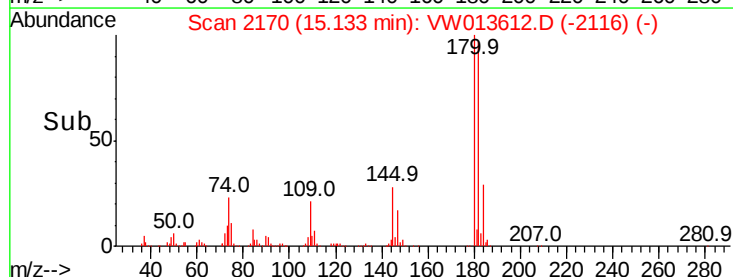


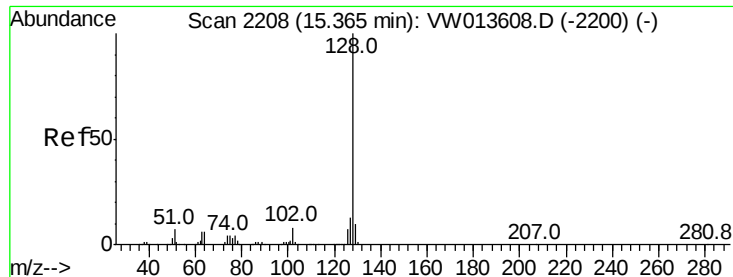
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 25.055 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW013612.D

Acq: 17 Oct 2019 15:13

Instrument :

MSVOA_W

ClientSampleId :

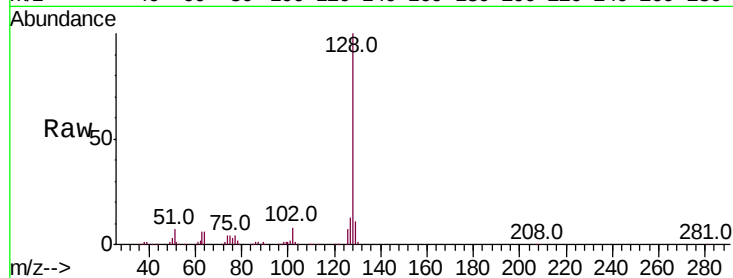
Tot Ion:128 Resp: 394650

Ion Ratio Lower Upper

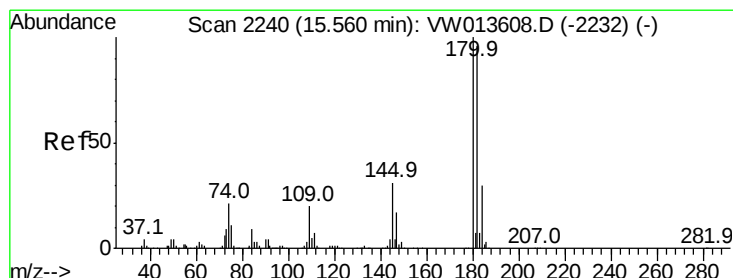
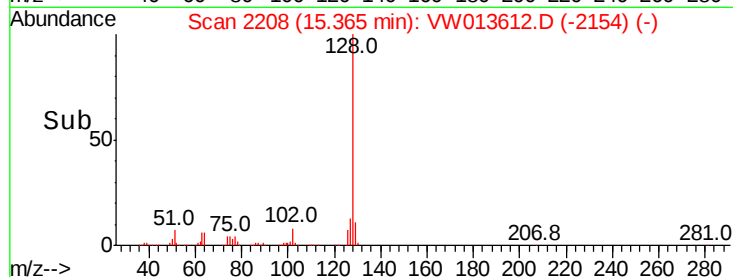
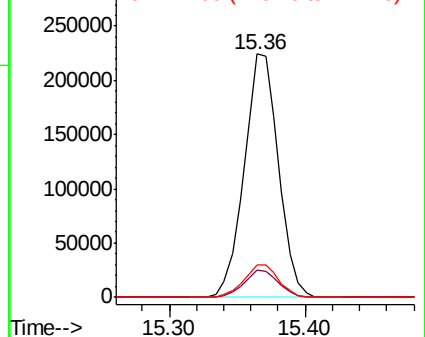
128 100

129 11.1 8.5 12.7

127 13.3 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: 23.359 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.01 min

Lab File: VW013612.D

Acq: 17 Oct 2019 15:13

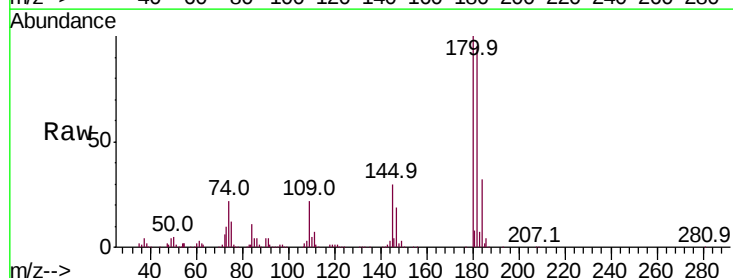
Tgt Ion:180 Resp: 179878

Ion Ratio Lower Upper

180 100

182 97.6 76.0 114.0

145 29.8 23.1 34.7



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

