

Data File : VW011886.D
Acq On : 13 Aug 2019 10:35
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02512

Quant Time: Aug 14 04:54:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis
QLast Update : Mon Aug 12 18:40:27 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	331745	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	292987	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	144760	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	135582	29.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	116.08%
7) Chloroethane-d5	2.89	69	98511	29.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	117.12%
10) 1,1-Dichloroethene-d2	4.02	63	301429	28.15	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	112.60%#
20) 2-Butanone-d5	7.08	46	96447	45.85	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.70%
24) Chloroform-d	7.65	84	250815	27.53	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	110.12%
26) 1,2-Dichloroethane-d4	8.31	65	148454	27.53	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	110.12%
29) Benzene-d6	8.27	84	509019	27.63	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	110.52%
33) 1,2-Dichloropropane-d6	9.27	67	163801	27.54	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	110.16%
37) Toluene-d8	10.32	98	450478	27.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	110.20%
38) trans-1,3-Dichloropropene-	10.58	79	70717	27.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	108.52%
39) 2-Hexanone-d5	10.93	63	67249	48.41	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.82%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	124546	25.22	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.88%
61) 1,2-Dichlorobenzene-d4	13.85	152	146555	26.27	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	105.08%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	99990	26.894 ug/L	98
3) Chloromethane	2.21	50	117041	24.201 ug/L	100
5) Vinyl chloride	2.36	62	157548	25.534 ug/L	99
6) Bromomethane	2.78	94	76157	26.181 ug/L	99
8) Chloroethane	2.92	64	85594	26.524 ug/L	98
9) Trichlorofluoromethane	3.26	101	85418	27.176 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	129319	27.138 ug/L	97
12) 1,1-Dichloroethene	4.04	96	125346	26.307 ug/L #	80
13) Acetone	4.12	43	104160	46.237 ug/L	98
14) Carbon disulfide	4.39	76	382993	24.680 ug/L	99
15) Methyl Acetate	4.67	43	88279	23.968 ug/L	98
16) Methylene chloride	4.92	84	135940	26.258 ug/L	95
17) Methyl tert-butyl Ether	5.42	73	218858	27.583 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	129416	26.289 ug/L	97
19) 1,1-Dichloroethane	6.21	63	269762	27.431 ug/L	99
21) 2-Butanone	7.17	43	129603	45.887 ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	138869	26.964 ug/L	98

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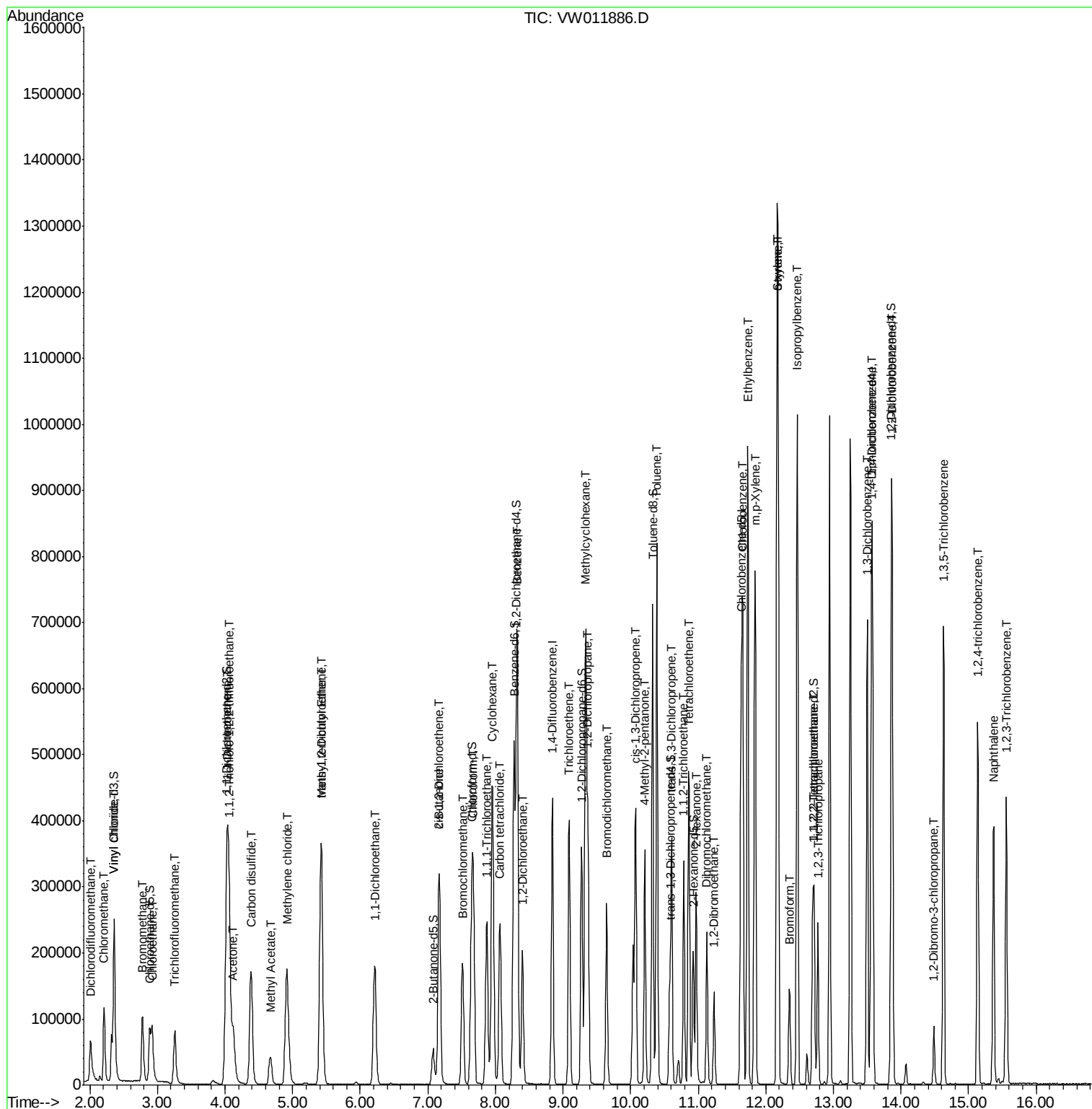
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	57706	26.334	ug/L	95
25) Chloroform	7.68	83	247835	27.342	ug/L	99
27) 1,2-Dichloroethane	8.40	62	184484	27.494	ug/L	99
30) Cyclohexane	7.96	56	268492	26.363	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	195353	27.364	ug/L	99
32) Carbon tetrachloride	8.07	117	182601	27.188	ug/L	99
34) Benzene	8.32	78	561558	27.351	ug/L	100
35) Trichloroethene	9.09	95	140180	26.894	ug/L	98
36) Methylcyclohexane	9.34	83	251151	26.560	ug/L	99
40) 1,2-Dichloropropane	9.37	63	149312	27.244	ug/L	100
41) Bromodichloromethane	9.65	83	181434	28.054	ug/L	96
42) cis-1,3-Dichloropropene	10.07	75	229739	28.025	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	254746	51.302	ug/L	100
44) Toluene	10.39	91	575746	27.601	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	189474	27.780	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	100293	26.841	ug/L	96
47) Tetrachloroethene	10.86	164	104597	26.272	ug/L	94
49) 2-Hexanone	10.97	43	196501	51.363	ug/L	99
50) Dibromochloromethane	11.13	129	114491	27.799	ug/L	98
51) 1,2-Dibromoethane	11.24	107	95618	26.298	ug/L	100
52) Chlorobenzene	11.66	112	341937	27.170	ug/L	98
53) Ethylbenzene	11.73	91	644105	27.689	ug/L	99
54) m,p-Xylene	11.84	106	235041	27.787	ug/L	99
55) o-xylene	12.16	106	222763	27.983	ug/L	100
56) Styrene	12.18	104	387730	28.648	ug/L	98
57) Isopropylbenzene	12.46	105	614881	28.076	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	129806	26.142	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	97737	25.520	ug/L	98
62) Bromoform	12.35	173	65054	25.118	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	263222	26.791	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	261877	26.542	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	239111	26.876	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	22479	24.412	ug/L	98
67) 1,3,5-Trichlorobenzene	14.63	180	199066	27.527	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	164926	28.318	ug/L	99
69) Naphthalene	15.37	128	315234	26.878	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	149871	27.785	ug/L	99

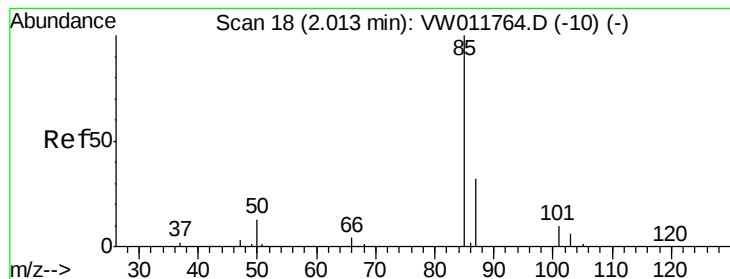
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 26.894 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW011886.D

Acq: 13 Aug 2019 10:35

Instrument :

MSVOA_W

ClientSampleId :

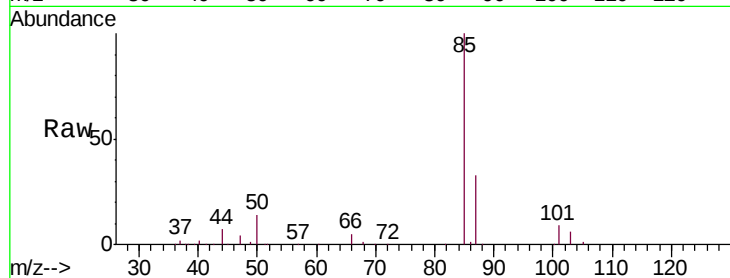
VSTD02512

Tgt Ion: 85 Resp: 99990

Ion Ratio Lower Upper

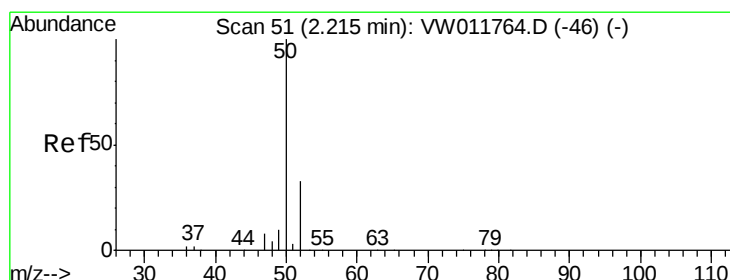
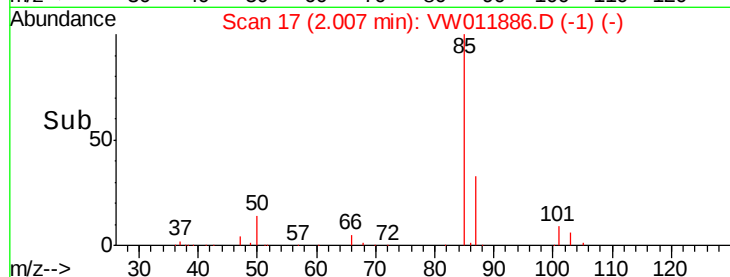
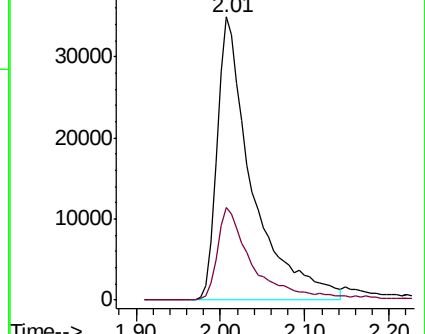
85 100

87 32.4 21.8 40.6



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 24.201 ug/L

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW011886.D

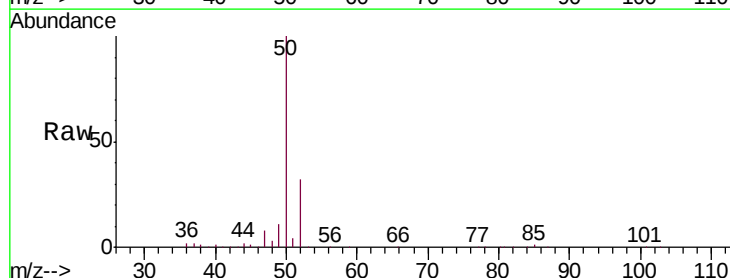
Acq: 13 Aug 2019 10:35

Tgt Ion: 50 Resp: 117041

Ion Ratio Lower Upper

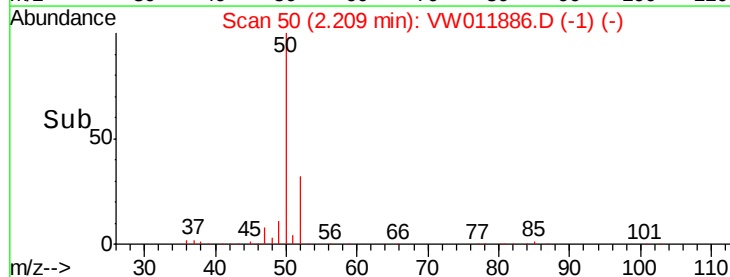
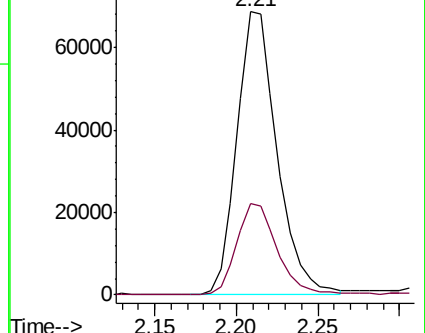
50 100

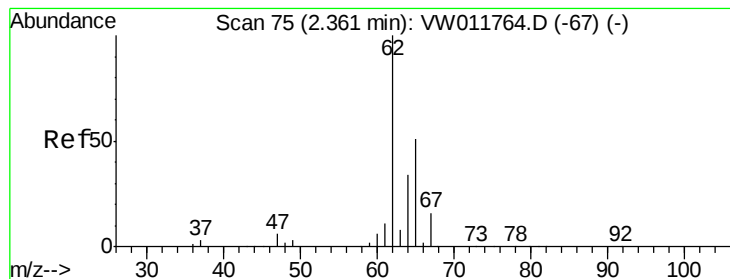
52 32.1 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 25.534 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.01 min

Lab File: VW011886.D

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ClientSampleId :

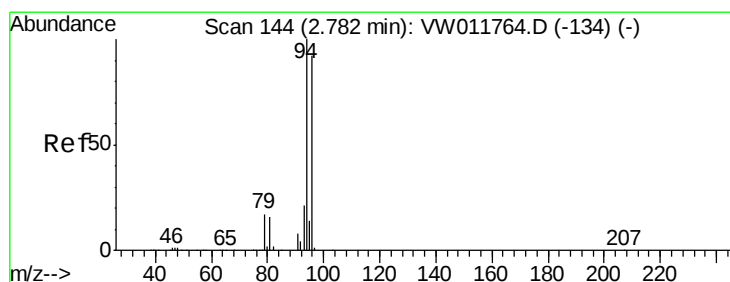
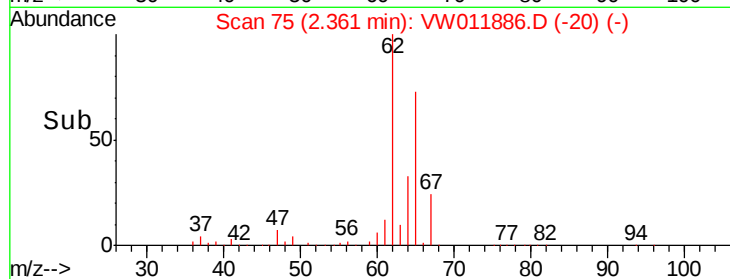
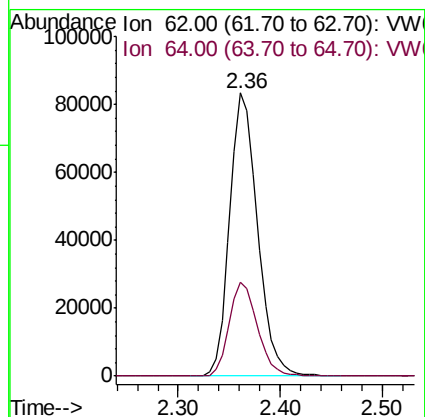
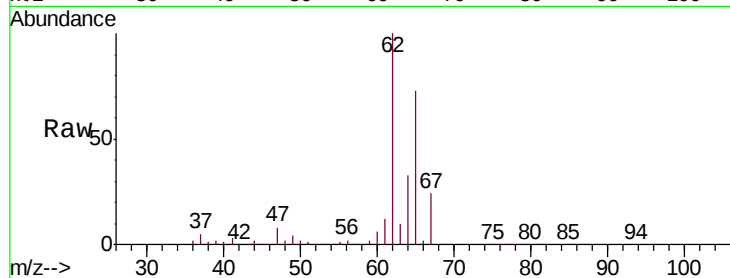
VSTD02512

Tgt Ion: 62 Resp: 157548

Ion Ratio Lower Upper

62 100

64 33.1 23.6 43.8



#6

Bromomethane

Concen: 26.181 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW011886.D

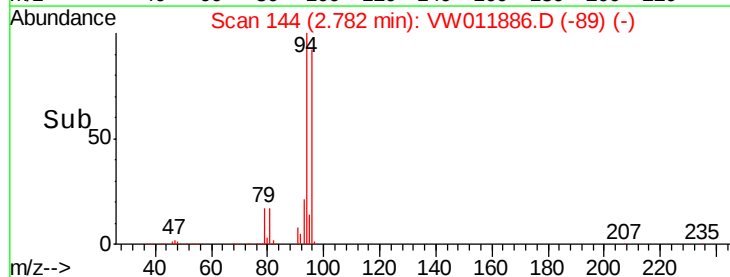
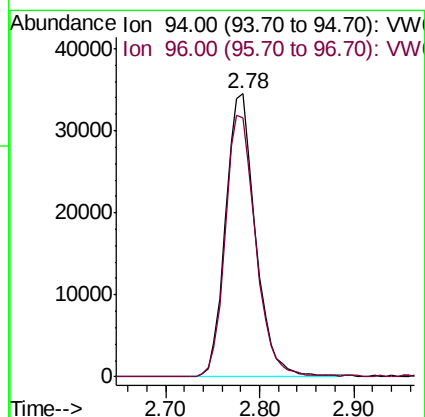
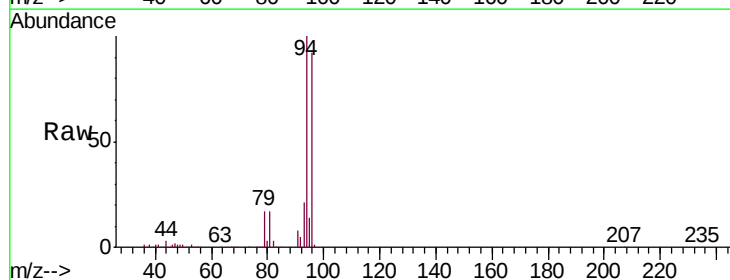
Acq: 13 Aug 2019 10:35

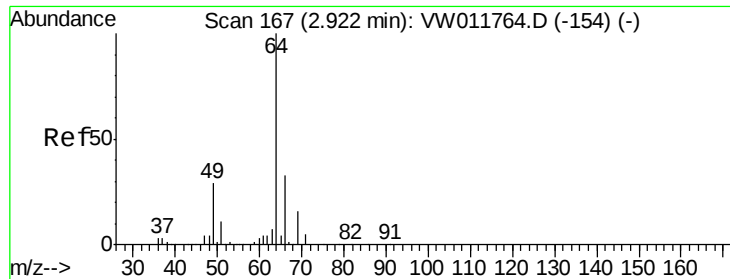
Tgt Ion: 94 Resp: 76157

Ion Ratio Lower Upper

94 100

96 93.7 9.3 175.9





#8

Chloroethane

Concen: 26.524 ug/L

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW011886.D

Acq: 13 Aug 2019 10:35

Instrument :

MSVOA_W

ClientSampleId :

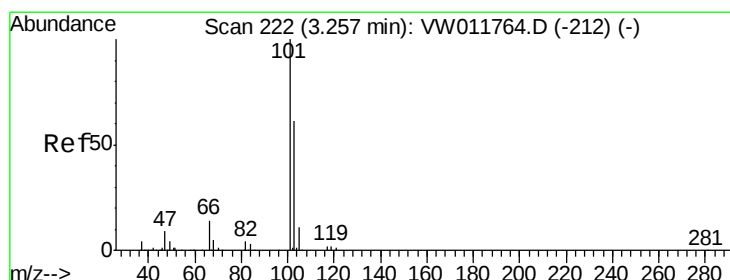
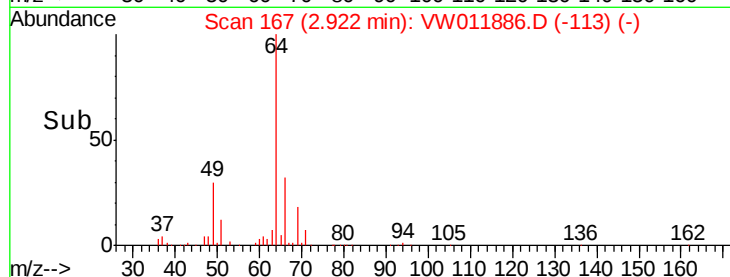
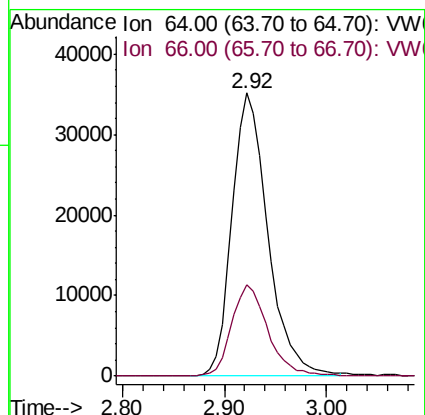
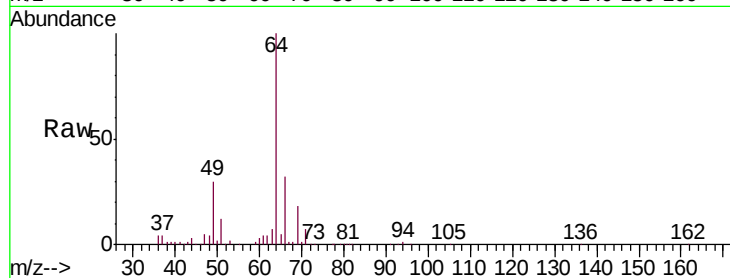
VSTD02512

Tgt Ion: 64 Resp: 85594

Ion Ratio Lower Upper

64 100

66 32.3 22.0 40.8



#9

Trichlorofluoromethane

Concen: 27.176 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.01 min

Lab File: VW011886.D

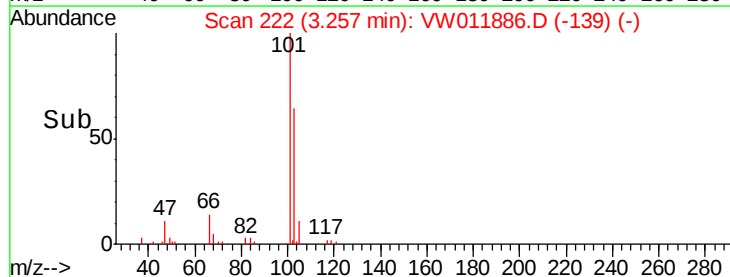
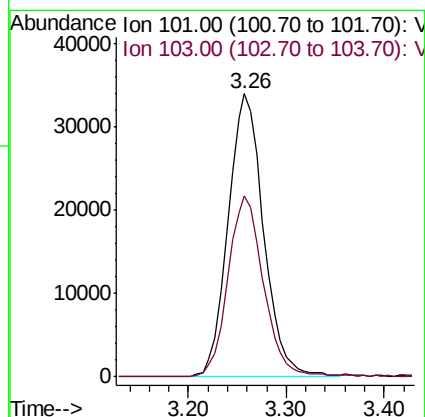
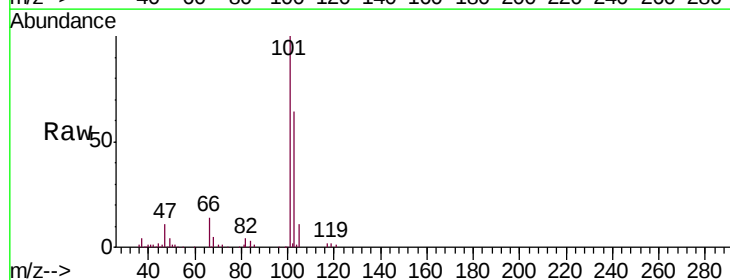
Acq: 13 Aug 2019 10:35

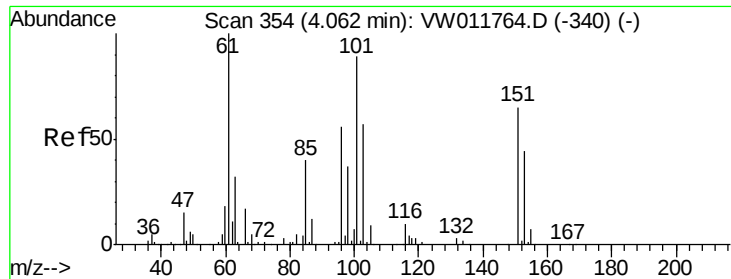
Tgt Ion: 101 Resp: 85418

Ion Ratio Lower Upper

101 100

103 63.5 44.3 82.3





#11

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

Concen: 27.138 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

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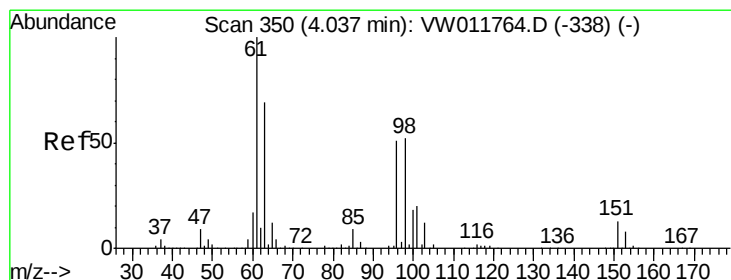
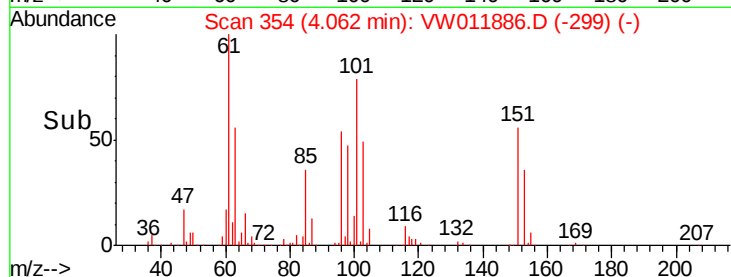
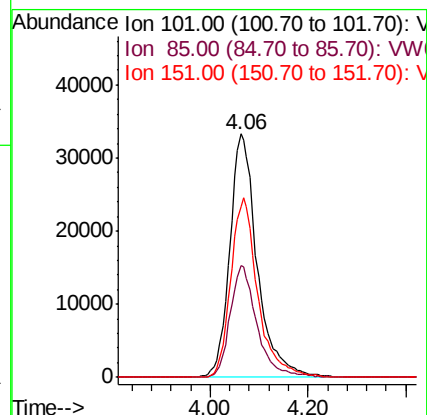
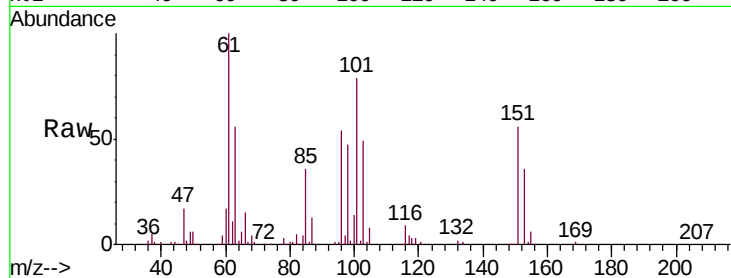
Tgt Ion:101 Resp: 129319

Ion Ratio Lower Upper

101 100

85 44.5 37.0 55.4

151 72.7 60.8 91.2



#12

1,1-Dichloroethene

Concen: 26.307 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.01 min

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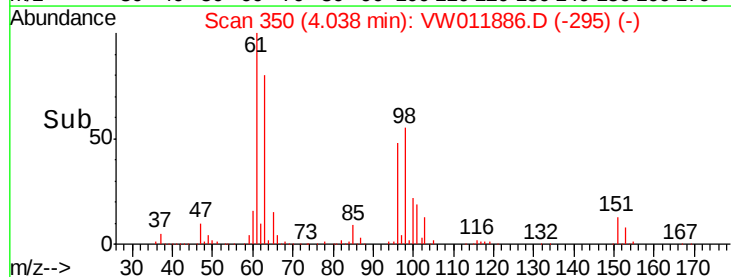
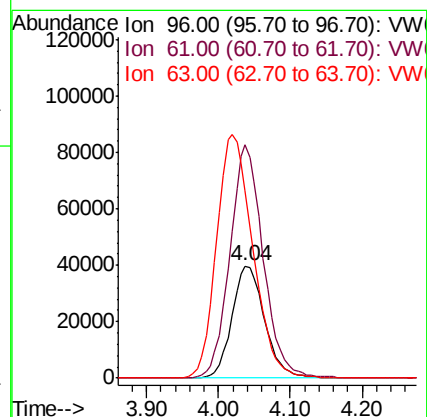
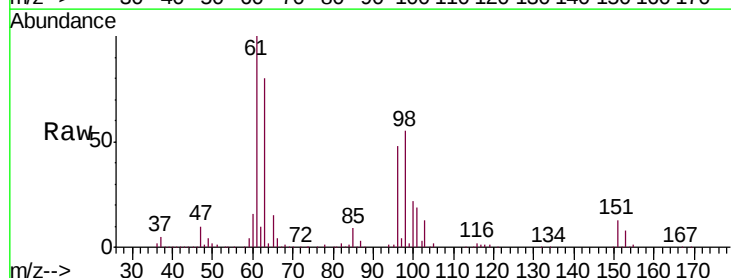
Tgt Ion: 96 Resp: 125346

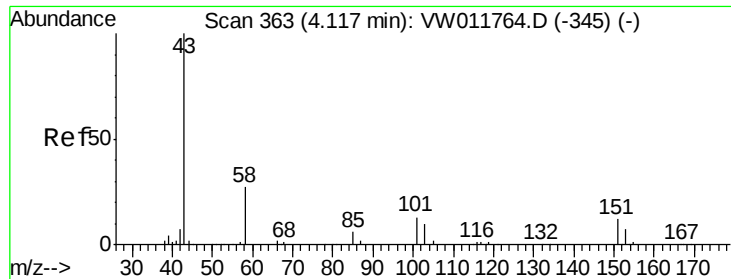
Ion Ratio Lower Upper

96 100

61 209.0 135.0 250.8

63 167.2 89.2 165.8#





#13

Acetone

Concen: 46.237 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.04 min

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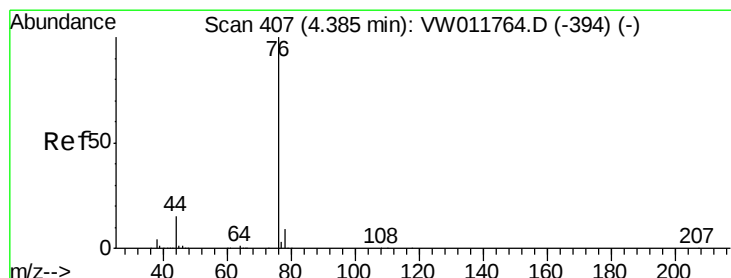
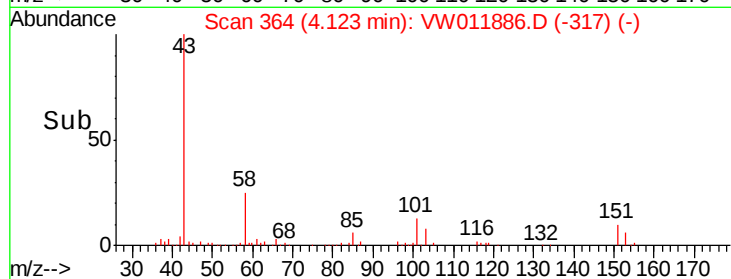
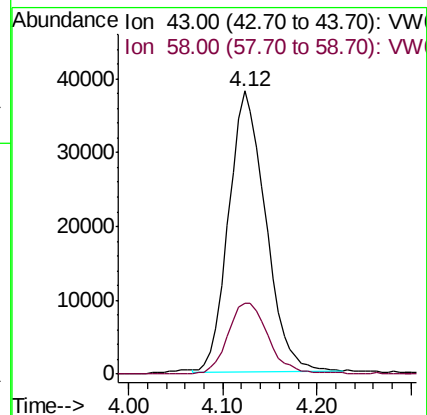
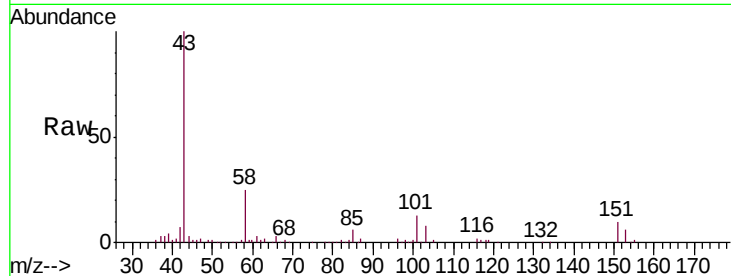
VSTD02512

Tgt Ion: 43 Resp: 104160

Ion Ratio Lower Upper

43 100

58 27.6 0.0 53.4



#14

Carbon disulfide

Concen: 24.680 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW011886.D

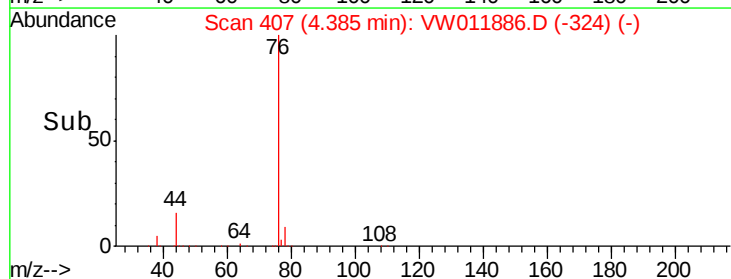
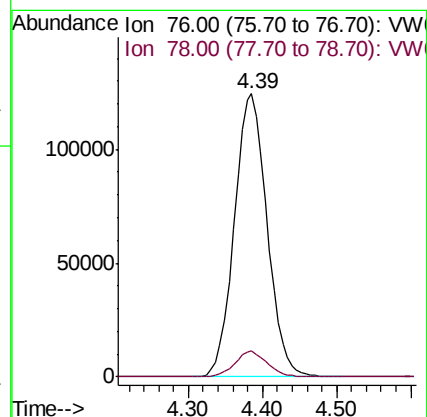
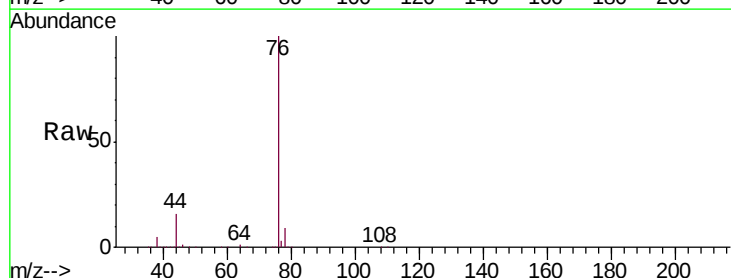
Acq: 13 Aug 2019 10:35

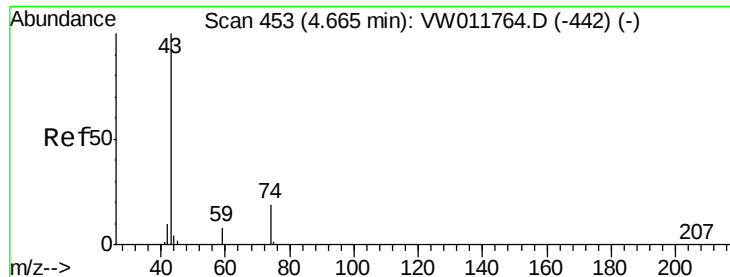
Tgt Ion: 76 Resp: 382993

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.6

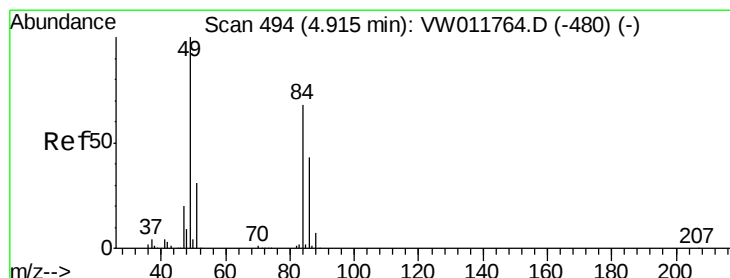
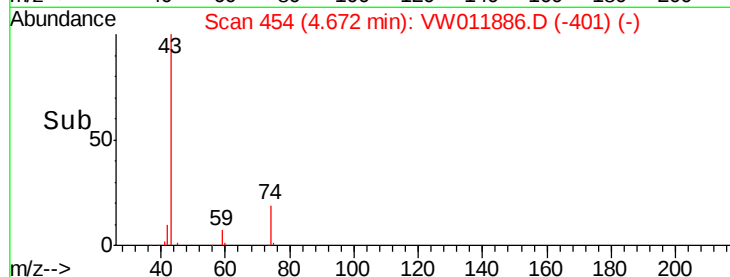
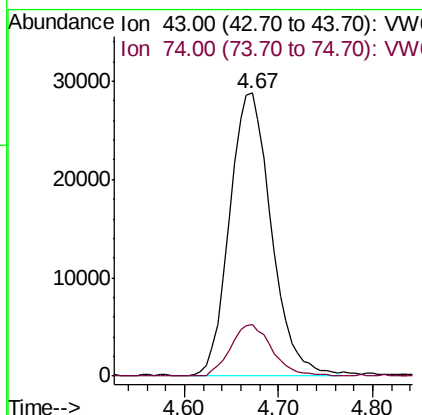
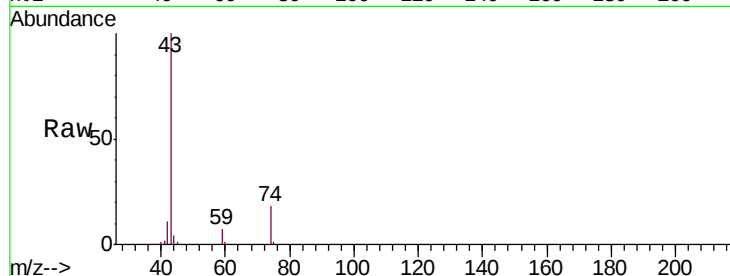




#15
Methyl Acetate
Concen: 23.968 ug/L
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW011886.D
Acq: 13 Aug 2019 10:35

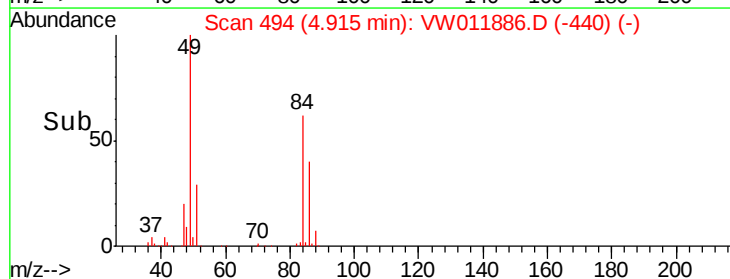
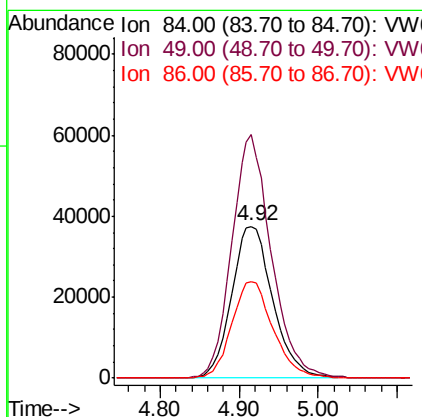
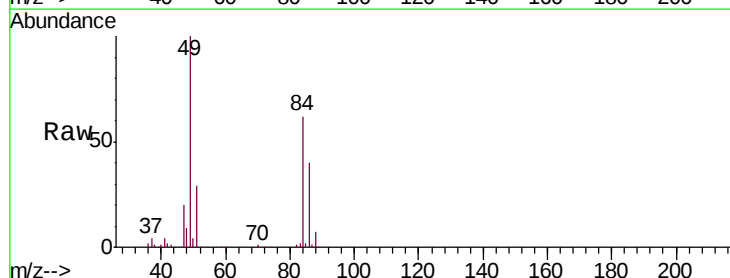
Instrument :
MSVOA_W
ClientSampleId :
VSTD02512

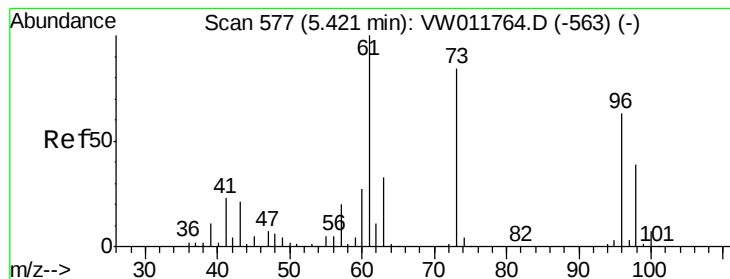
Tgt Ion: 43 Resp: 88279
Ion Ratio Lower Upper
43 100
74 17.8 15.0 22.4



#16
Methylene chloride
Concen: 26.258 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW011886.D
Acq: 13 Aug 2019 10:35

Tgt Ion: 84 Resp: 135940
Ion Ratio Lower Upper
84 100
49 160.7 106.8 198.4
86 63.7 42.8 79.4





#17

Methyl tert-butyl Ether

Concen: 27.583 ug/L

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW011886.D

Acq: 13 Aug 2019 10:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD02512

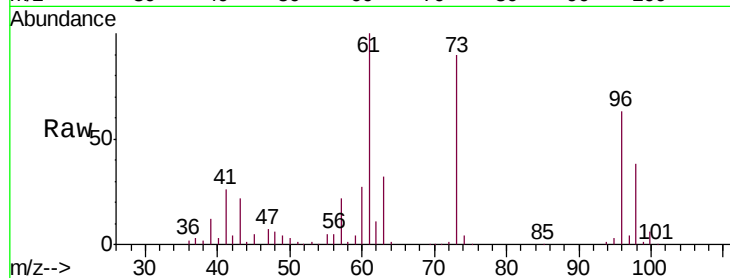
Tgt Ion: 73 Resp: 218858

Ion Ratio Lower Upper

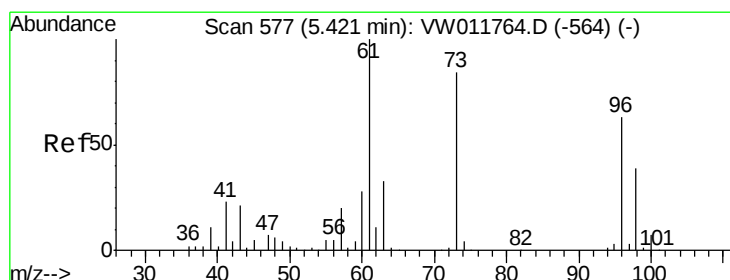
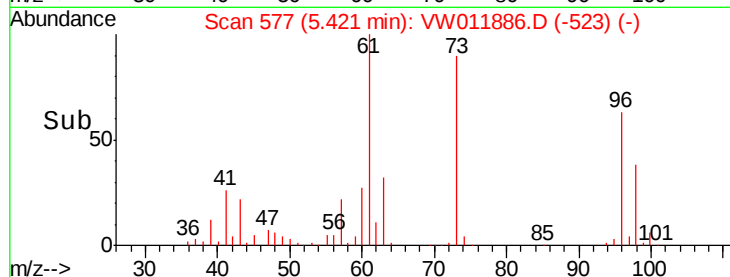
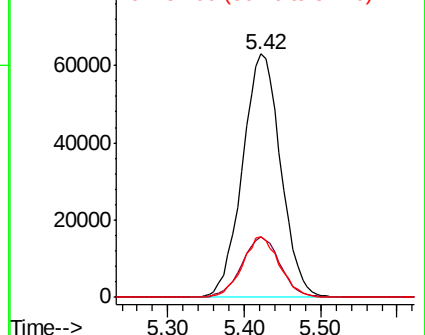
73 100

43 24.9 19.3 28.9

57 24.2 19.7 29.5



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



#18

trans-1,2-Dichloroethene

Concen: 26.289 ug/L

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW011886.D

Acq: 13 Aug 2019 10:35

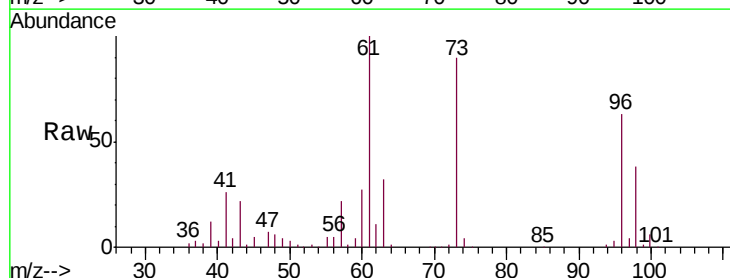
Tgt Ion: 96 Resp: 129416

Ion Ratio Lower Upper

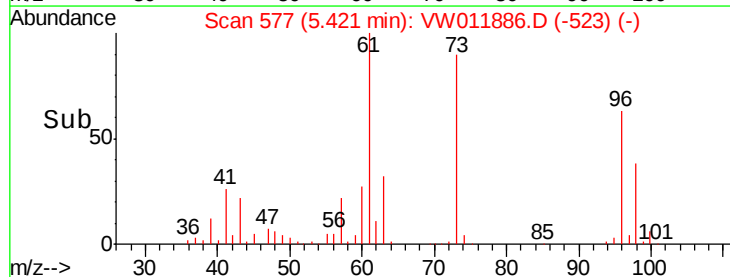
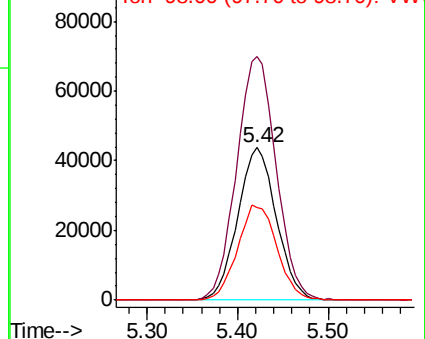
96 100

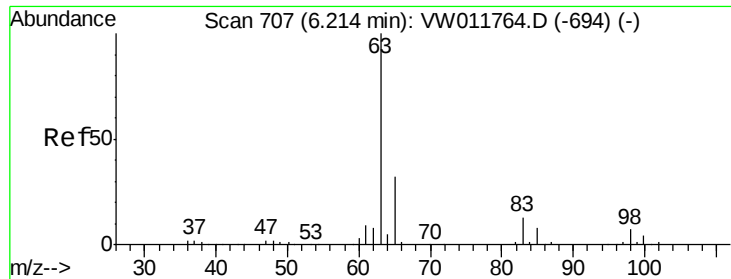
61 159.9 114.2 212.0

98 60.9 45.6 84.6



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

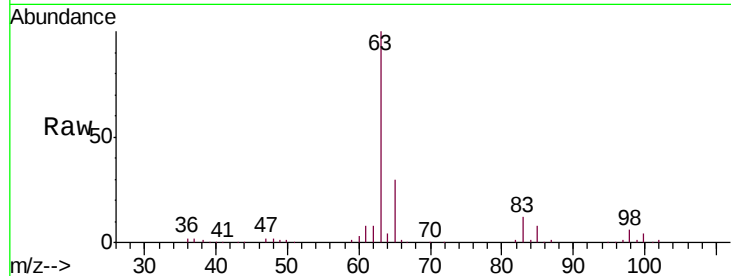




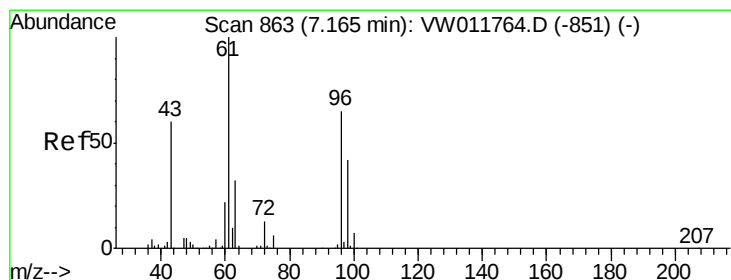
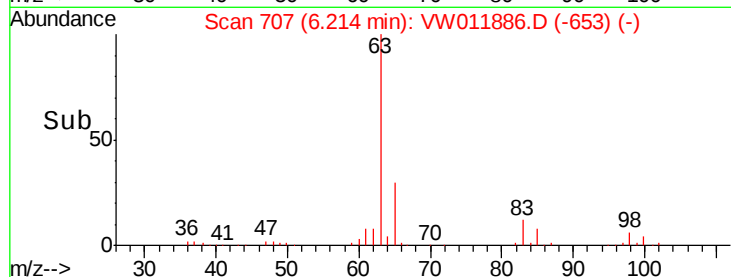
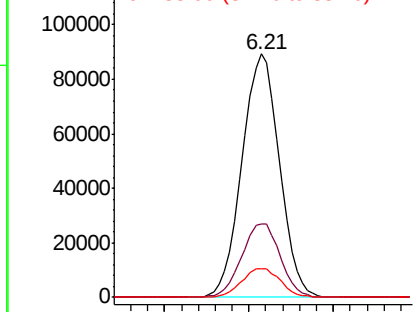
#19
 1,1-Dichloroethane
 Concen: 27.431 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW011886.D
 Acq: 13 Aug 2019 10:35

Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02512

Tgt Ion: 63 Resp: 269762
 Ion Ratio Lower Upper
 63 100
 65 30.3 21.7 40.3
 83 11.8 8.4 15.6

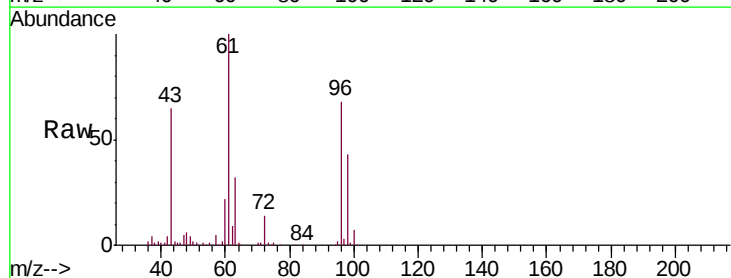


Abundance Ion 63.00 (62.70 to 63.70): VW
 120000 Ion 65.00 (64.70 to 65.70): VW
 100000 Ion 83.00 (82.70 to 83.70): VW

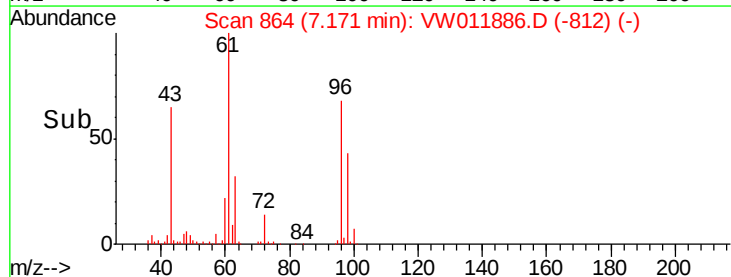
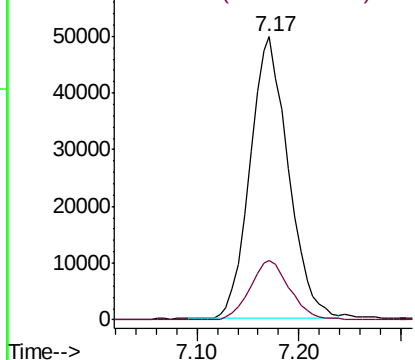


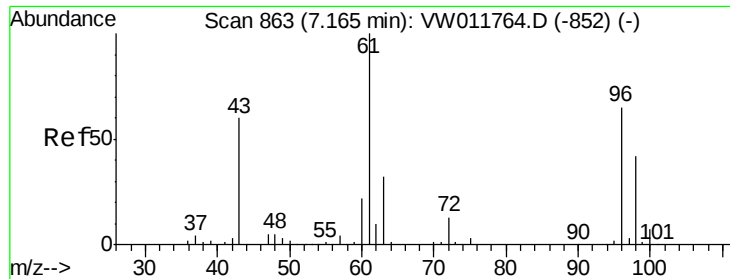
#21
 2-Butanone
 Concen: 45.887 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.01 min
 Lab File: VW011886.D
 Acq: 13 Aug 2019 10:35

Tgt Ion: 43 Resp: 129603
 Ion Ratio Lower Upper
 43 100
 72 21.8 10.7 32.1



Abundance Ion 43.00 (42.70 to 43.70): VW
 50000 Ion 72.00 (71.70 to 72.70): VW

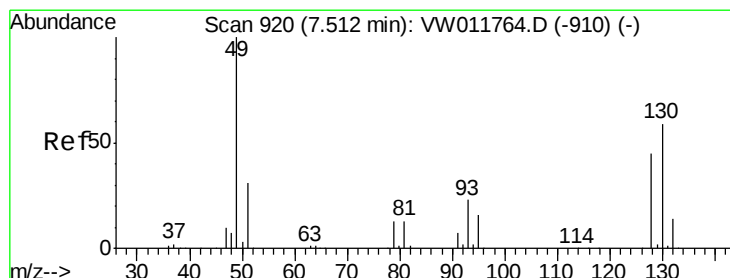
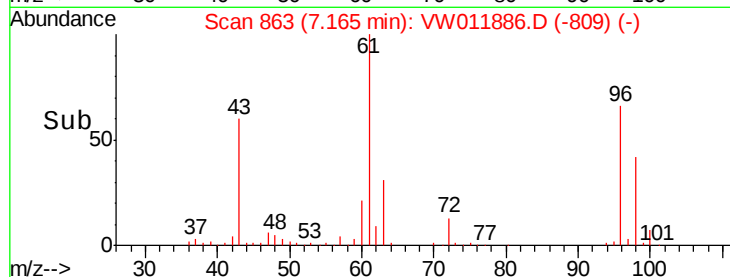
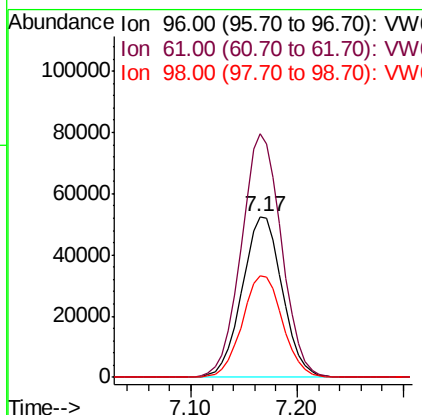
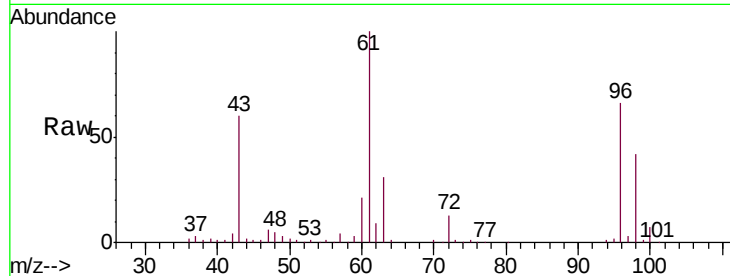




#22
 cis-1,2-Dichloroethene
 Concen: 26.964 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW011886.D
 Acq: 13 Aug 2019 10:35

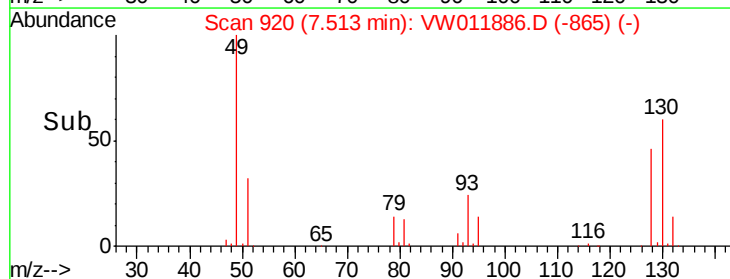
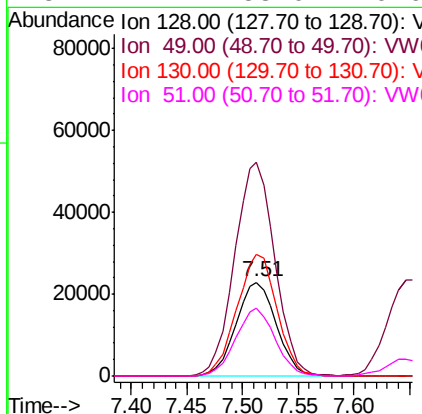
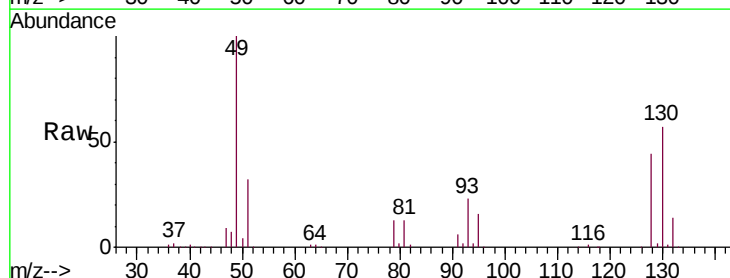
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02512

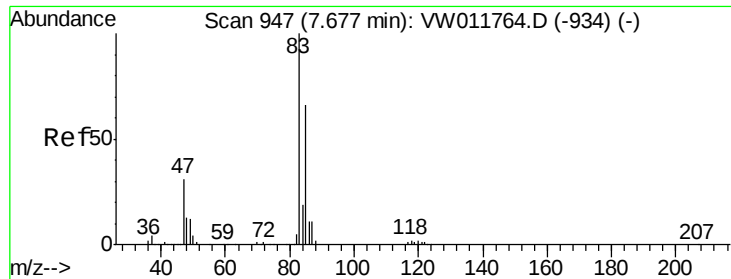
Tgt Ion: 96 Resp: 138869
 Ion Ratio Lower Upper
 96 100
 61 151.2 103.9 192.9
 98 63.5 43.5 80.9



#23
 Bromochloromethane
 Concen: 26.334 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VW011886.D
 Acq: 13 Aug 2019 10:35

Tgt Ion: 128 Resp: 57706
 Ion Ratio Lower Upper
 128 100
 49 228.1 153.6 285.3
 130 130.3 89.5 166.3
 51 72.7 53.0 79.6

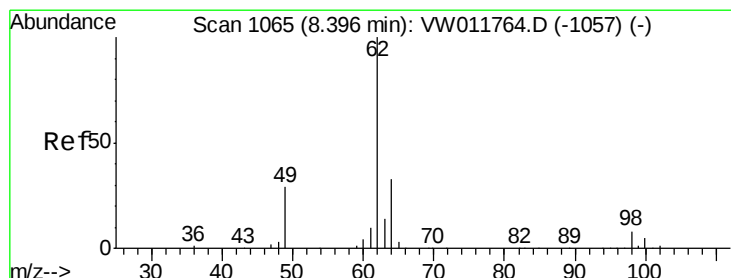
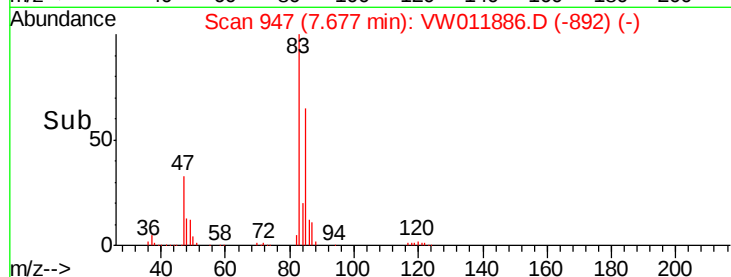
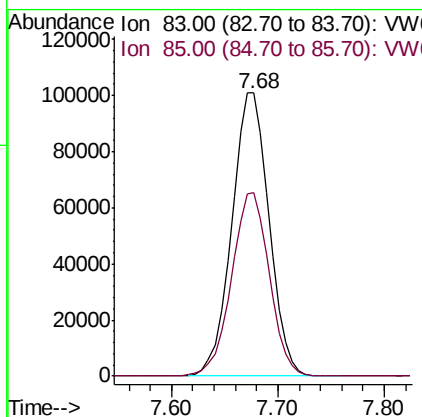
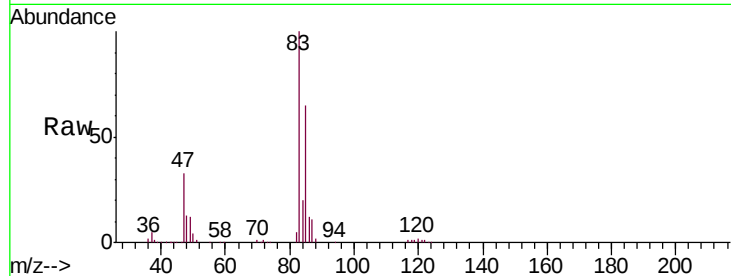




#25
Chloroform
Concen: 27.342 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW011886.D
Acq: 13 Aug 2019 10:35

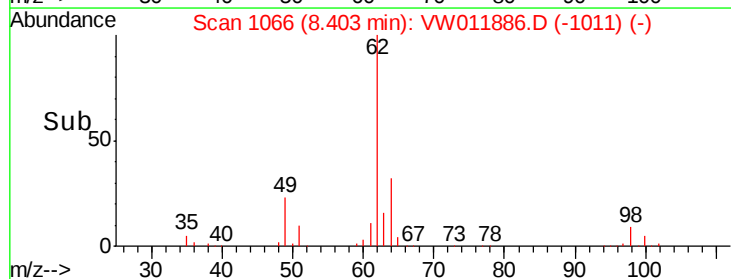
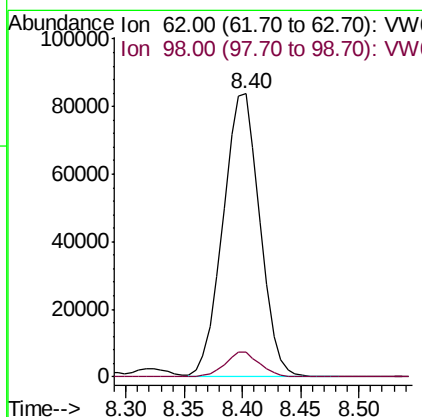
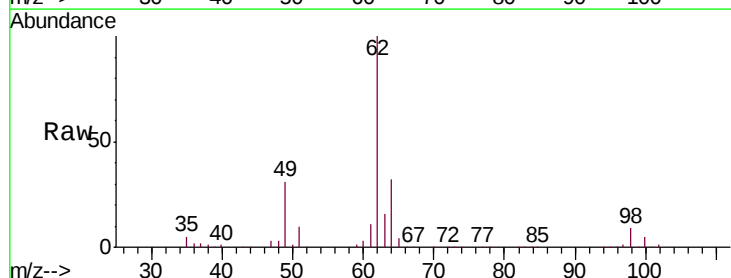
Instrument :
MSVOA_W
ClientSampled :
VSTD02512

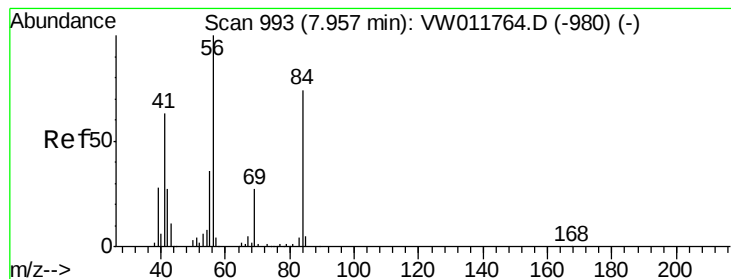
Tgt Ion: 83 Resp: 247835
Ion Ratio Lower Upper
83 100
85 65.6 45.4 84.2



#27
1,2-Dichloroethane
Concen: 27.494 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW011886.D
Acq: 13 Aug 2019 10:35

Tgt Ion: 62 Resp: 184484
Ion Ratio Lower Upper
62 100
98 8.6 7.2 10.8





#30

Cyclohexane

Concen: 26.363 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW011886.D

Acq: 13 Aug 2019 10:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD02512

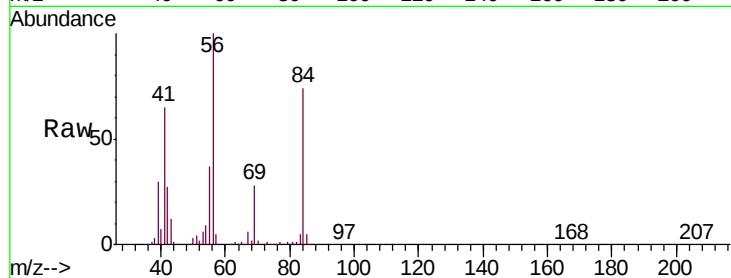
Tgt Ion: 56 Resp: 268492

Ion Ratio Lower Upper

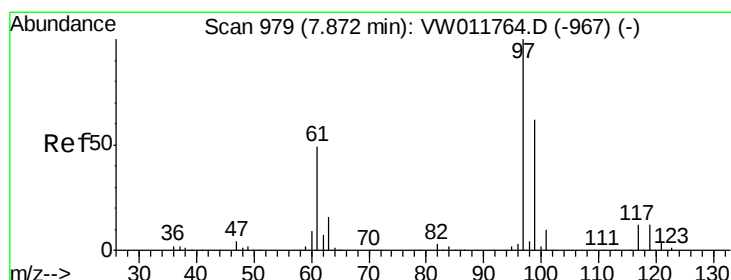
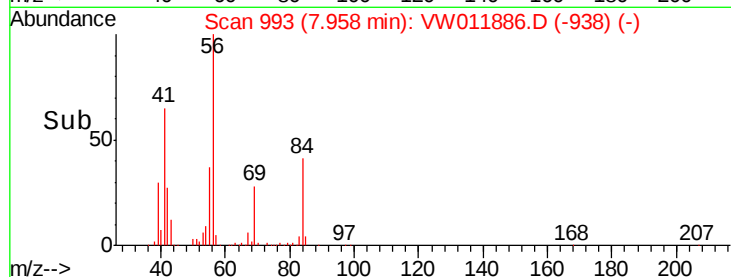
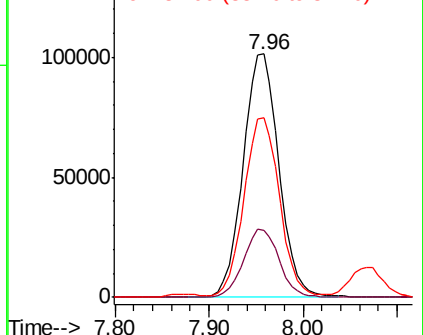
56 100

69 27.9 22.4 33.6

84 73.7 60.6 91.0



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



#31

1,1,1-Trichloroethane

Concen: 27.364 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW011886.D

Acq: 13 Aug 2019 10:35

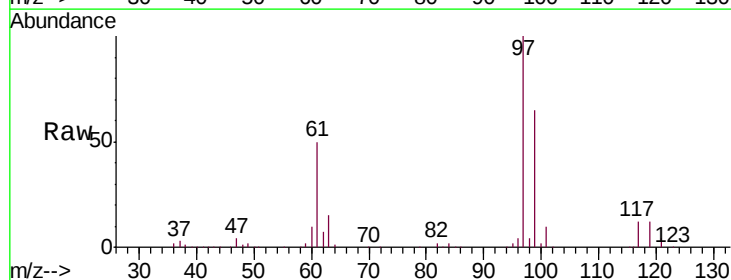
Tgt Ion: 97 Resp: 195353

Ion Ratio Lower Upper

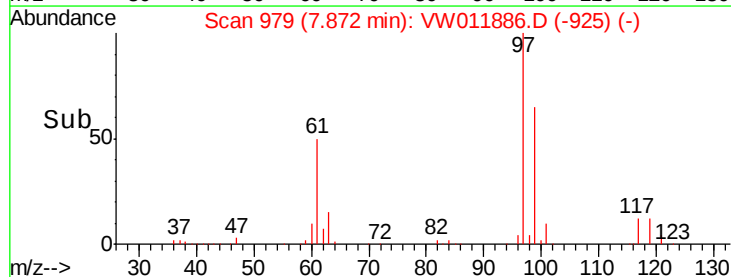
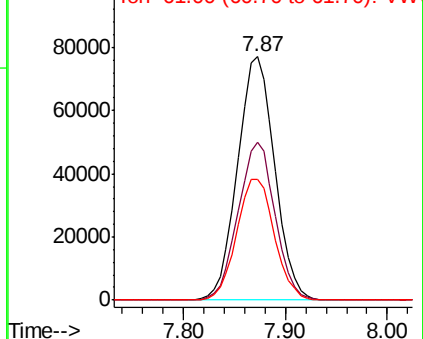
97 100

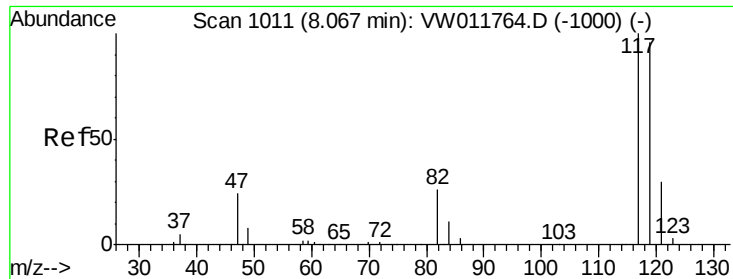
99 64.4 52.1 78.1

61 50.5 40.3 60.5



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





#32

Carbon tetrachloride

Concen: 27.188 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW011886.D

Acq: 13 Aug 2019 10:35

Instrument :

MSVOA_W

ClientSampleId :

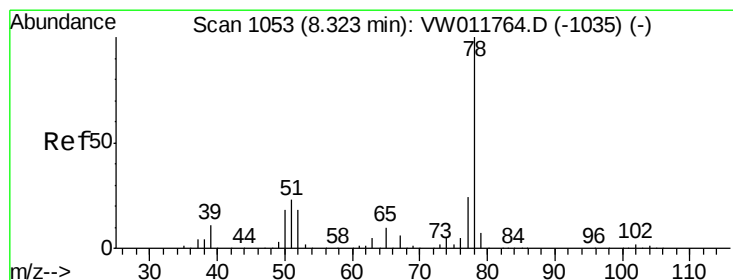
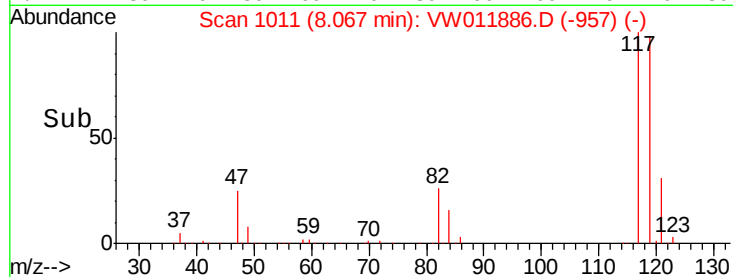
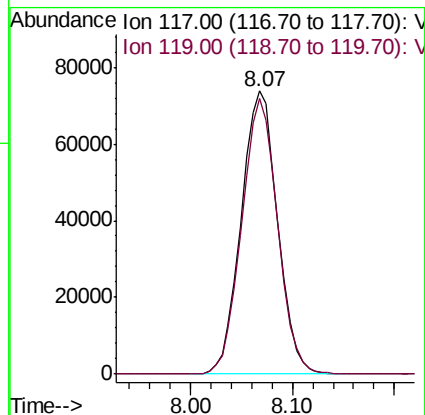
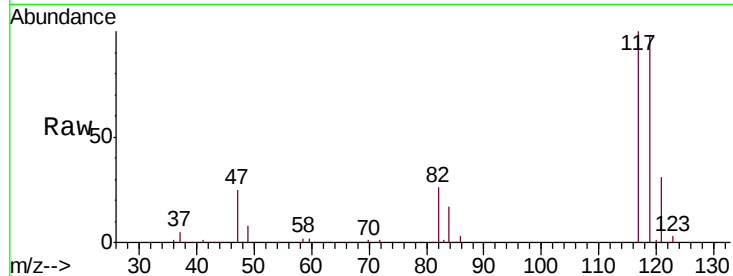
VSTD02512

Tgt Ion:117 Resp: 182601

Ion Ratio Lower Upper

117 100

119 95.9 76.2 114.4



#34

Benzene

Concen: 27.351 ug/L

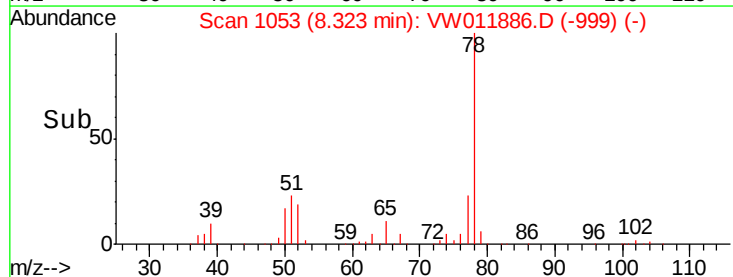
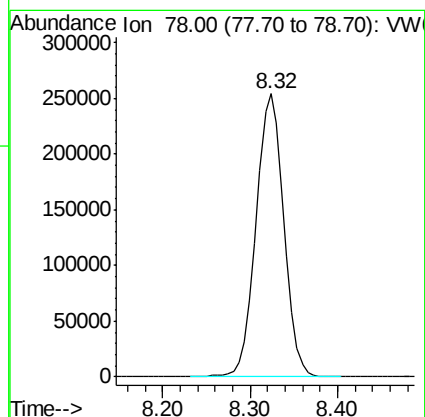
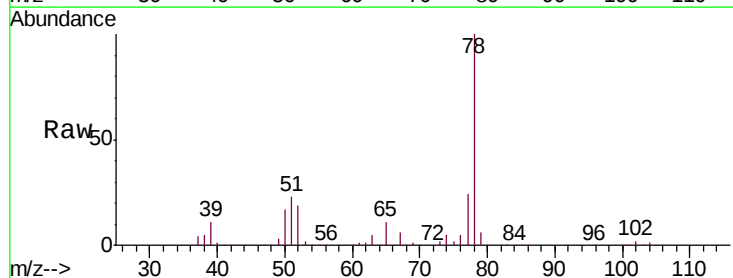
RT: 8.32 min Scan# 1053

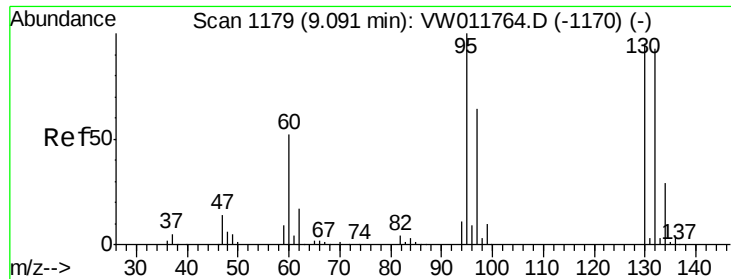
Delta R.T. 0.00 min

Lab File: VW011886.D

Acq: 13 Aug 2019 10:35

Tgt Ion: 78 Resp: 561558

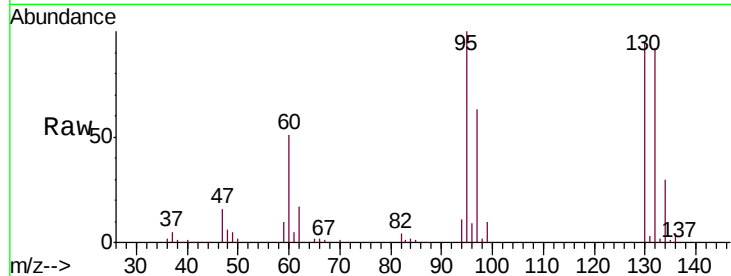




#35
 Trichloroethene
 Concen: 26.894 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW011886.D
 Acq: 13 Aug 2019 10:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02512

Tgt Ion:	95	Resp:	140180
Ion	Ratio	Lower	Upper
95	100		
97	63.4	44.8	83.2
132	92.0	65.0	120.6
130	94.4	68.0	126.4



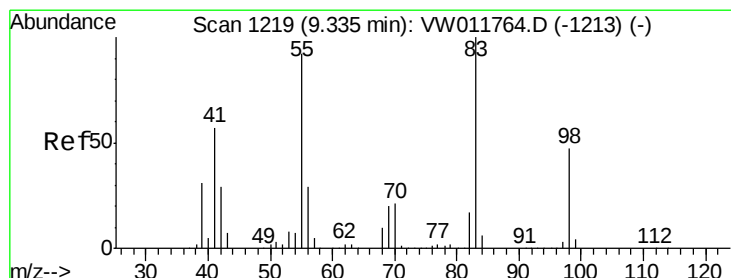
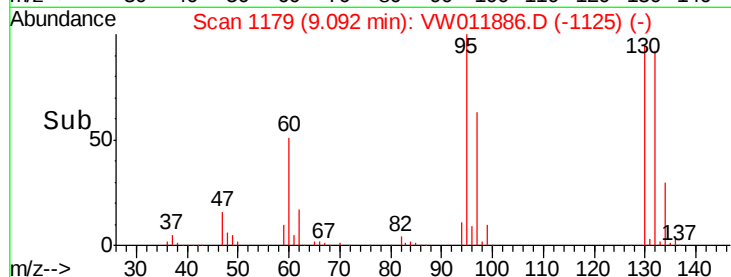
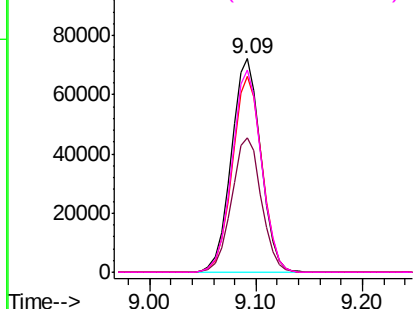
Abundance

Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

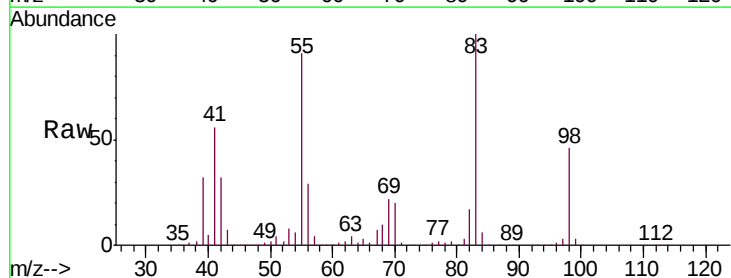
Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36
 Methylcyclohexane
 Concen: 26.560 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW011886.D
 Acq: 13 Aug 2019 10:35

Tgt Ion:	83	Resp:	251151
Ion	Ratio	Lower	Upper
83	100		
55	91.4	72.6	108.8
98	47.2	37.8	56.6

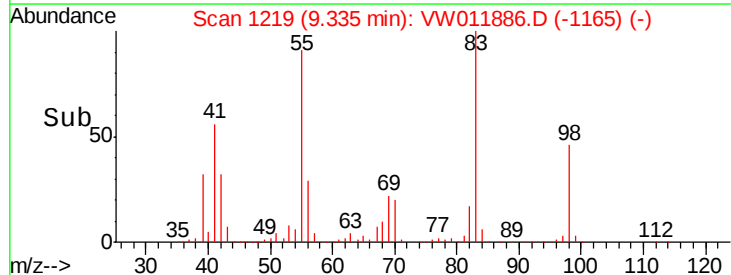
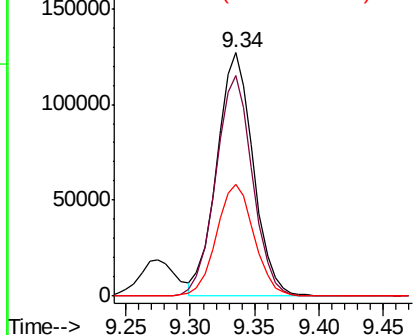


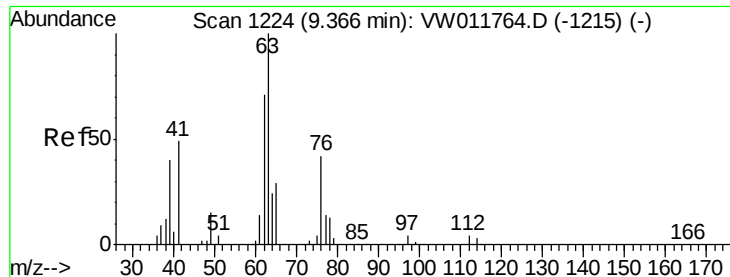
Abundance

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: 27.244 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW011886.D

Acq: 13 Aug 2019 10:35

Instrument :

MSVOA_W

ClientSampleId :

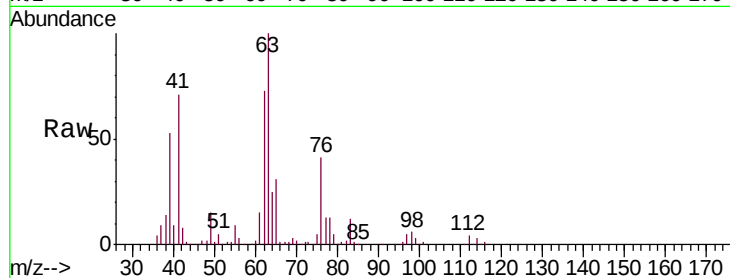
VSTD02512

Tgt Ion: 63 Resp: 149312

Ion Ratio Lower Upper

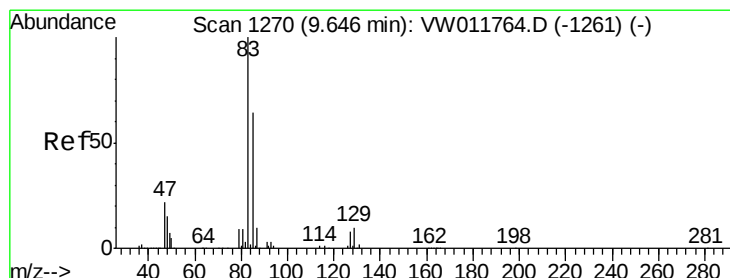
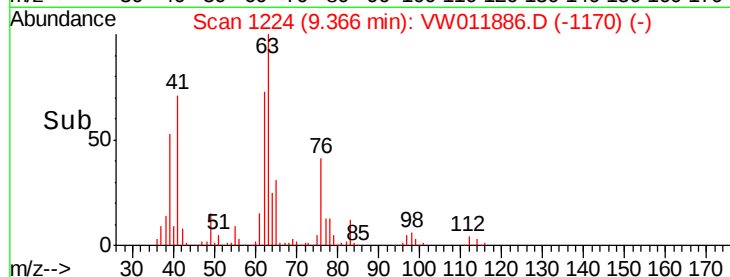
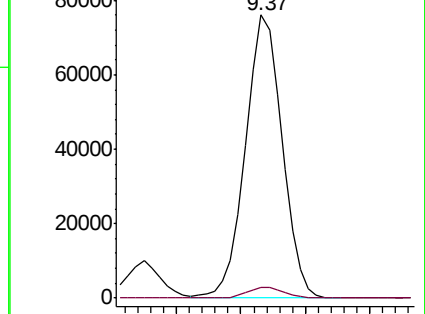
63 100

112 4.0 3.1 4.7



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 28.054 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW011886.D

Acq: 13 Aug 2019 10:35

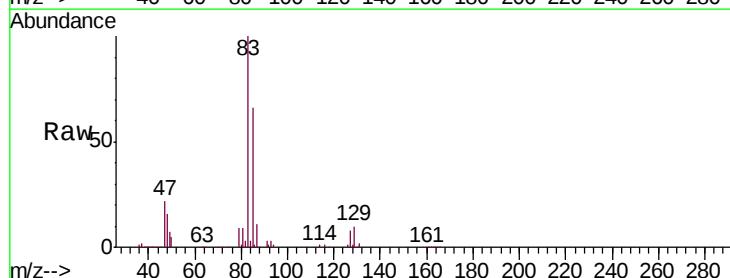
Tgt Ion: 83 Resp: 181434

Ion Ratio Lower Upper

83 100

85 66.3 44.0 81.6

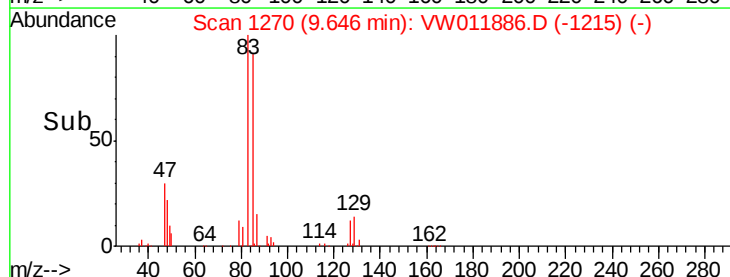
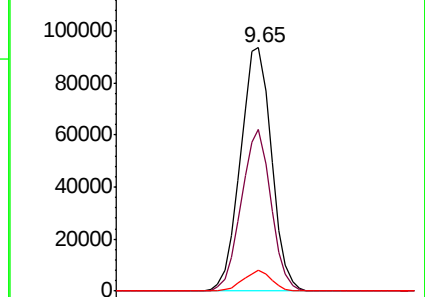
127 8.5 6.5 9.7

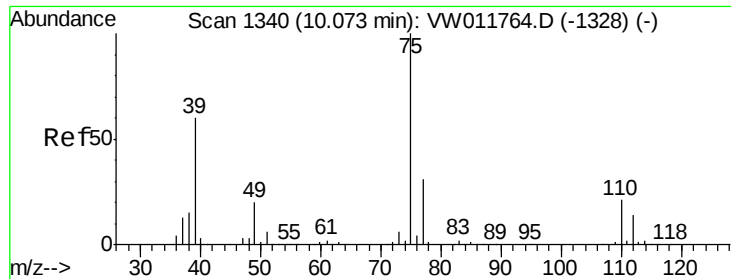


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V

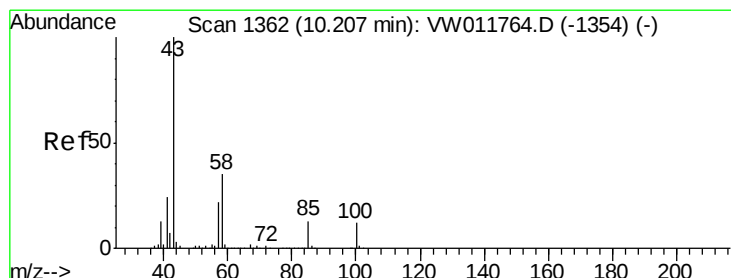
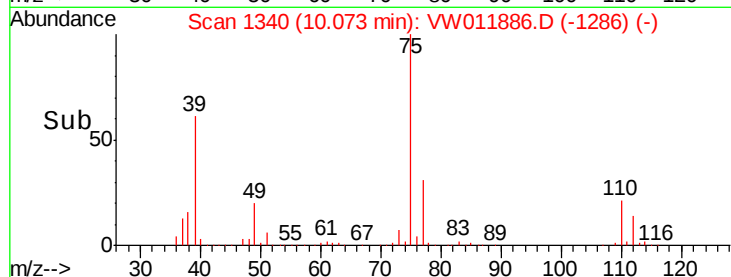
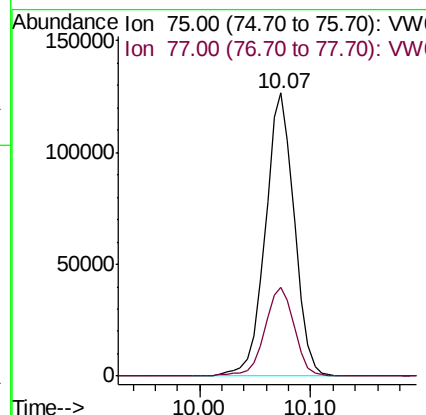
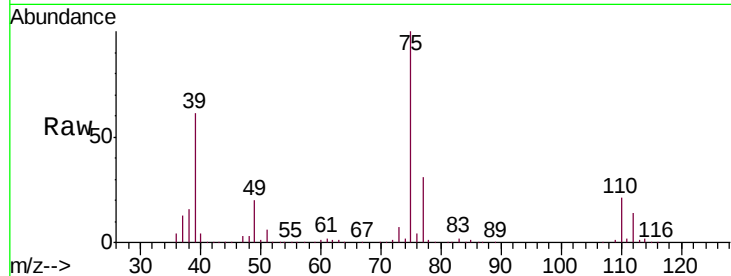




#42
 cis-1,3-Dichloropropene
 Concen: 28.025 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW011886.D
 Acq: 13 Aug 2019 10:35

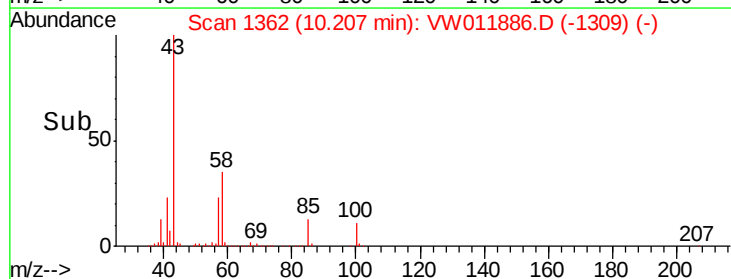
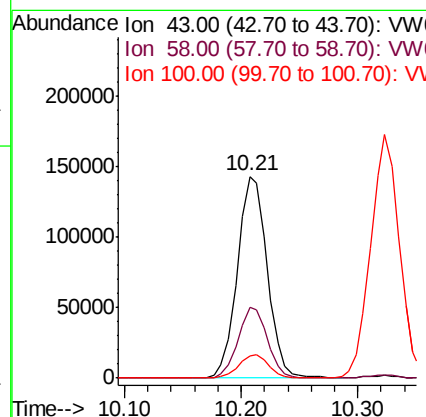
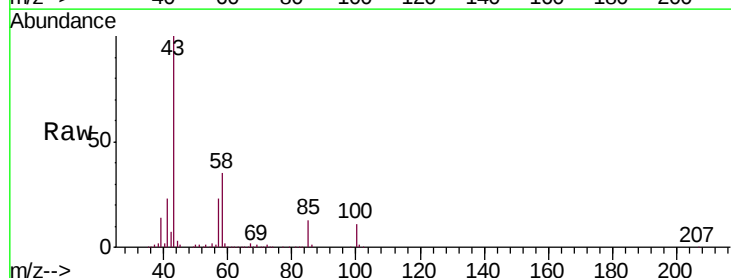
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02512

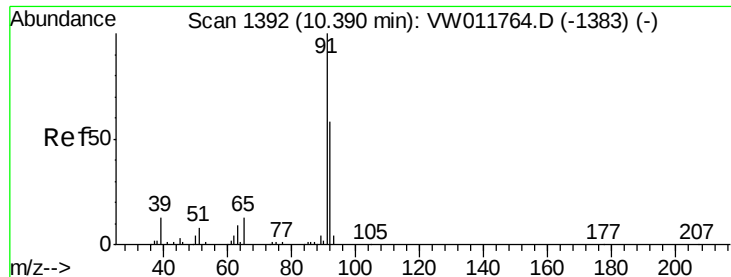
Tgt Ion: 75 Resp: 229739
 Ion Ratio Lower Upper
 75 100
 77 31.2 22.3 41.3



#43
 4-Methyl-2-pentanone
 Concen: 51.302 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.01 min
 Lab File: VW011886.D
 Acq: 13 Aug 2019 10:35

Tgt Ion: 43 Resp: 254746
 Ion Ratio Lower Upper
 43 100
 58 34.7 28.0 42.0
 100 11.6 9.4 14.2





#44

Toluene

Concen: 27.601 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW011886.D

Acq: 13 Aug 2019 10:35

Instrument :

MSVOA_W

ClientSampleId :

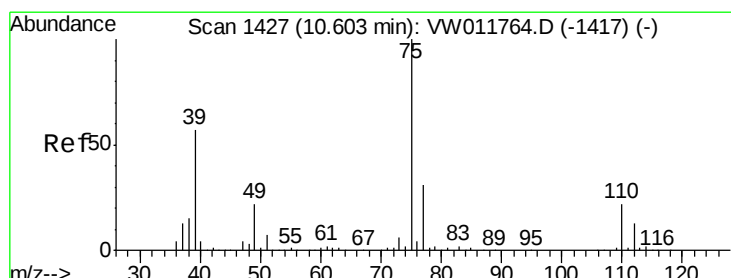
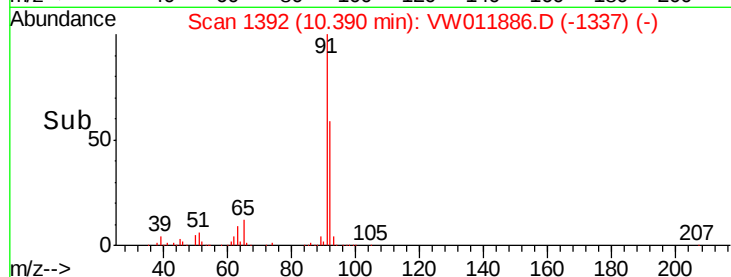
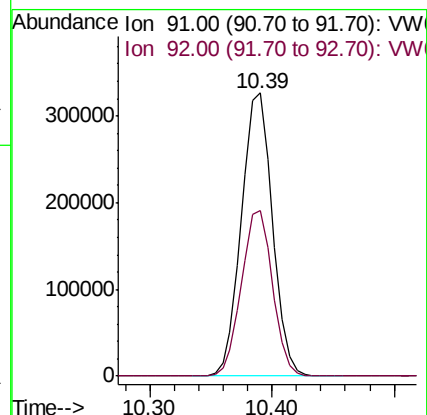
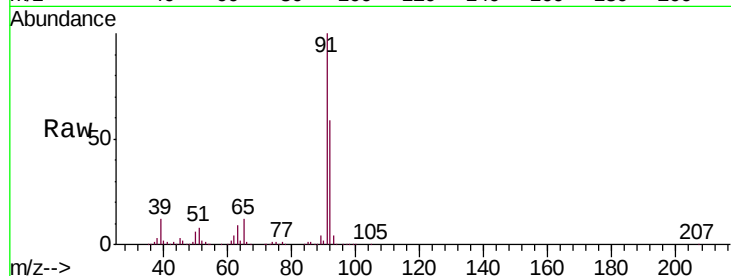
VSTD02512

Tgt Ion: 91 Resp: 575746

Ion Ratio Lower Upper

91 100

92 58.5 40.9 76.0



#45

trans-1,3-Dichloropropene

Concen: 27.780 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW011886.D

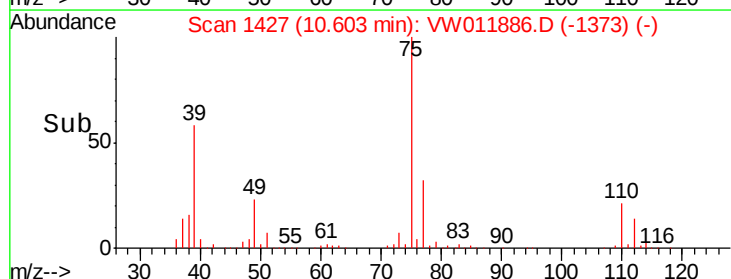
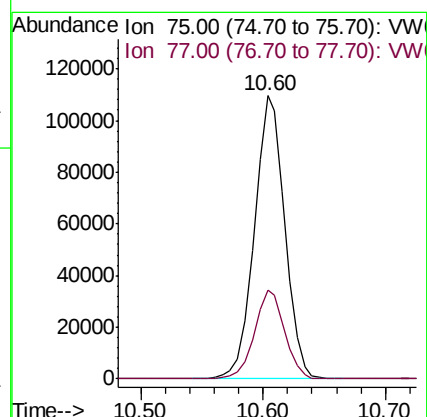
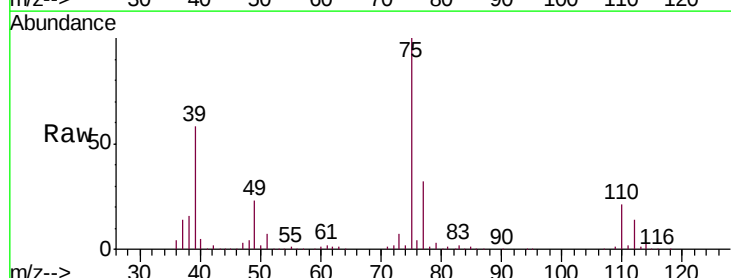
Acq: 13 Aug 2019 10:35

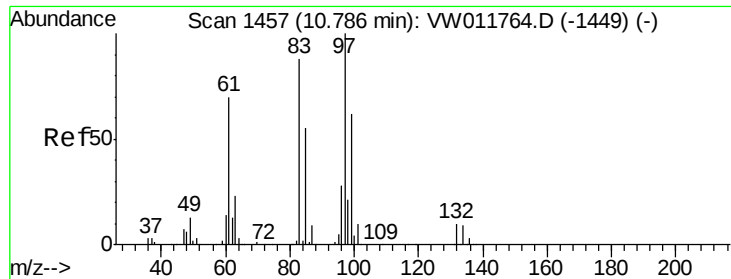
Tgt Ion: 75 Resp: 189474

Ion Ratio Lower Upper

75 100

77 31.6 21.6 40.0

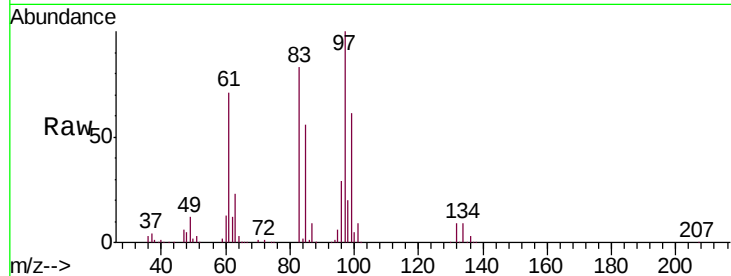




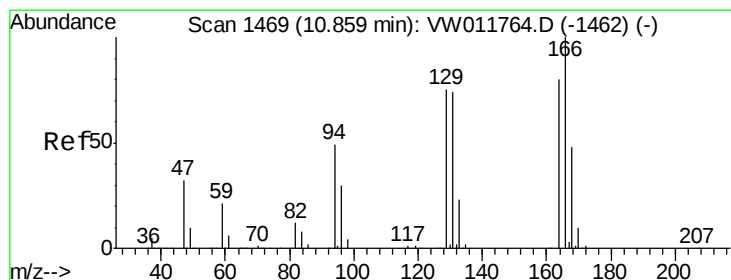
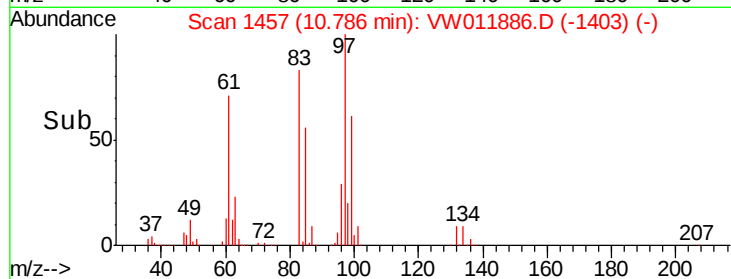
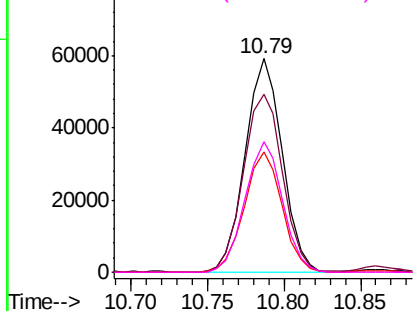
#46
 1,1,2-Trichloroethane
 Concen: 26.841 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW011886.D
 Acq: 13 Aug 2019 10:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02512

Tgt Ion: 97 Resp: 100293
 Ion Ratio Lower Upper
 97 100
 83 83.5 63.8 118.6
 85 56.3 39.3 72.9
 99 61.0 43.5 80.7



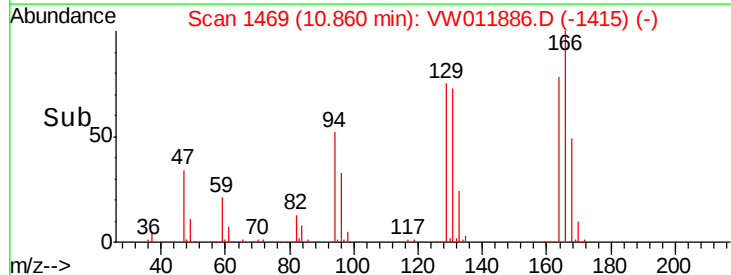
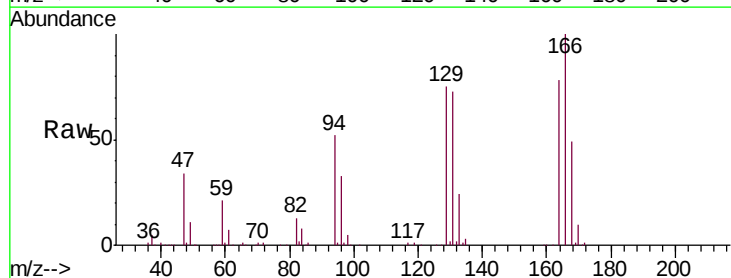
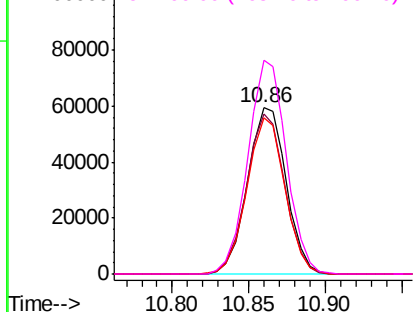
Abundance Ion 97.00 (96.70 to 97.70): VW
 Ion 83.00 (82.70 to 83.70): VW
 Ion 85.00 (84.70 to 85.70): VW
 Ion 99.00 (98.70 to 99.70): VW

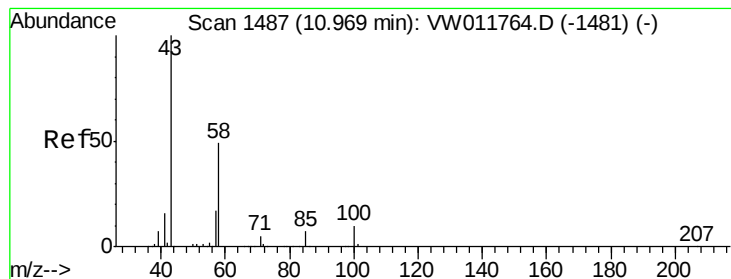


#47
 Tetrachloroethene
 Concen: 26.272 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VW011886.D
 Acq: 13 Aug 2019 10:35

Tgt Ion: 164 Resp: 104597
 Ion Ratio Lower Upper
 164 100
 129 96.6 64.0 119.0
 131 93.9 58.6 108.8
 166 128.7 91.7 170.3

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: 51.363 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW011886.D

Acq: 13 Aug 2019 10:35

Instrument :

MSVOA_W

ClientSampled :

VSTD02512

Tgt Ion: 43 Resp: 196501

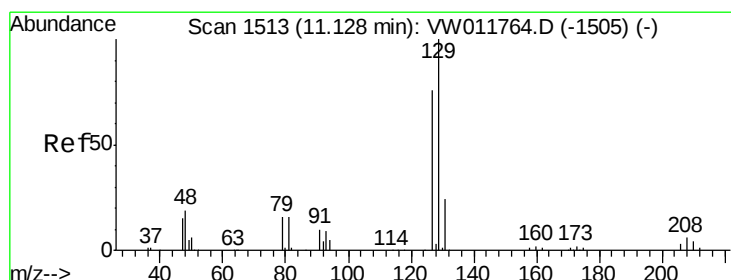
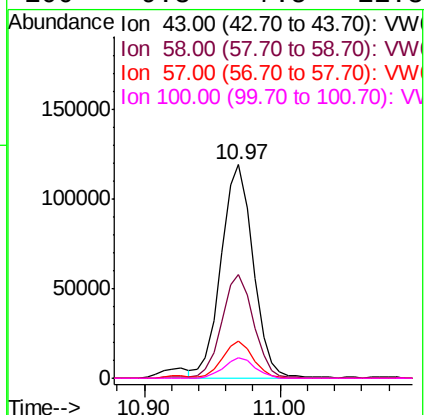
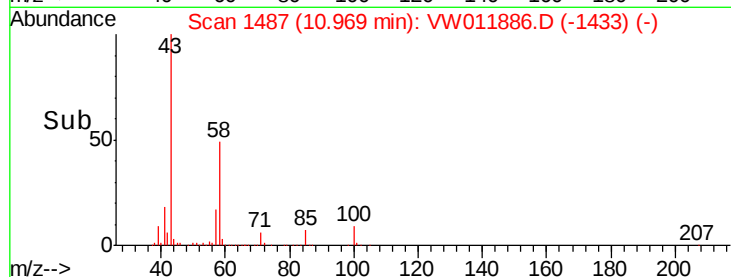
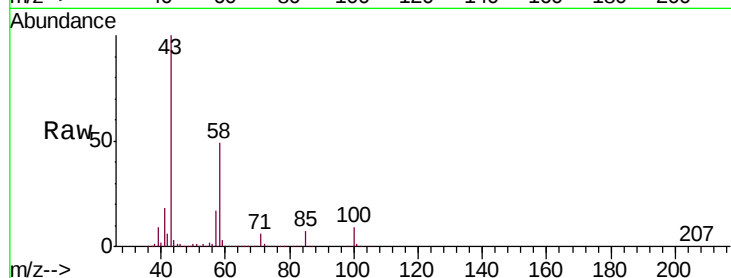
Ion Ratio Lower Upper

43 100

58 48.7 38.6 57.8

57 16.7 13.0 19.6

100 9.3 7.5 11.3



#50

Dibromochloromethane

Concen: 27.799 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW011886.D

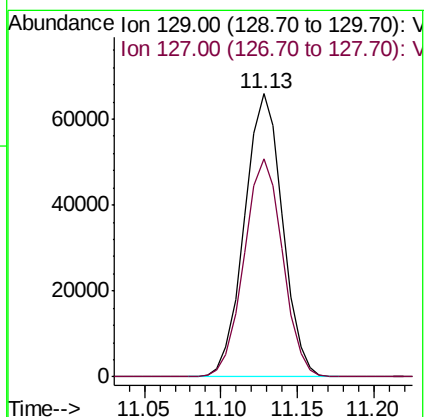
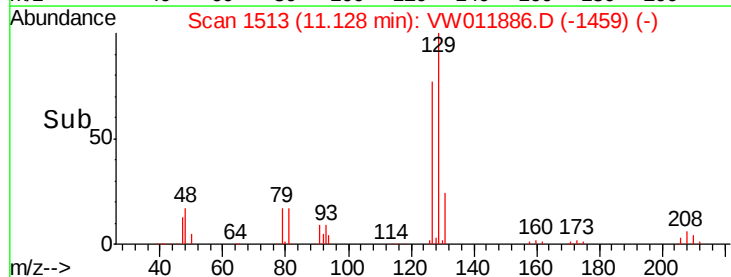
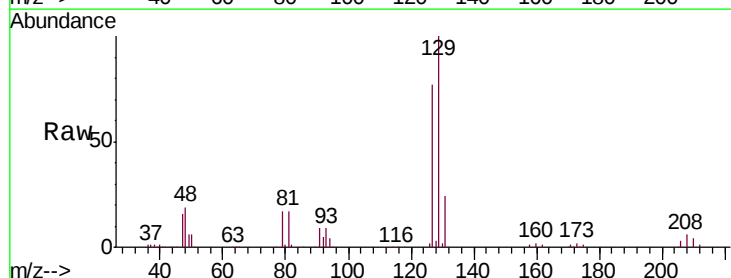
Acq: 13 Aug 2019 10:35

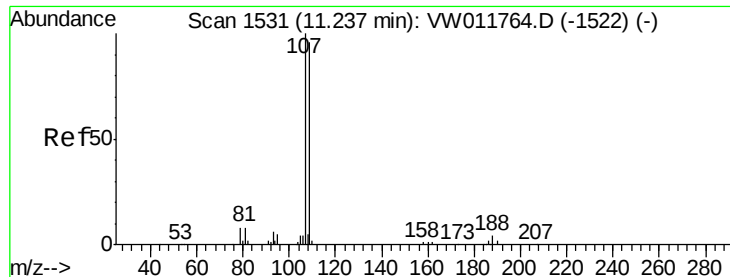
Tgt Ion: 129 Resp: 114491

Ion Ratio Lower Upper

129 100

127 77.2 52.6 97.6





#51

1,2-Dibromoethane

Concen: 26.298 ug/L

RT: 11.24 min Scan# 1531

Delta R.T. 0.01 min

Lab File: VW011886.D

Acq: 13 Aug 2019 10:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD02512

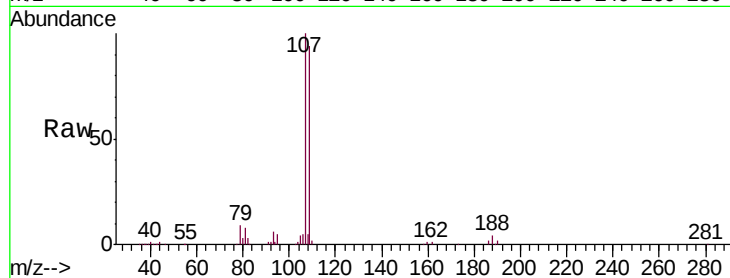
Tgt Ion:107 Resp: 95618

Ion Ratio Lower Upper

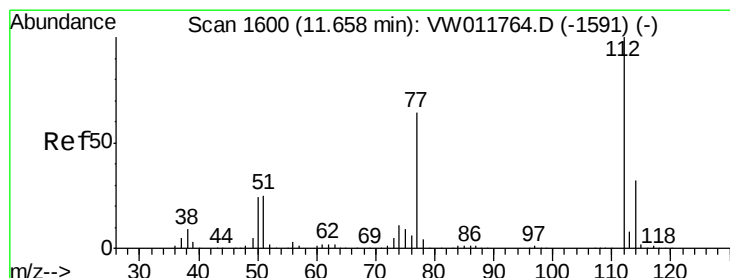
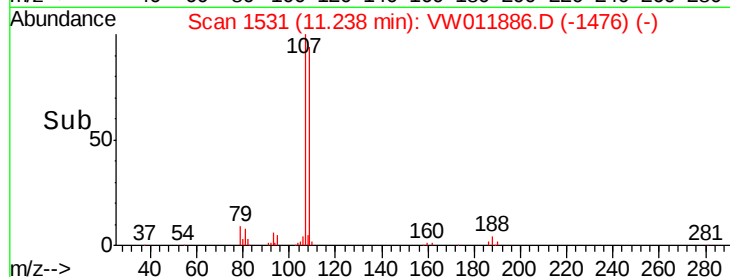
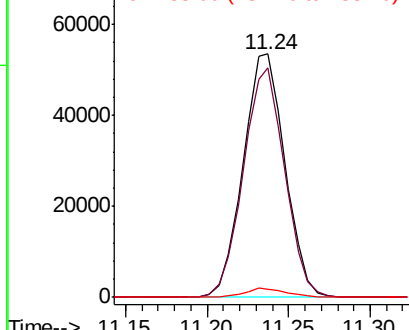
107 100

109 94.2 66.1 122.8

188 3.5 2.9 4.3



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: 27.170 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW011886.D

Acq: 13 Aug 2019 10:35

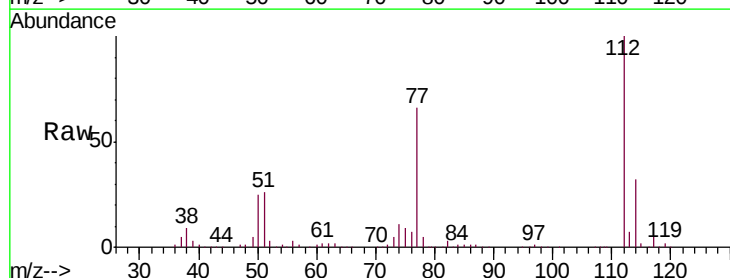
Tgt Ion:112 Resp: 341937

Ion Ratio Lower Upper

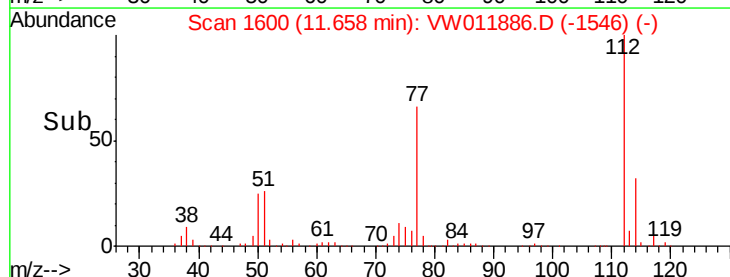
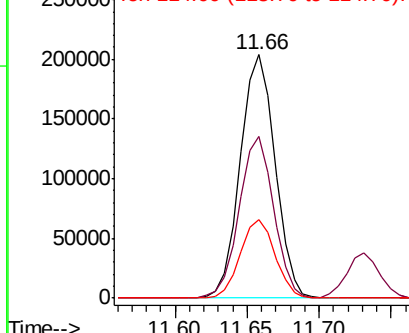
112 100

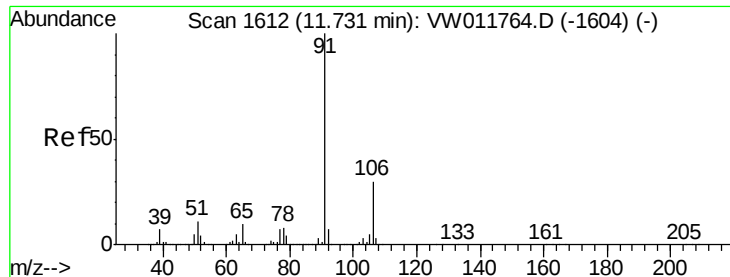
77 66.4 51.0 76.4

114 32.1 22.4 41.6



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: 27.689 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW011886.D

Acq: 13 Aug 2019 10:35

Instrument :

MSVOA_W

ClientSampleId :

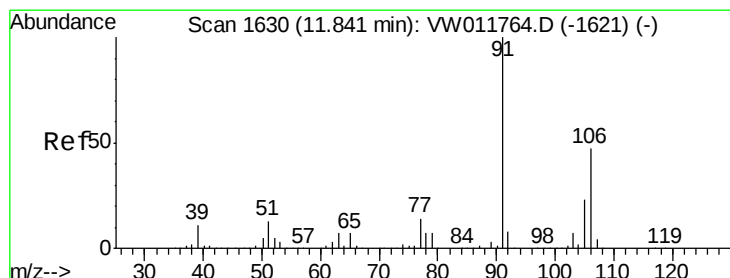
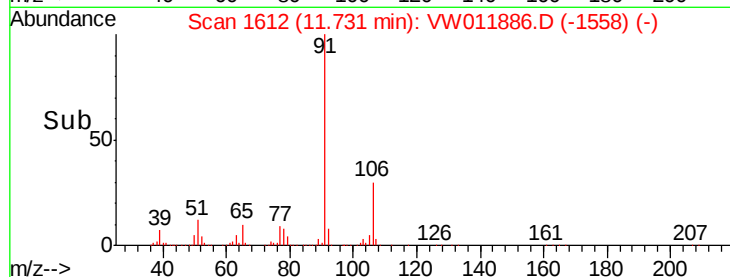
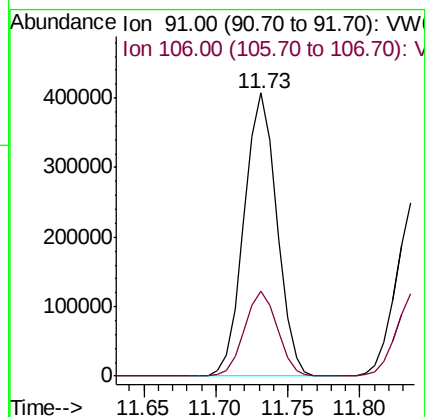
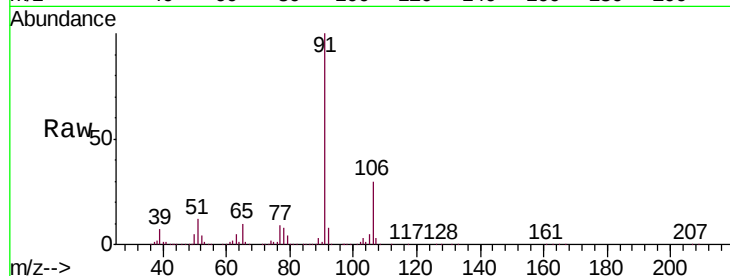
VSTD02512

Tgt Ion: 91 Resp: 644105

Ion Ratio Lower Upper

91 100

106 30.1 20.6 38.4



#54

m,p-Xylene

Concen: 27.787 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW011886.D

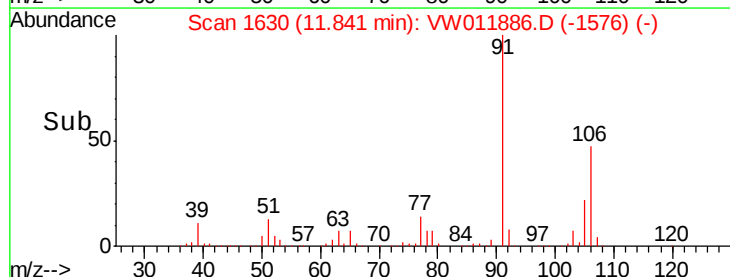
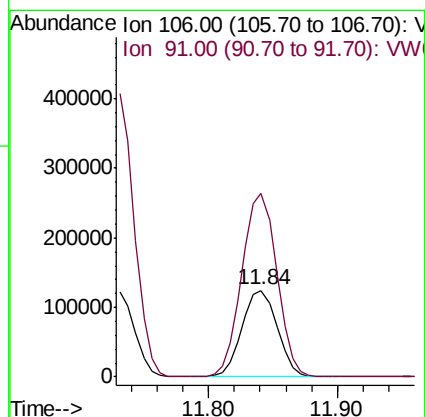
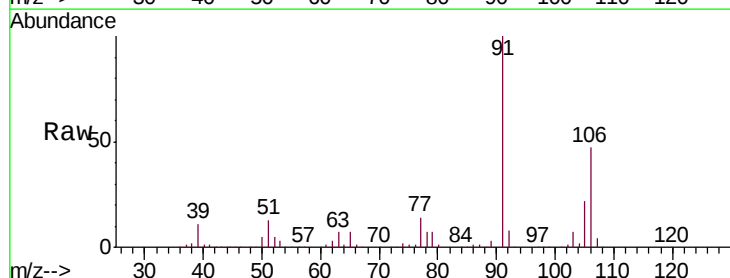
Acq: 13 Aug 2019 10:35

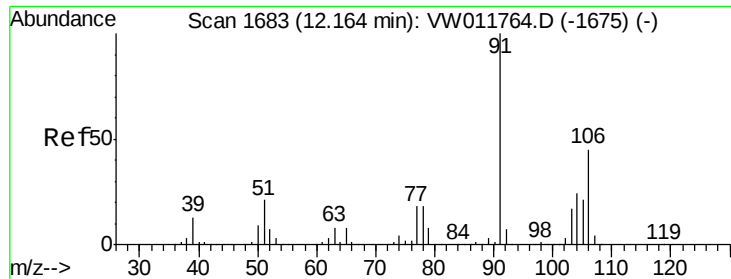
Tgt Ion: 106 Resp: 235041

Ion Ratio Lower Upper

106 100

91 211.9 149.6 277.8

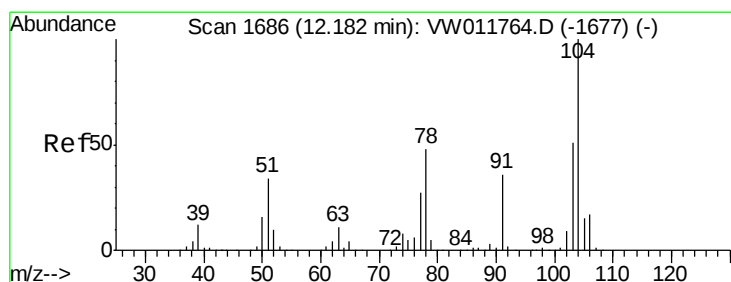
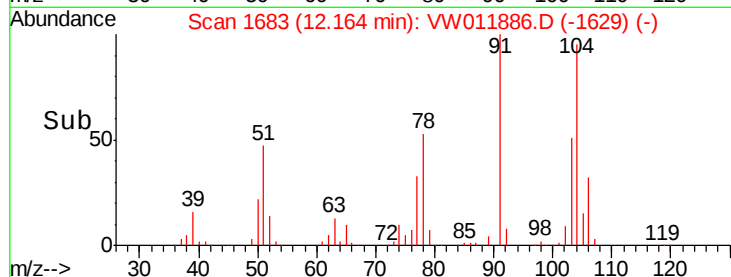
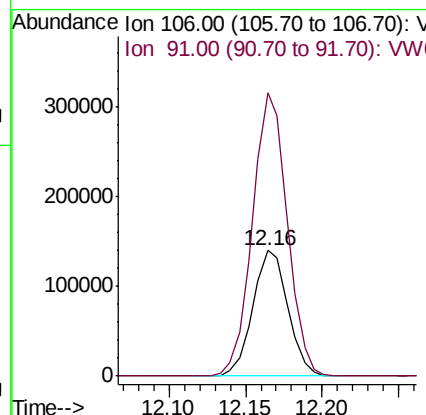
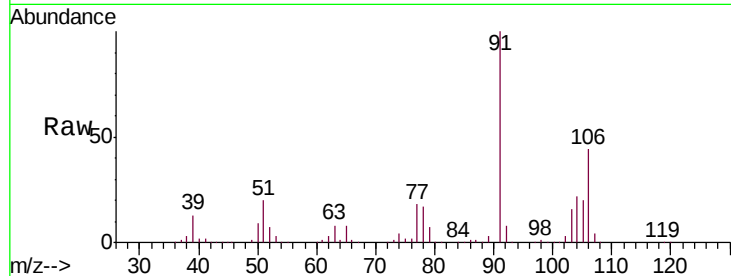




#55
o-xylene
Concen: 27.983 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011886.D
Acq: 13 Aug 2019 10:35

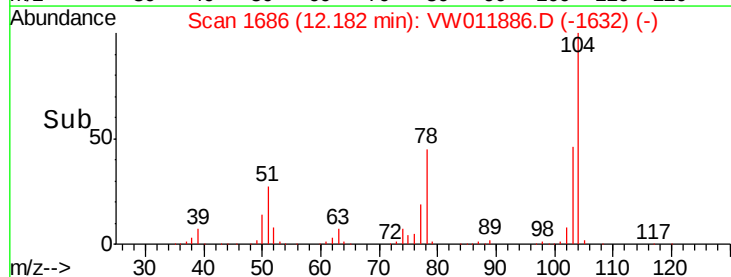
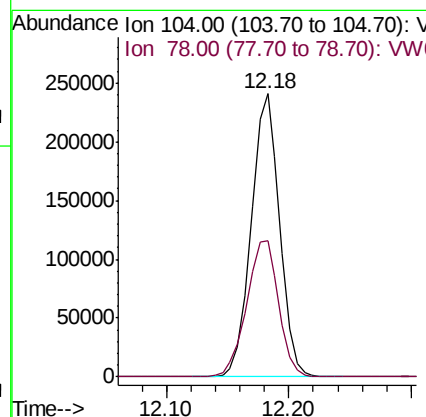
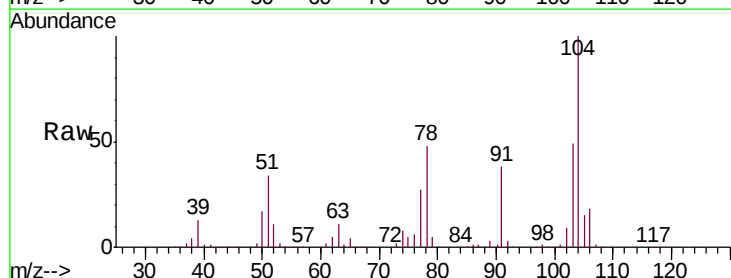
Instrument :
MSVOA_W
ClientSampleId :
VSTD02512

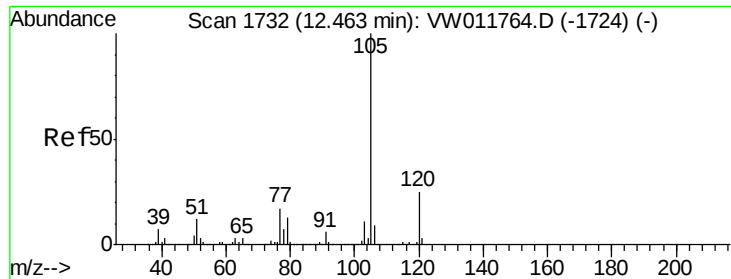
Tgt Ion:106 Resp: 222763
Ion Ratio Lower Upper
106 100
91 225.6 158.3 293.9



#56
Styrene
Concen: 28.648 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011886.D
Acq: 13 Aug 2019 10:35

Tgt Ion:104 Resp: 387730
Ion Ratio Lower Upper
104 100
78 48.0 32.9 61.1





#57

Isopropylbenzene

Concen: 28.076 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011886.D

Acq: 13 Aug 2019 10:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD02512

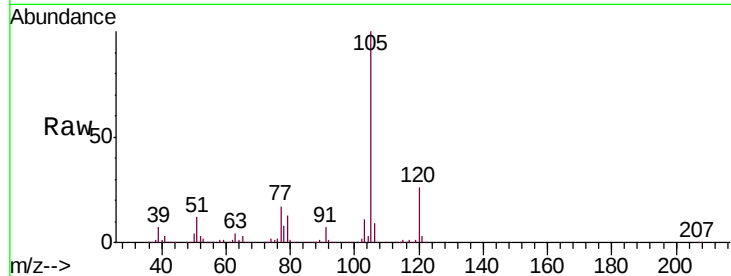
Tgt Ion: 105 Resp: 614881

Ion Ratio Lower Upper

105 100

120 25.7 20.6 30.8

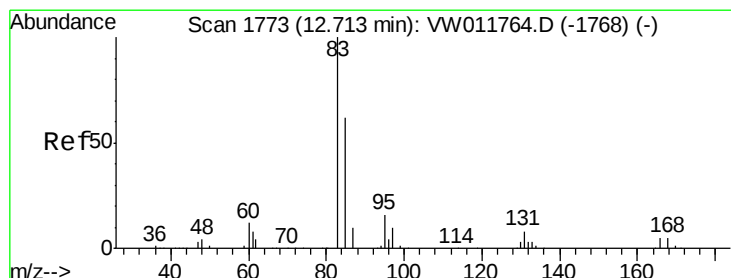
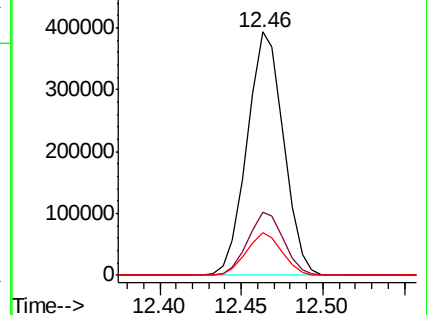
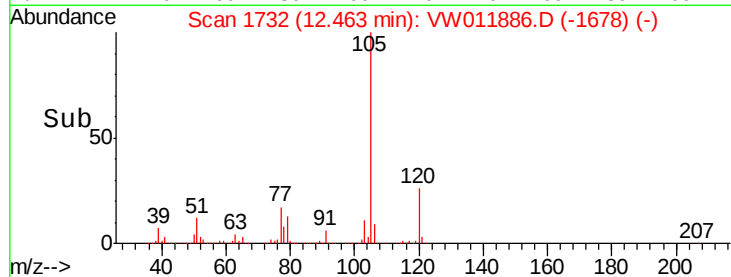
77 17.2 13.4 20.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 26.142 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011886.D

Acq: 13 Aug 2019 10:35

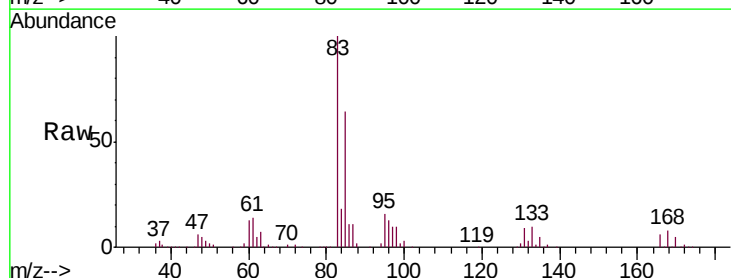
Tgt Ion: 83 Resp: 129806

Ion Ratio Lower Upper

83 100

85 64.5 43.5 80.9

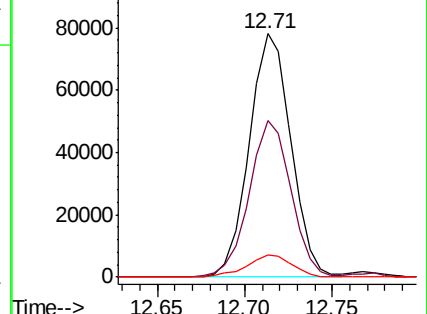
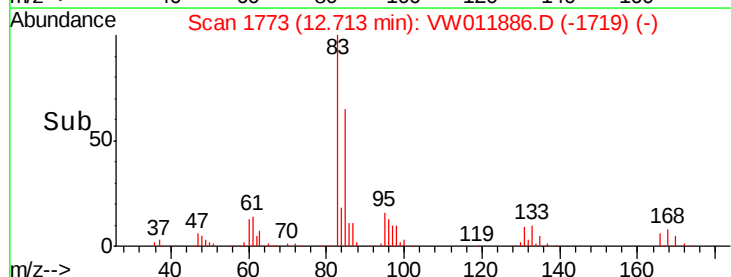
131 8.9 7.5 11.3

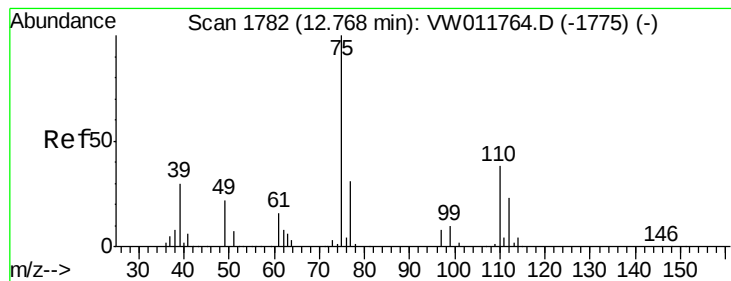


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 25.520 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW011886.D

Acq: 13 Aug 2019 10:35

Instrument :

MSVOA_W

ClientSampleId :

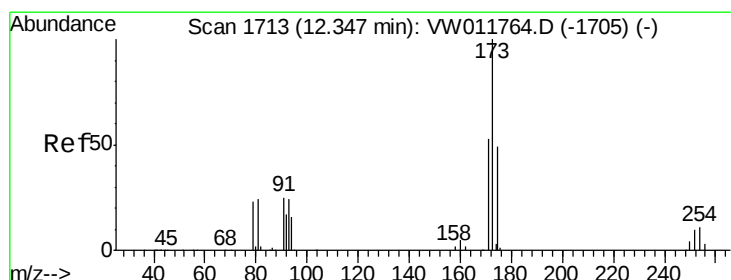
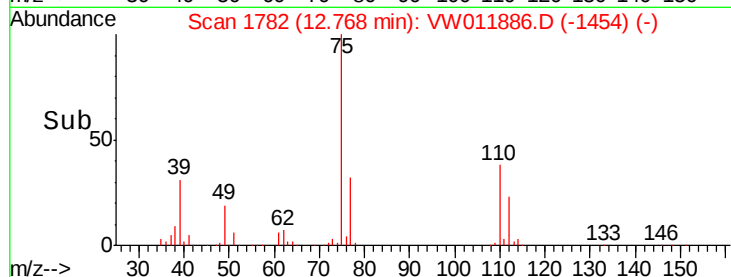
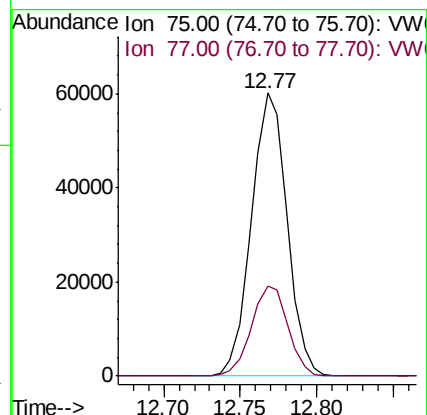
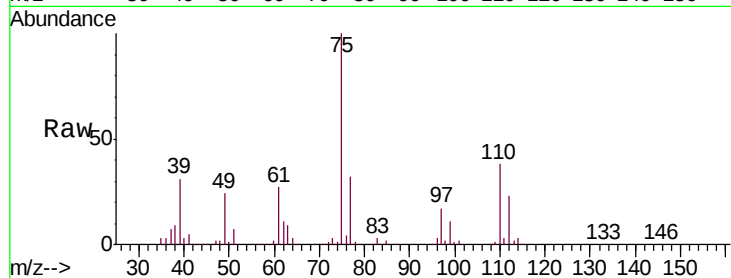
VSTD02512

Tgt Ion: 75 Resp: 97737

Ion Ratio Lower Upper

75 100

77 32.6 25.1 37.7



#62

Bromoform

Concen: 25.118 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW011886.D

Acq: 13 Aug 2019 10:35

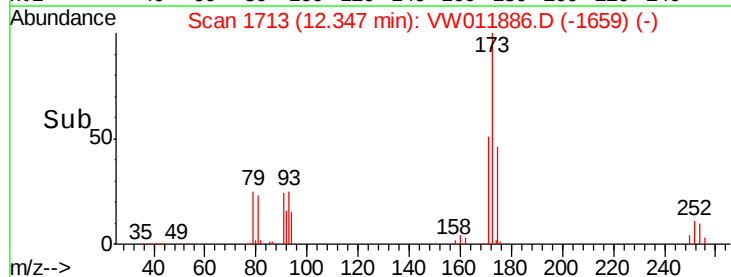
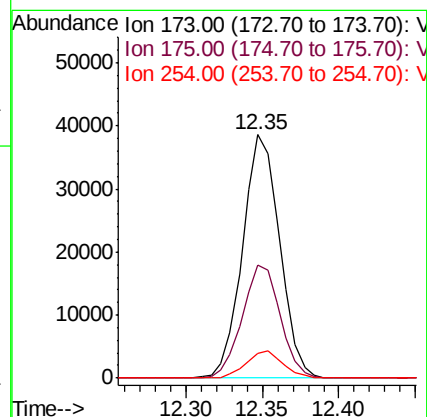
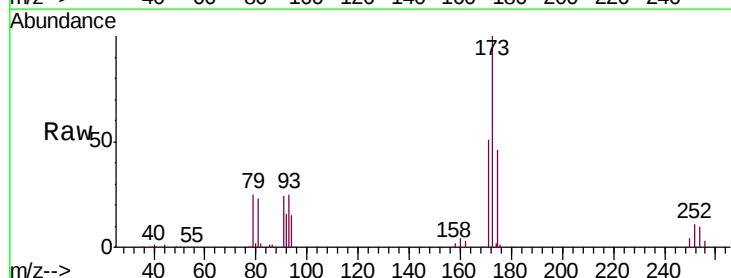
Tgt Ion: 173 Resp: 65054

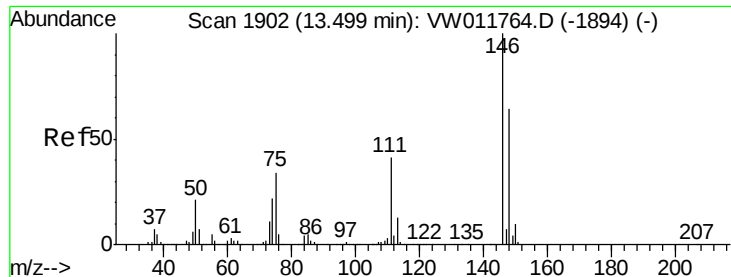
Ion Ratio Lower Upper

173 100

175 47.7 39.4 59.0

254 10.9 9.0 13.6

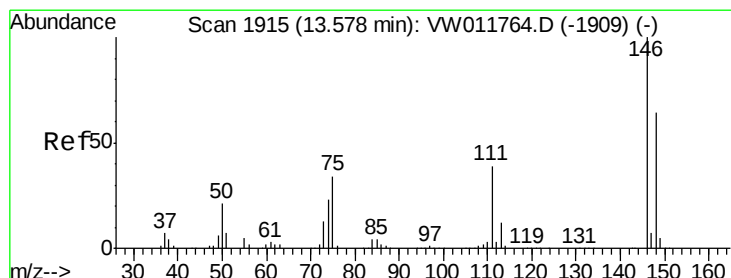
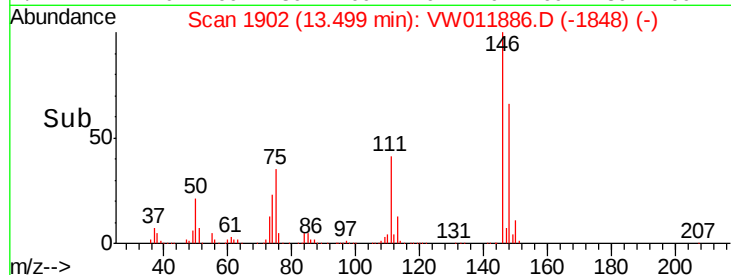
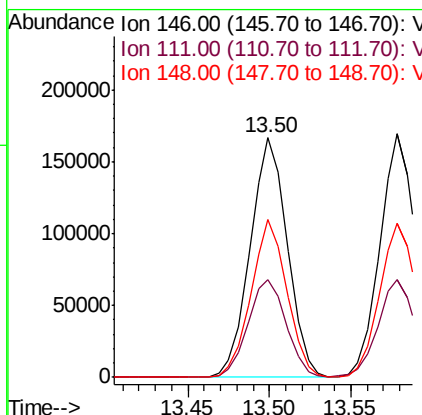
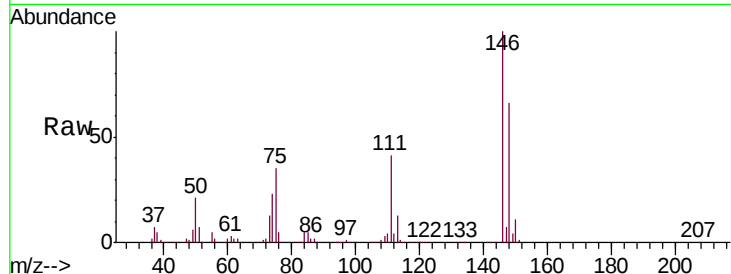




#63
 1,3-Dichlorobenzene
 Concen: 26.791 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011886.D
 Acq: 13 Aug 2019 10:35

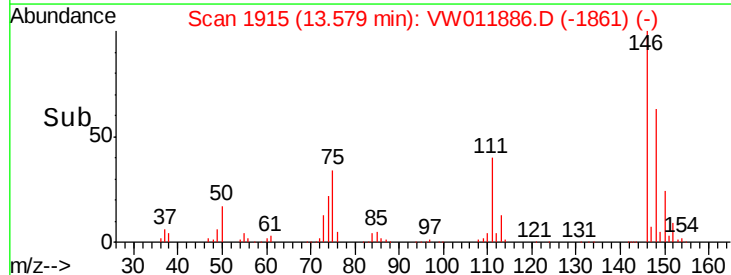
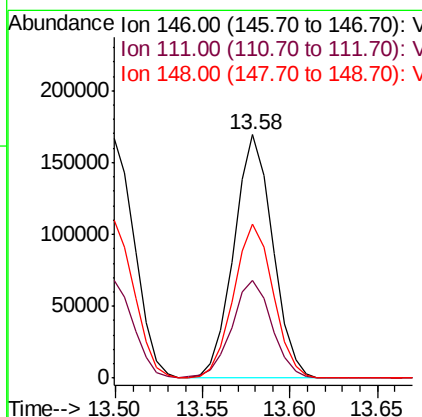
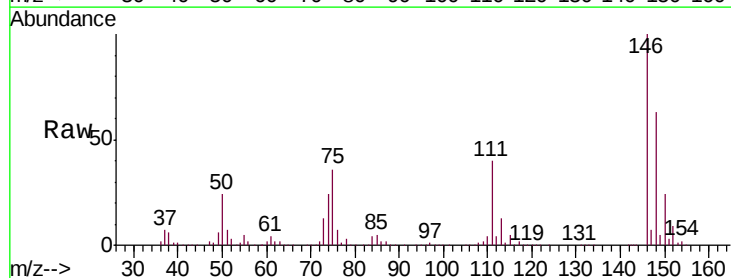
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02512

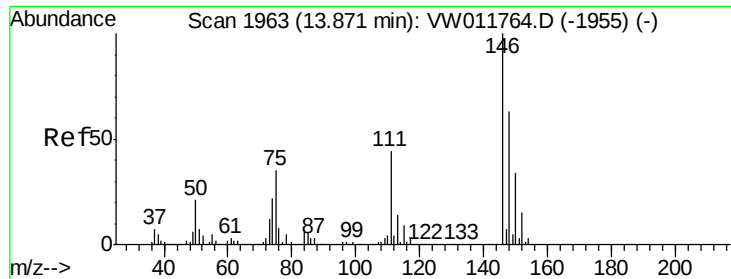
Tgt Ion:146 Resp: 263222
 Ion Ratio Lower Upper
 146 100
 111 40.9 28.6 53.2
 148 65.8 44.4 82.5



#64
 1,4-Dichlorobenzene
 Concen: 26.542 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW011886.D
 Acq: 13 Aug 2019 10:35

Tgt Ion:146 Resp: 261877
 Ion Ratio Lower Upper
 146 100
 111 40.3 27.4 51.0
 148 63.4 44.4 82.5

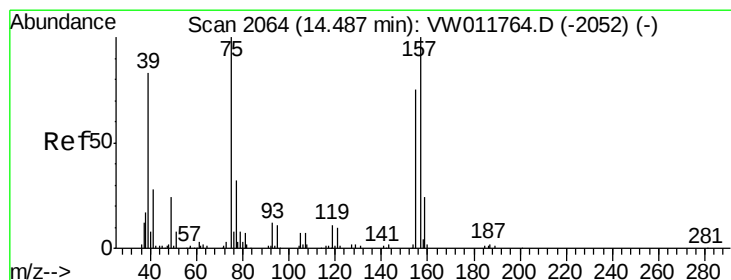
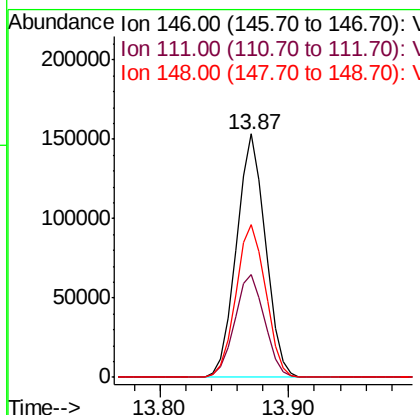
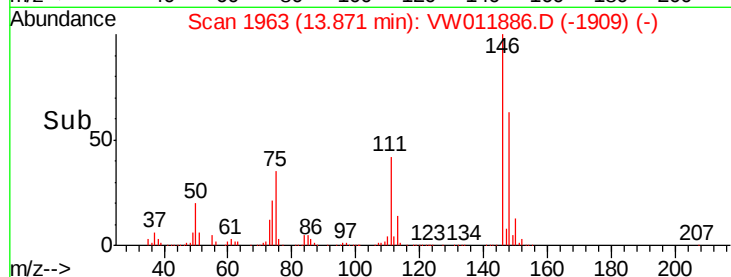
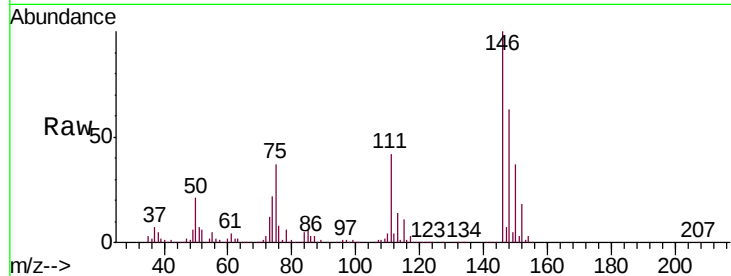




#65
 1,2-Dichlorobenzene
 Concen: 26.876 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011886.D
 Acq: 13 Aug 2019 10:35

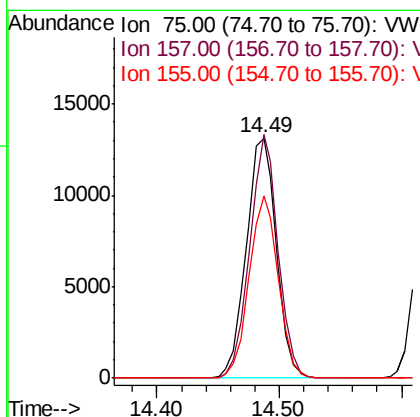
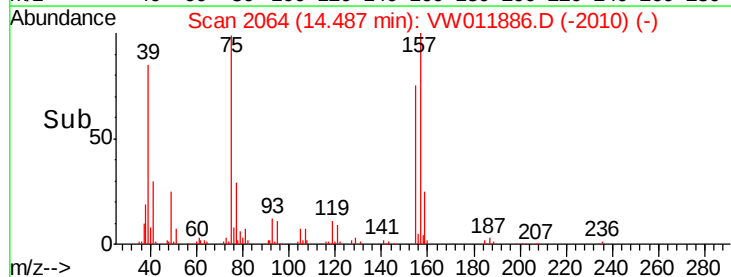
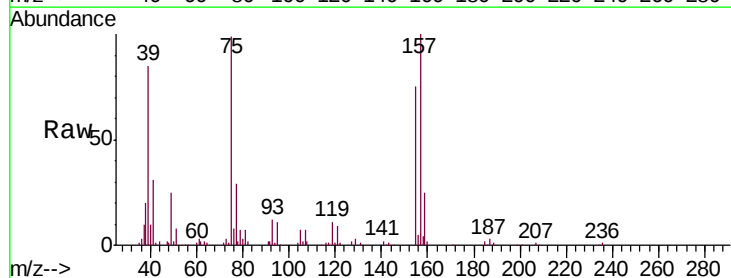
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02512

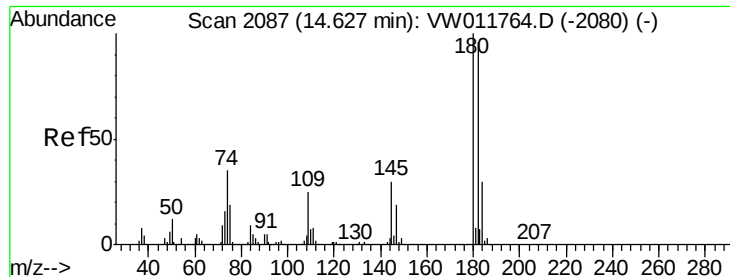
Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.1	34.6	51.8
148	62.8	50.9	76.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 24.412 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW011886.D
 Acq: 13 Aug 2019 10:35

Tgt Ion	Ratio	Lower	Upper
75	100		
157	101.4	79.3	118.9
155	76.0	59.9	89.9





#67

1,3,5-Trichlorobenzene

Concen: 27.527 ug/L

RT: 14.63 min Scan# 2087

Delta R.T. 0.00 min

Lab File: VW011886.D

Acq: 13 Aug 2019 10:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD02512

Tgt Ion:180 Resp: 199066

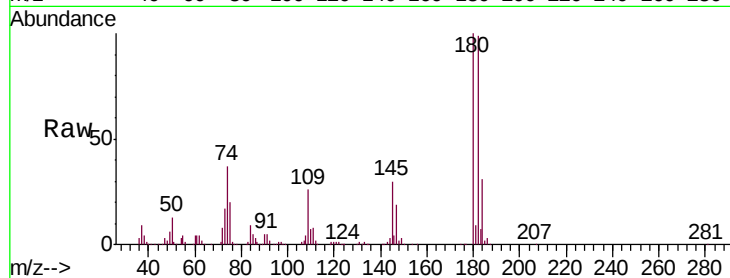
Ion Ratio Lower Upper

180 100

182 96.1 75.9 113.9

184 30.1 24.2 36.2

145 29.9 23.0 34.6

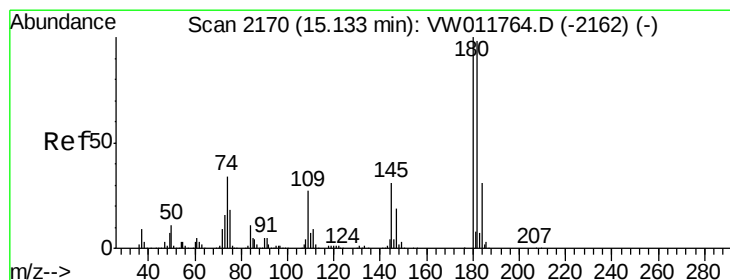
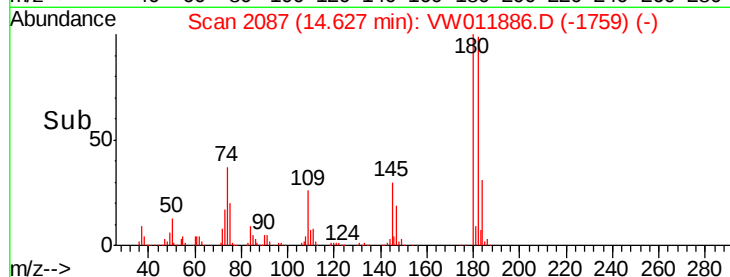
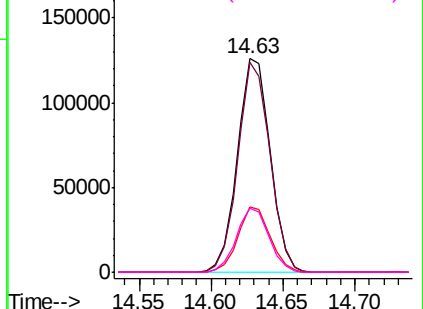


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68

1,2,4-trichlorobenzene

Concen: 28.318 ug/L

RT: 15.13 min Scan# 2170

Delta R.T. 0.00 min

Lab File: VW011886.D

Acq: 13 Aug 2019 10:35

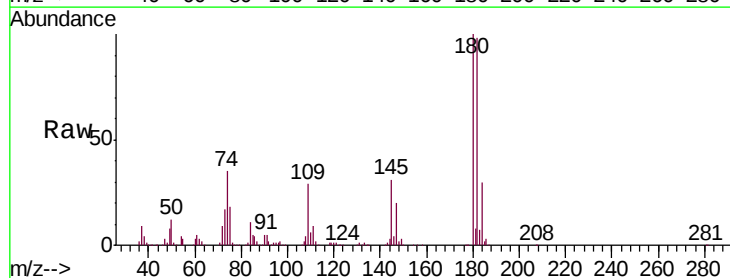
Tgt Ion:180 Resp: 164926

Ion Ratio Lower Upper

180 100

182 96.1 77.3 115.9

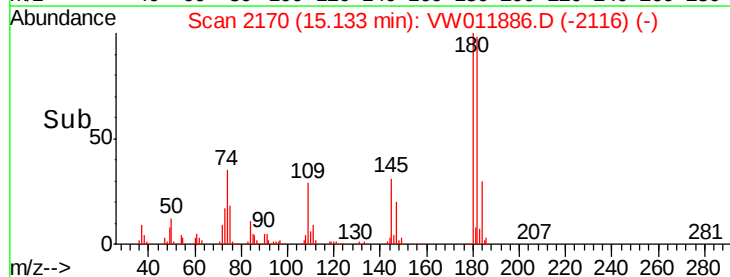
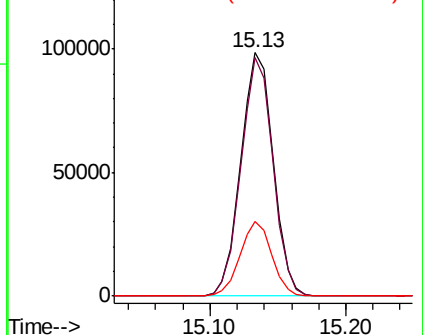
145 29.8 24.3 36.5

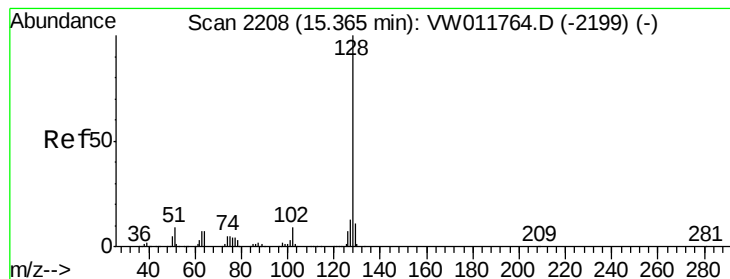


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 26.878 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011886.D

Acq: 13 Aug 2019 10:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD02512

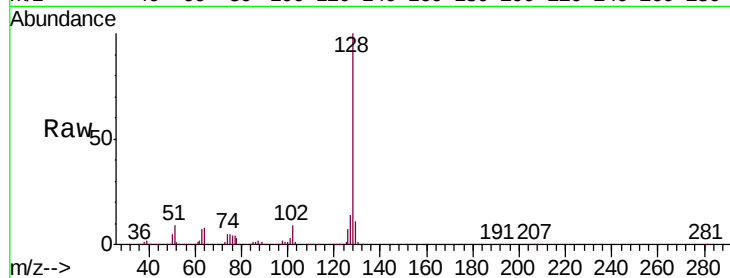
Tgt Ion:128 Resp: 315234

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

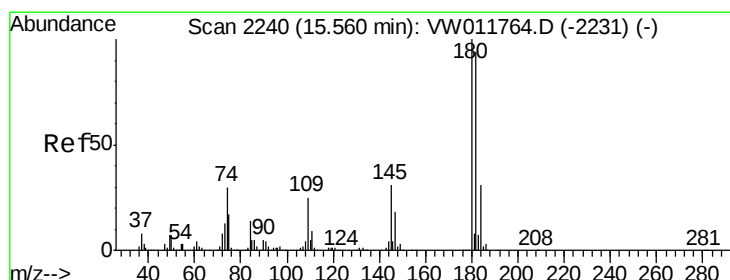
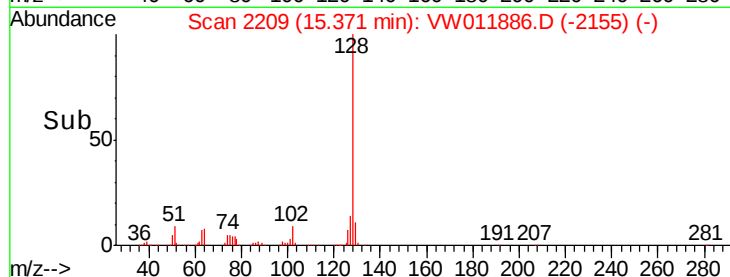
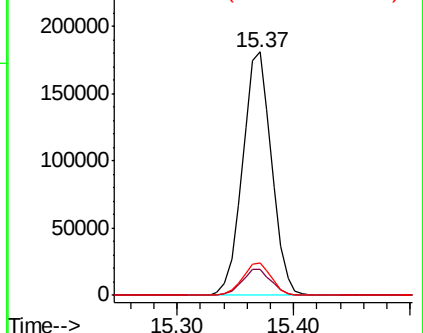
127 13.4 10.6 16.0



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: 27.785 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW011886.D

Acq: 13 Aug 2019 10:35

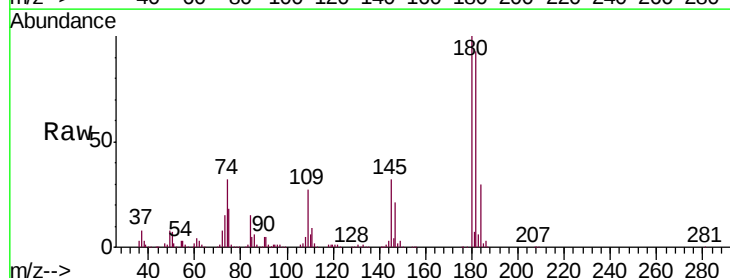
Tgt Ion:180 Resp: 149871

Ion Ratio Lower Upper

180 100

182 94.2 74.9 112.3

145 31.7 25.6 38.4



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

