

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080519\
 Data File : VW011701.D
 Acq On : 05 Aug 2019 09:56
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02507

Quant Time: Aug 06 04:36:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Aug 03 02:22:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	404110	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	357706	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	174129	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	117756	20.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.76%
7) Chloroethane-d5	2.89	69	91097	22.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.92%
10) 1,1-Dichloroethene-d2	4.02	63	297852	22.83	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	91.32%
20) 2-Butanone-d5	7.07	46	114036	44.51	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.02%
24) Chloroform-d	7.65	84	253419	22.83	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.32%
26) 1,2-Dichloroethane-d4	8.31	65	150626	22.93	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.72%
29) Benzene-d6	8.27	84	503912	22.40	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.60%
33) 1,2-Dichloropropane-d6	9.27	67	164673	22.68	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	90.72%
37) Toluene-d8	10.32	98	445207	22.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.20%
38) trans-1,3-Dichloropropene-	10.58	79	71133	22.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.40%
39) 2-Hexanone-d5	10.93	63	76411	45.05	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.10%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	136767	22.68	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.72%
61) 1,2-Dichlorobenzene-d4	13.85	152	149160	22.23	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	88.92%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	121329	26.789	ug/L 98
3) Chloromethane	2.21	50	138574	23.523	ug/L 99
5) Vinyl chloride	2.36	62	185955	24.741	ug/L 99
6) Bromomethane	2.78	94	86822	24.502	ug/L 100
8) Chloroethane	2.92	64	99643	25.348	ug/L 97
9) Trichlorofluoromethane	3.26	101	104527	27.300	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	149621	25.776	ug/L 95
12) 1,1-Dichloroethene	4.04	96	144099	24.827	ug/L 92
13) Acetone	4.12	43	127852	46.591	ug/L 96
14) Carbon disulfide	4.38	76	459846	24.326	ug/L 99
15) Methyl Acetate	4.67	43	106947	23.836	ug/L 100
16) Methylene chloride	4.92	84	154918	24.565	ug/L 98
17) Methyl tert-butyl Ether	5.42	73	248562	25.717	ug/L 100
18) trans-1,2-Dichloroethene	5.42	96	149830	24.986	ug/L 98
19) 1,1-Dichloroethane	6.21	63	304536	25.422	ug/L 99
21) 2-Butanone	7.17	43	168203	48.889	ug/L 100
22) cis-1,2-Dichloroethene	7.17	96	161346	25.718	ug/L 99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080519\
 Data File : VW011701.D
 Acq On : 05 Aug 2019 09:56
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02507

Quant Time: Aug 06 04:36:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Aug 03 02:22:50 2019
 Response via : Initial Calibration

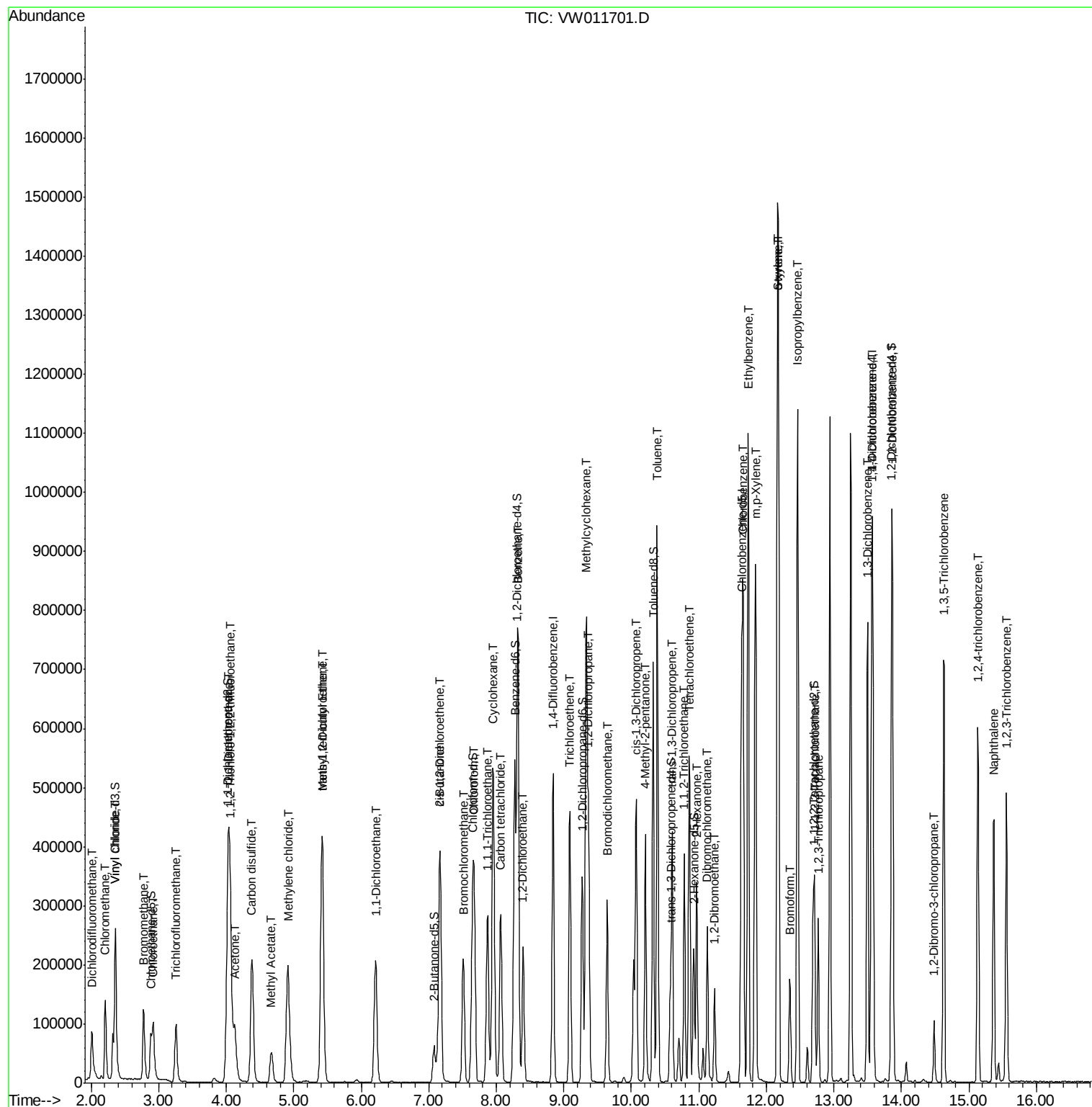
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	67598	25.324	ug/L	95
25) Chloroform	7.67	83	283121	25.642	ug/L	100
27) 1,2-Dichloroethane	8.40	62	209314	25.608	ug/L	98
30) Cyclohexane	7.95	56	317659	25.547	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	226905	26.033	ug/L	98
32) Carbon tetrachloride	8.07	117	212759	25.947	ug/L	100
34) Benzene	8.32	78	639803	25.524	ug/L	100
35) Trichloroethene	9.09	95	160917	25.287	ug/L	100
36) Methylcyclohexane	9.34	83	293705	25.441	ug/L	99
40) 1,2-Dichloropropane	9.37	63	170649	25.504	ug/L	100
41) Bromodichloromethane	9.65	83	203904	25.824	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	263114	26.290	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	299838	49.458	ug/L	100
44) Toluene	10.38	91	657428	25.815	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	214961	25.815	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	116090	25.448	ug/L	98
47) Tetrachloroethene	10.86	164	122853	25.275	ug/L	97
49) 2-Hexanone	10.97	43	230970	49.450	ug/L	100
50) Dibromochloromethane	11.13	129	131632	26.178	ug/L	95
51) 1,2-Dibromoethane	11.24	107	111186	25.047	ug/L	97
52) Chlorobenzene	11.66	112	388744	25.301	ug/L	99
53) Ethylbenzene	11.73	91	741357	26.103	ug/L	99
54) m,p-Xylene	11.84	106	269158	26.063	ug/L	100
55) o-xylene	12.16	106	254040	26.138	ug/L	96
56) Styrene	12.18	104	438155	26.517	ug/L	98
57) Isopropylbenzene	12.46	105	701054	26.219	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	151453	24.983	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	115353	24.671	ug/L	99
62) Bromoform	12.35	173	77156	24.767	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	297653	25.186	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	294328	24.799	ug/L	100
65) 1,2-Dichlorobenzene	13.87	146	269159	25.151	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	26562	23.981	ug/L	98
67) 1,3,5-Trichlorobenzene	14.63	180	224100	25.762	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	185558	26.487	ug/L	99
69) Naphthalene	15.37	128	368711	26.135	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	164978	25.427	ug/L	98

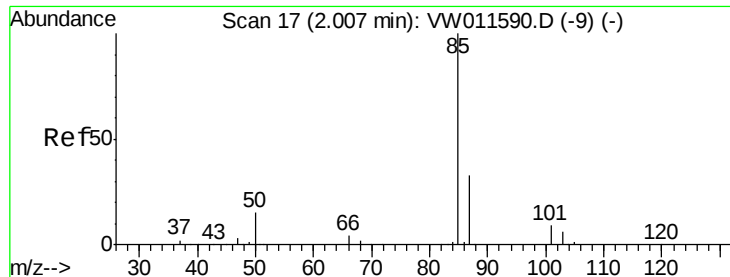
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080519\
Data File : VW011701.D
Acq On : 05 Aug 2019 09:56
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02507

Quant Time: Aug 06 04:36:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis
QLast Update : Sat Aug 03 02:22:50 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 26.789 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW011701.D

Acq: 05 Aug 2019 09:56

Instrument :

MSVOA_W

ClientSampleId :

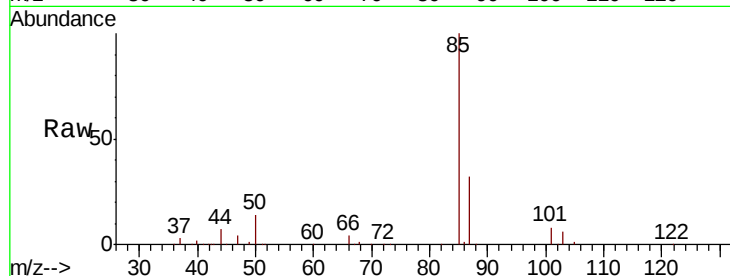
VSTD02507

Tgt Ion: 85 Resp: 121329

Ion Ratio Lower Upper

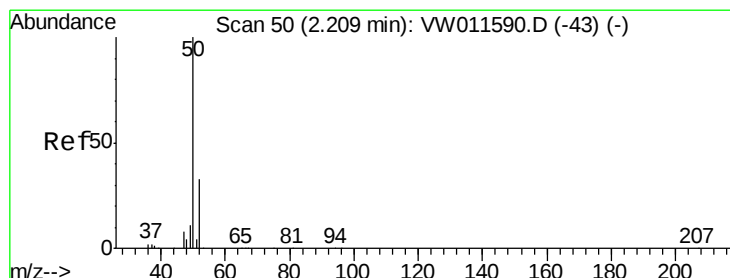
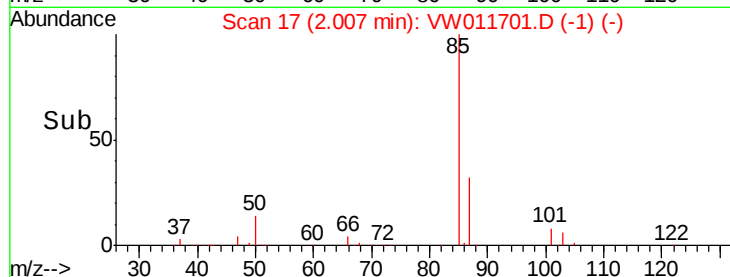
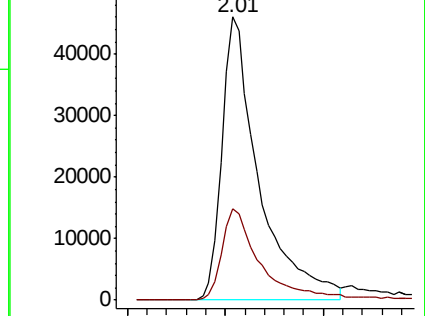
85 100

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: 23.523 ug/L

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW011701.D

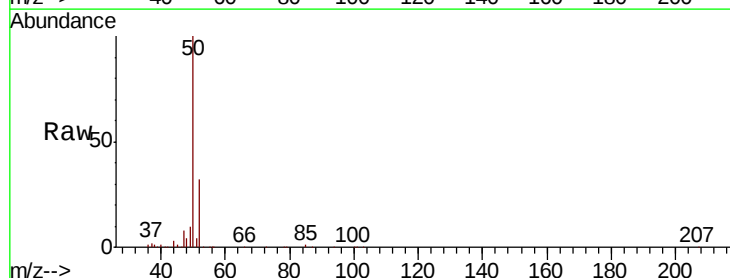
Acq: 05 Aug 2019 09:56

Tgt Ion: 50 Resp: 138574

Ion Ratio Lower Upper

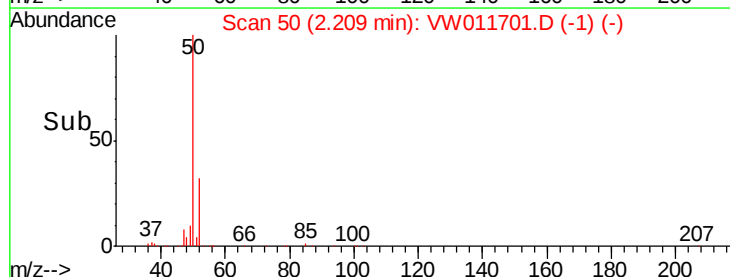
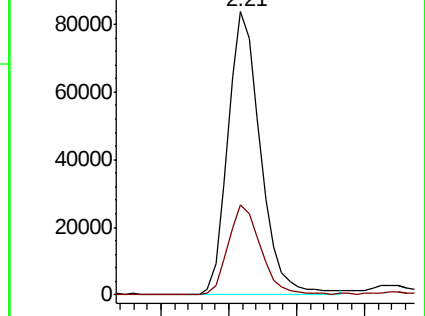
50 100

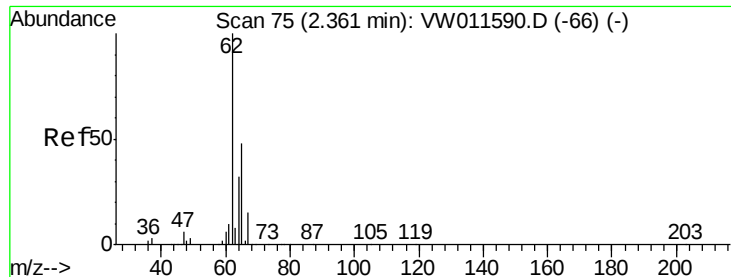
52 31.8 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 24.741 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW011701.D

Acq: 05 Aug 2019 09:56

Instrument :

MSVOA_W

ClientSampled :

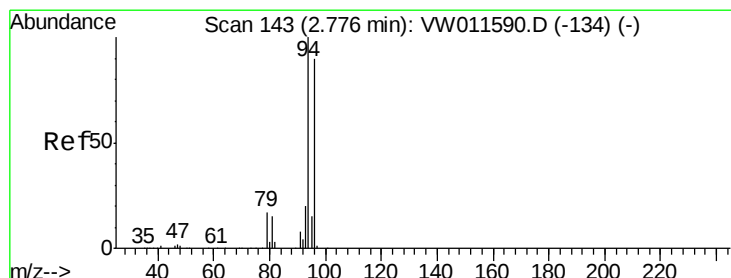
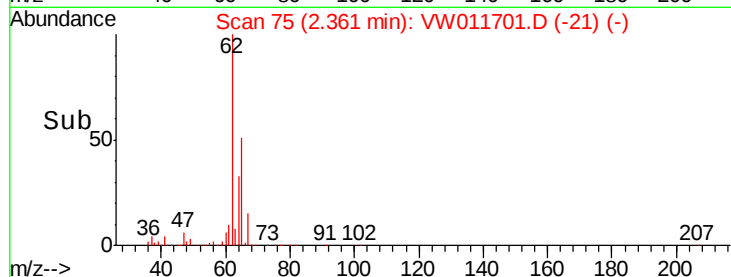
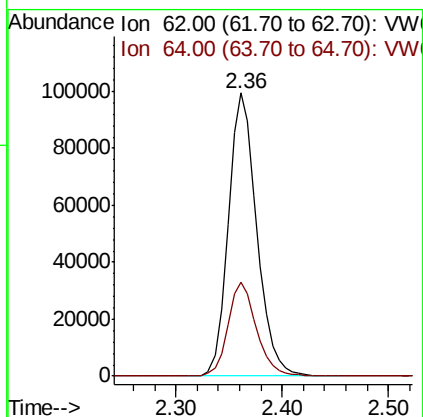
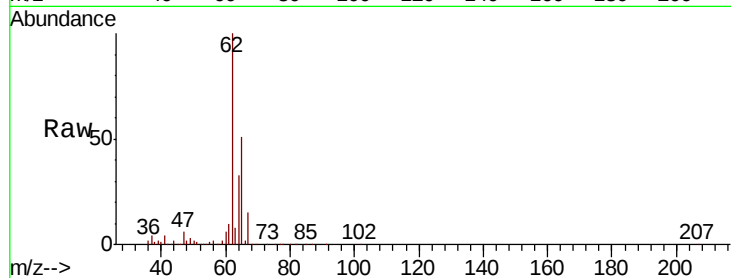
VSTD02507

Tgt Ion: 62 Resp: 185955

Ion Ratio Lower Upper

62 100

64 33.3 23.6 43.8



#6

Bromomethane

Concen: 24.502 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW011701.D

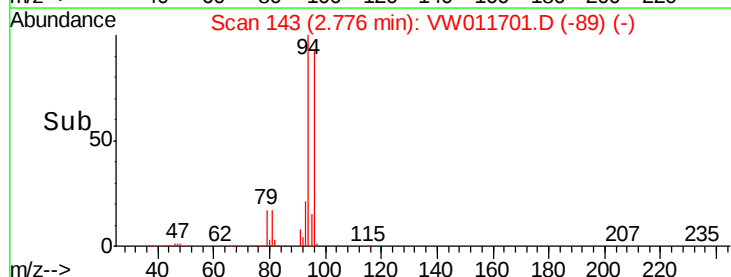
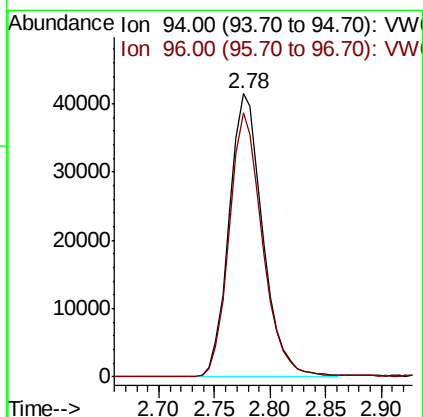
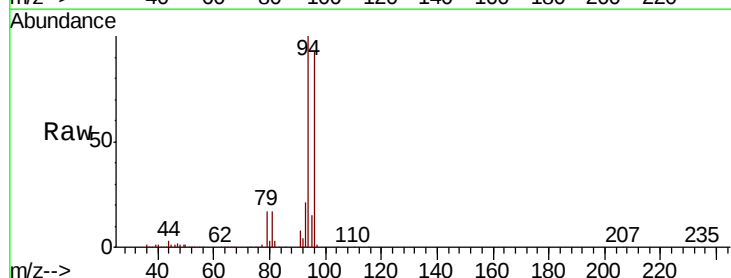
Acq: 05 Aug 2019 09:56

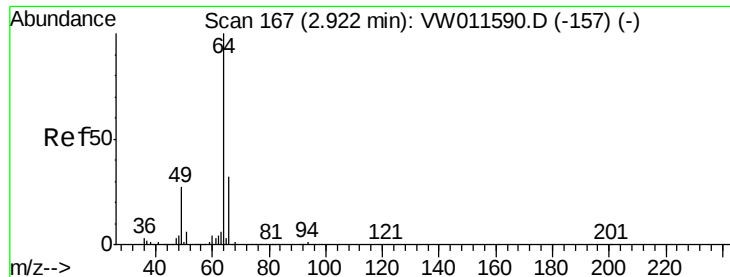
Tgt Ion: 94 Resp: 86822

Ion Ratio Lower Upper

94 100

96 92.3 9.3 175.9





#8

Chloroethane

Concen: 25.348 ug/L

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW011701.D

Acq: 05 Aug 2019 09:56

Instrument :

MSVOA_W

ClientSampleId :

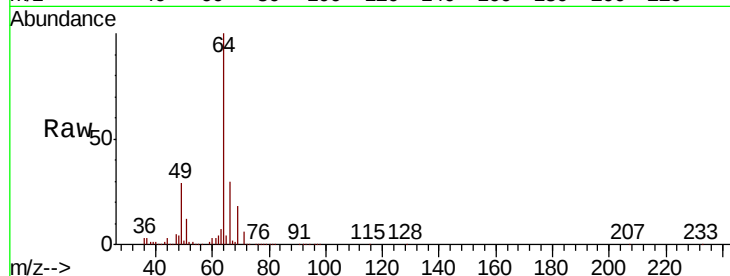
VSTD02507

Tgt Ion: 64 Resp: 99643

Ion Ratio Lower Upper

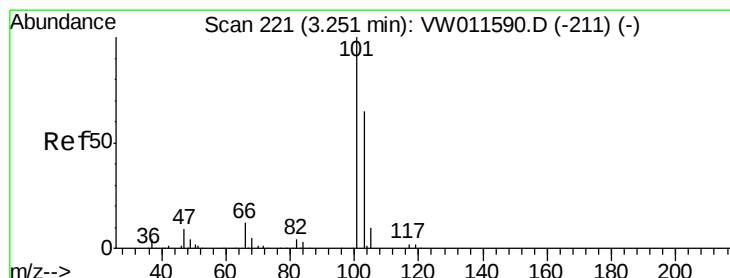
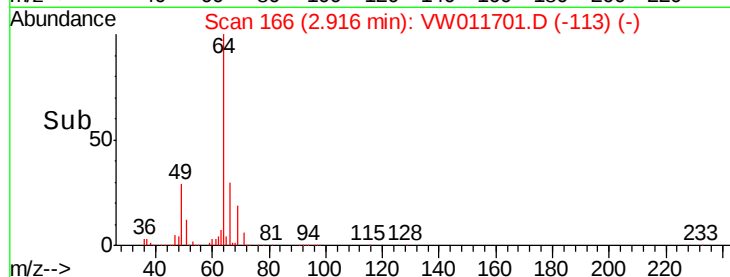
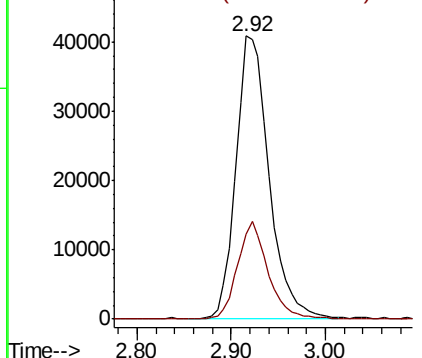
64 100

66 30.0 22.0 40.8



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW



#9

Trichlorofluoromethane

Concen: 27.300 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.00 min

Lab File: VW011701.D

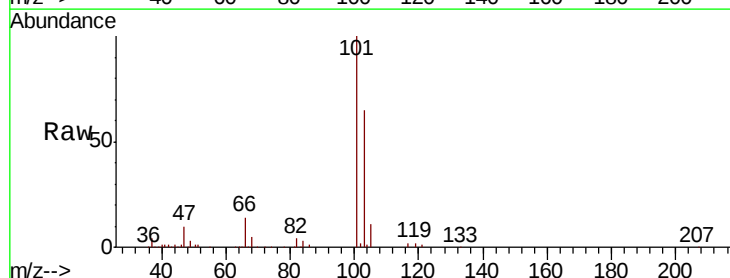
Acq: 05 Aug 2019 09:56

Tgt Ion: 101 Resp: 104527

Ion Ratio Lower Upper

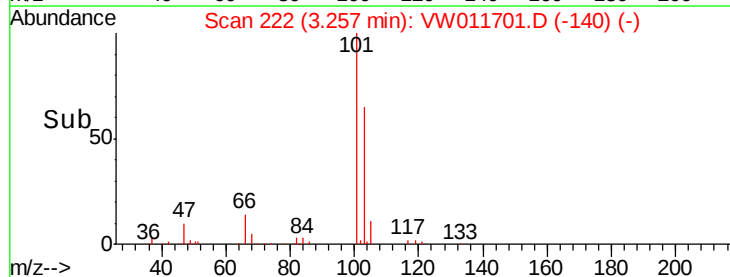
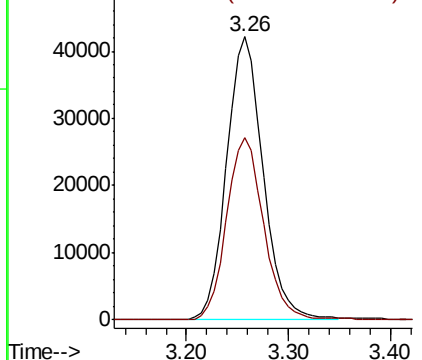
101 100

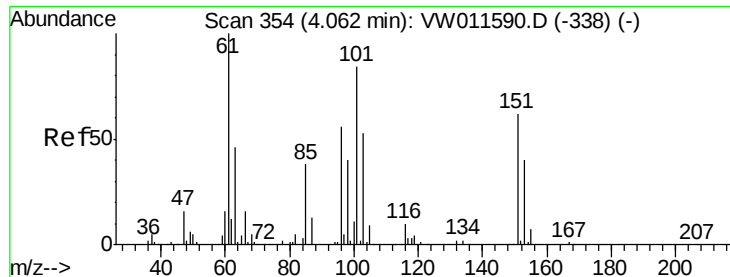
103 65.0 44.3 82.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#11

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

Concen: 25.776 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW011701.D

Acq: 05 Aug 2019 09:56

Instrument :

MSVOA_W

ClientSampled :

VSTD02507

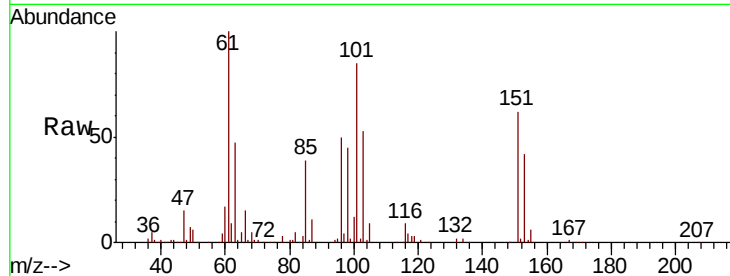
Tgt Ion: 101 Resp: 149621

Ion Ratio Lower Upper

101 100

85 43.2 37.0 55.4

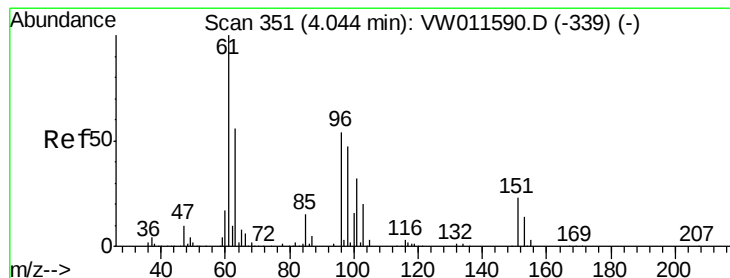
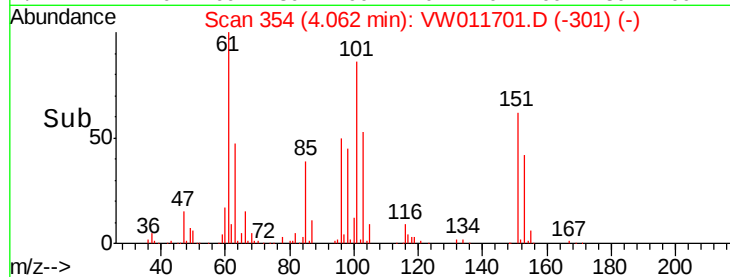
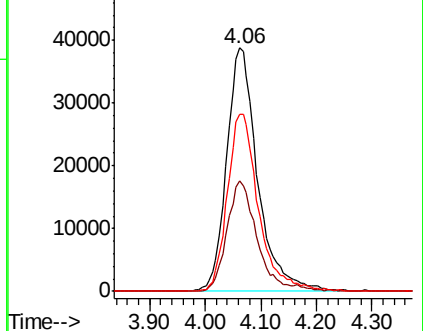
151 72.1 60.8 91.2



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: 24.827 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW011701.D

Acq: 05 Aug 2019 09:56

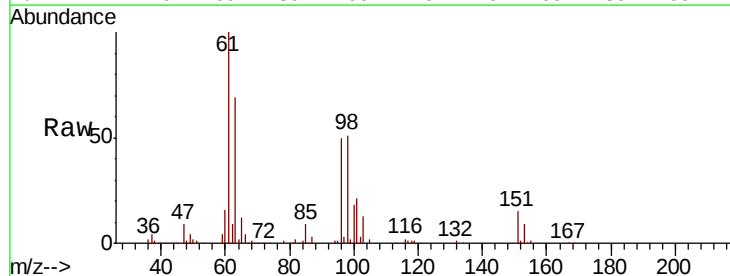
Tgt Ion: 96 Resp: 144099

Ion Ratio Lower Upper

96 100

61 202.0 135.0 250.8

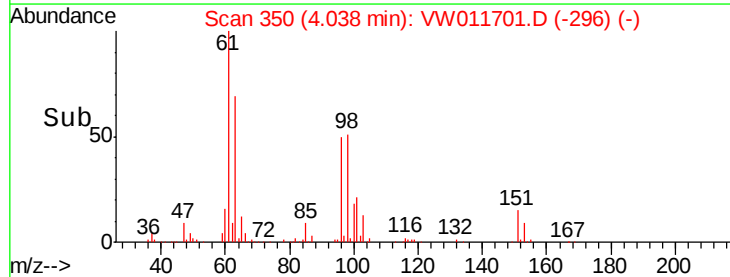
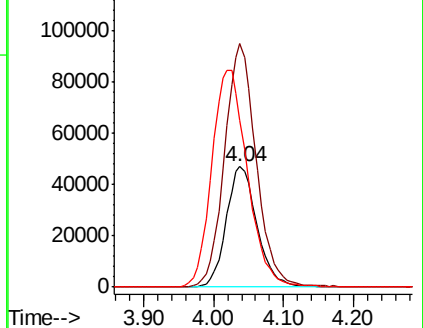
63 138.9 89.2 165.8

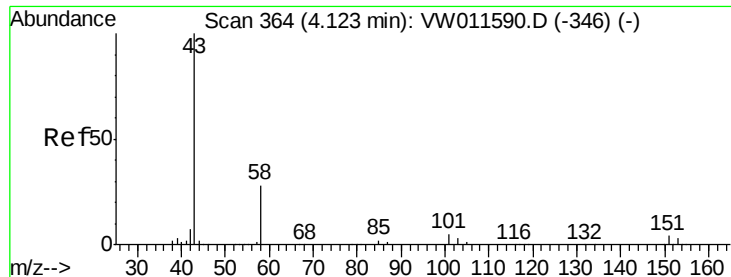


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 46.591 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW011701.D

Acq: 05 Aug 2019 09:56

Instrument :

MSVOA_W

ClientSampleId :

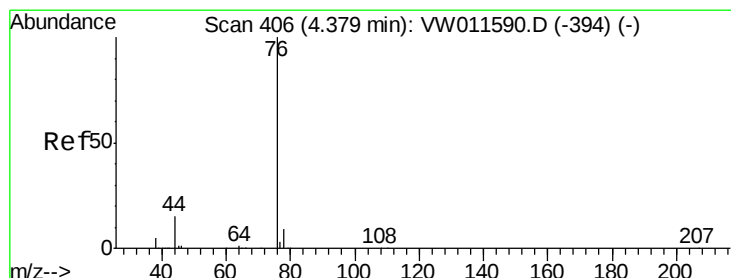
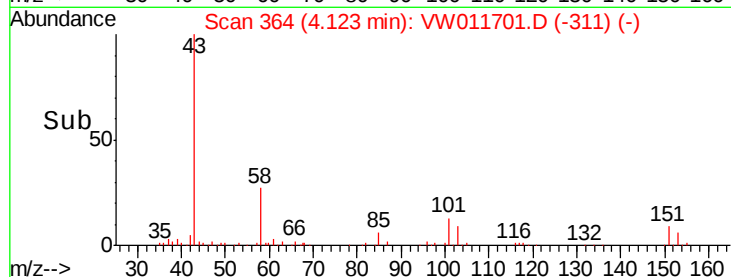
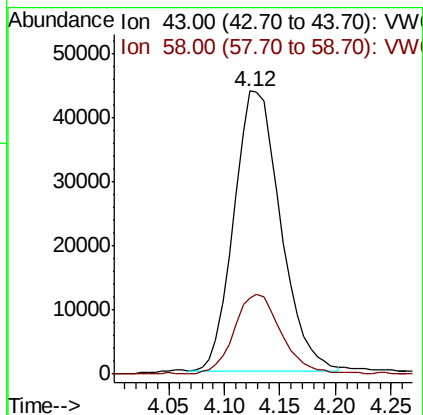
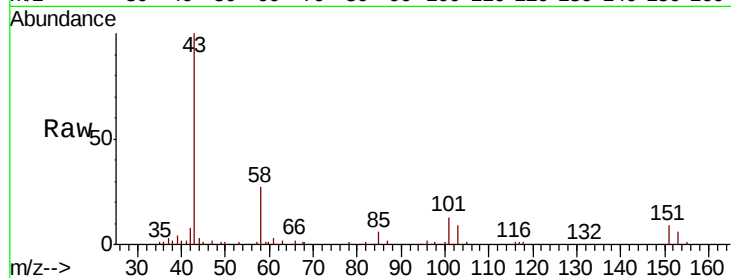
VSTD02507

Tgt Ion: 43 Resp: 127852

Ion Ratio Lower Upper

43 100

58 28.6 0.0 53.4



#14

Carbon disulfide

Concen: 24.326 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW011701.D

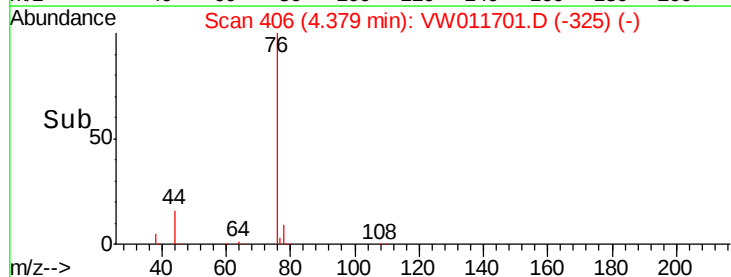
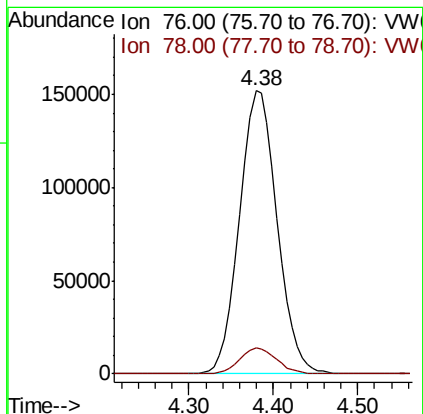
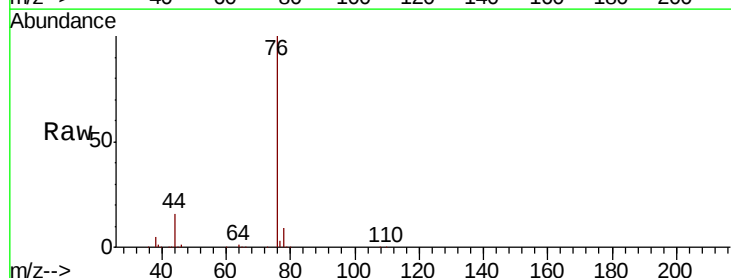
Acq: 05 Aug 2019 09:56

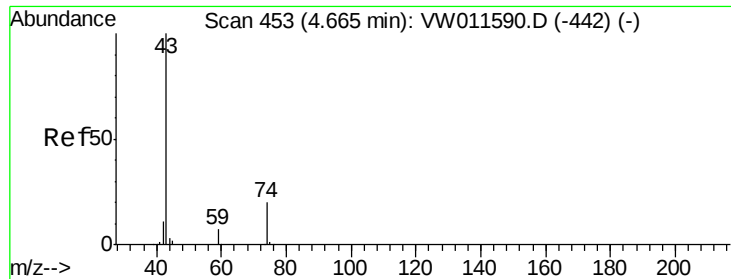
Tgt Ion: 76 Resp: 459846

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.6

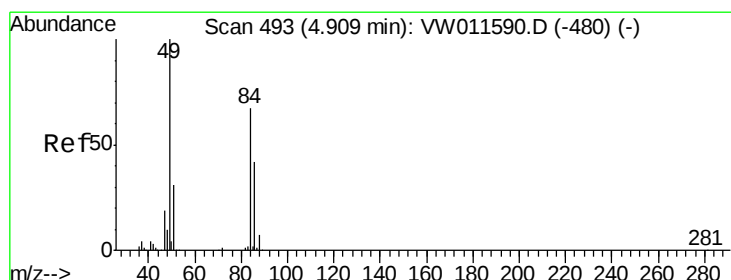
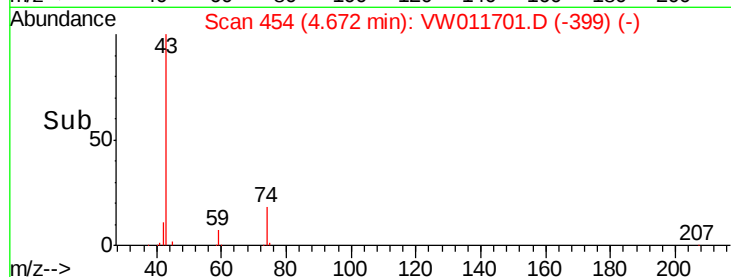
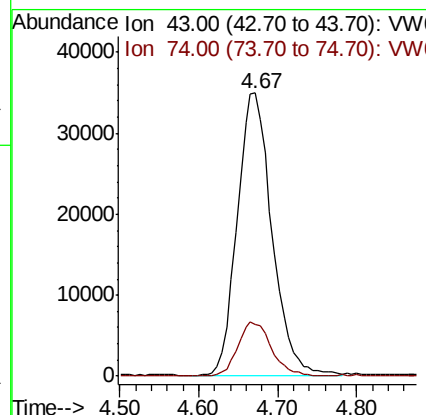
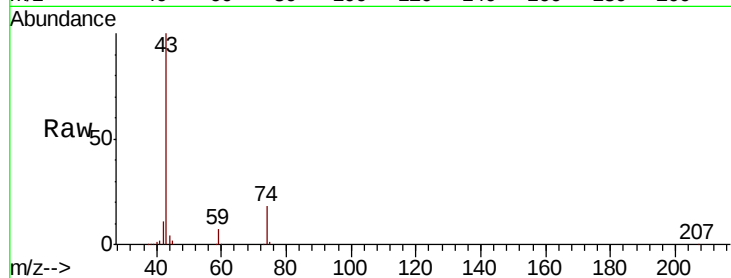




#15
Methyl Acetate
Concen: 23.836 ug/L
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW011701.D
Acq: 05 Aug 2019 09:56

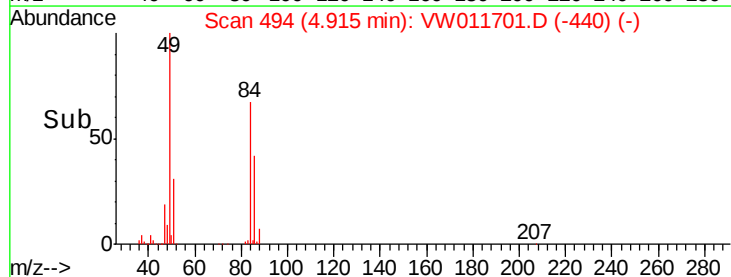
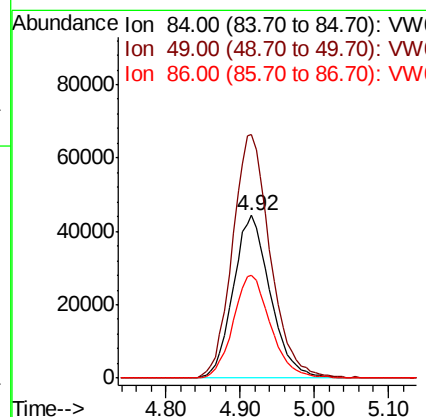
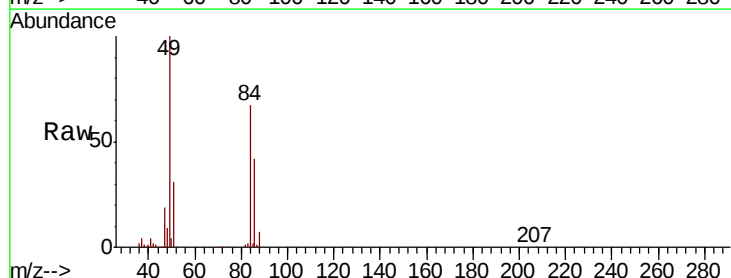
Instrument :
MSVOA_W
ClientSampleId :
VSTD02507

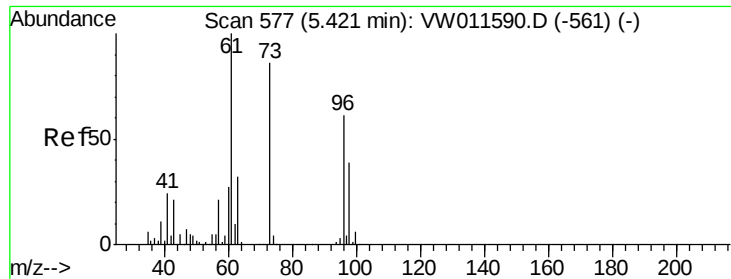
Tgt Ion: 43 Resp: 106947
Ion Ratio Lower Upper
43 100
74 18.5 15.0 22.4



#16
Methylene chloride
Concen: 24.565 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW011701.D
Acq: 05 Aug 2019 09:56

Tgt Ion: 84 Resp: 154918
Ion Ratio Lower Upper
84 100
49 149.8 106.8 198.4
86 63.5 42.8 79.4

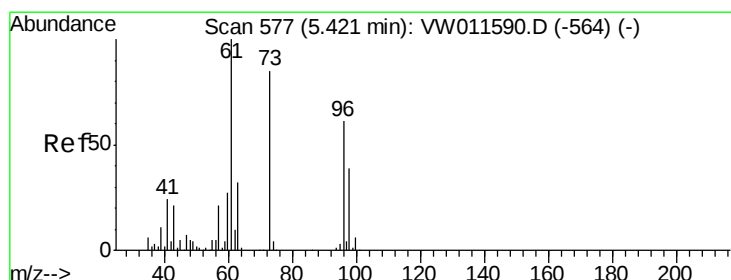
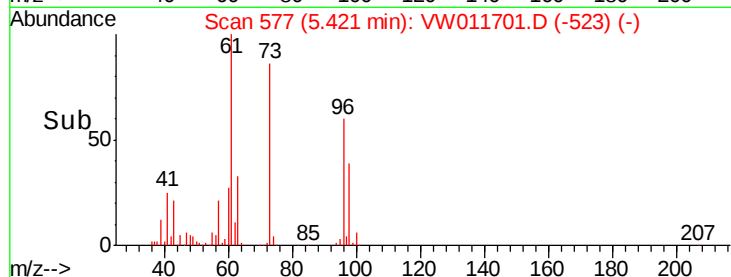
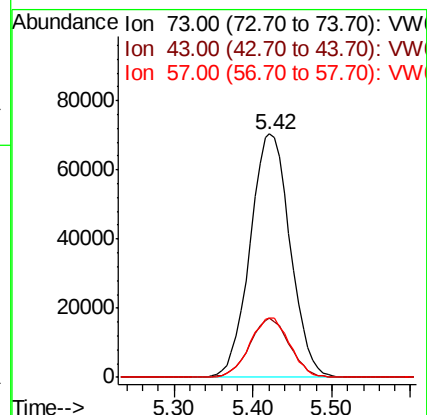
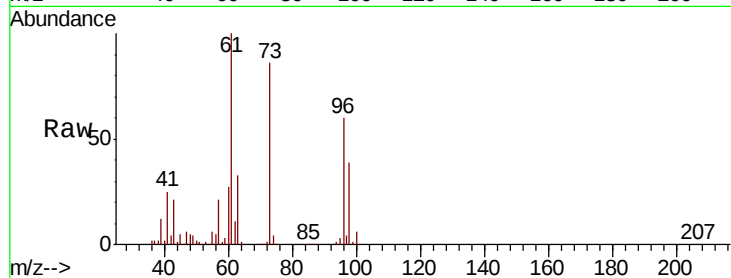




#17
Methyl tert-butyl Ether
Concen: 25.717 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW011701.D
Acq: 05 Aug 2019 09:56

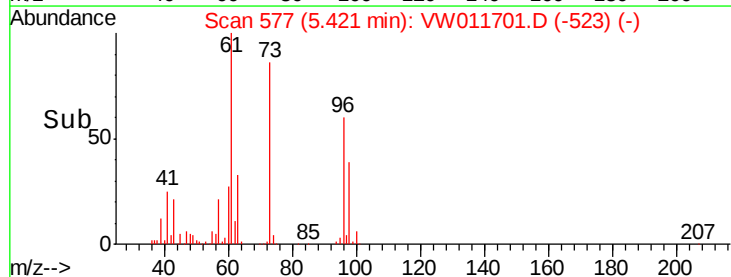
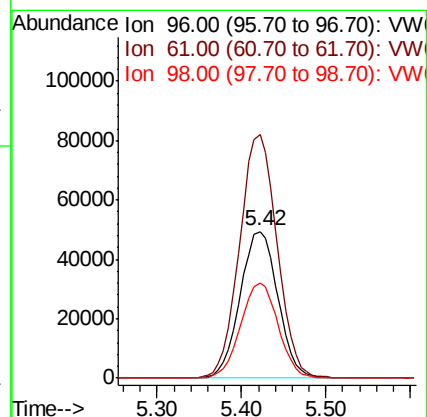
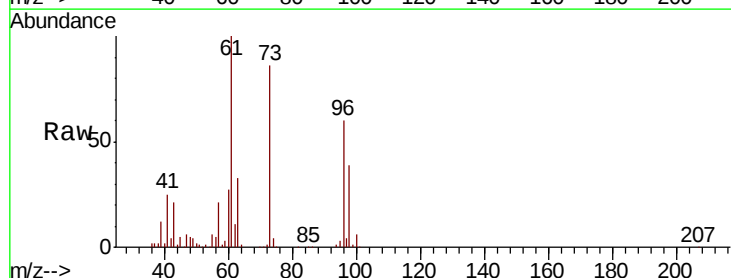
Instrument :
MSVOA_W
ClientSampled :
VSTD02507

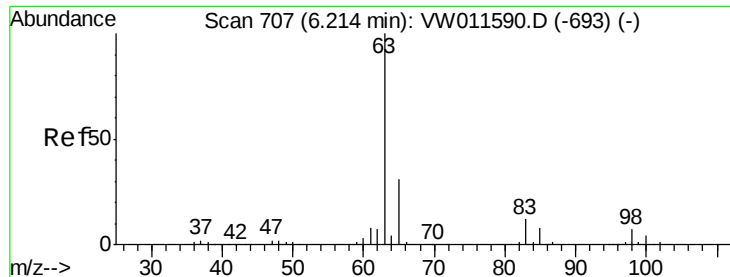
Tgt Ion: 73 Resp: 248562
Ion Ratio Lower Upper
73 100
43 23.9 19.3 28.9
57 24.4 19.7 29.5



#18
trans-1,2-Dichloroethene
Concen: 24.986 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW011701.D
Acq: 05 Aug 2019 09:56

Tgt Ion: 96 Resp: 149830
Ion Ratio Lower Upper
96 100
61 165.8 114.2 212.0
98 64.7 45.6 84.6

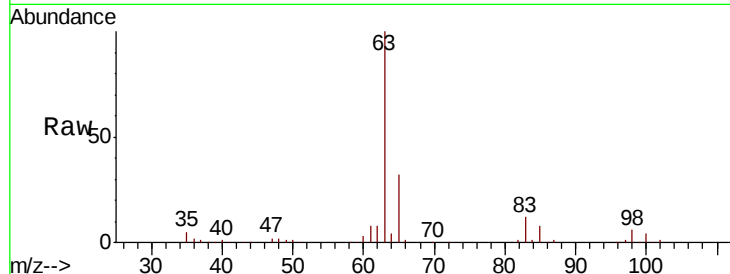




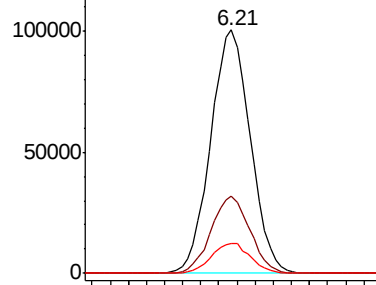
#19
 1,1-Dichloroethane
 Concen: 25.422 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW011701.D
 Acq: 05 Aug 2019 09:56

Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02507

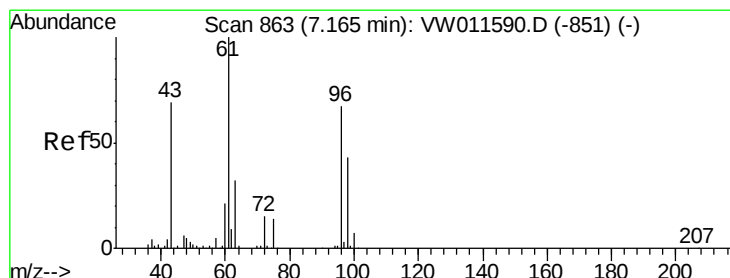
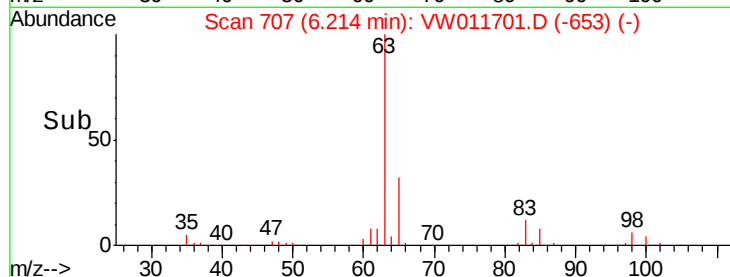
Tgt Ion: 63 Resp: 304536
 Ion Ratio Lower Upper
 63 100
 65 31.5 21.7 40.3
 83 12.3 8.4 15.6



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

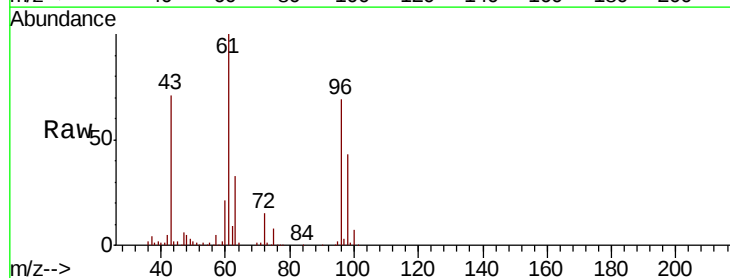


Time-->

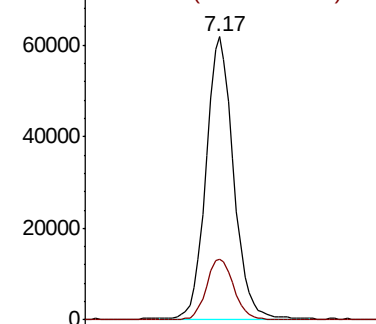


#21
 2-Butanone
 Concen: 48.889 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW011701.D
 Acq: 05 Aug 2019 09:56

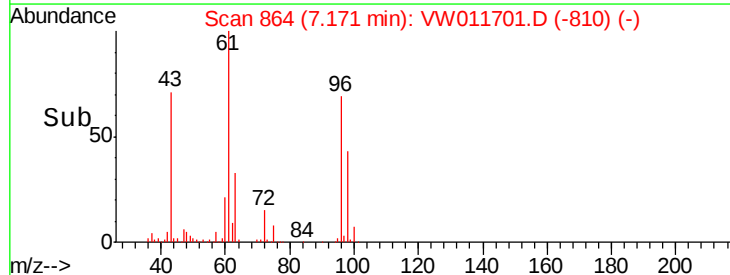
Tgt Ion: 43 Resp: 168203
 Ion Ratio Lower Upper
 43 100
 72 21.4 10.7 32.1

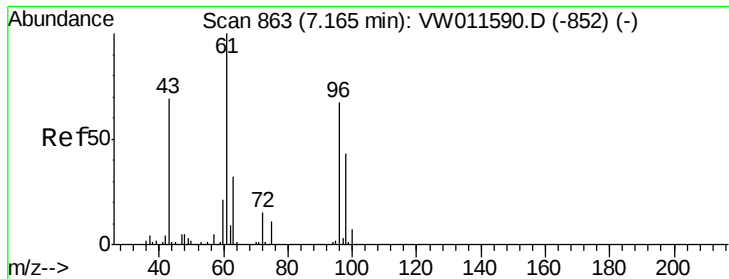


Abundance Ion 43.00 (42.70 to 43.70): VW
 Ion 72.00 (71.70 to 72.70): VW



Time-->



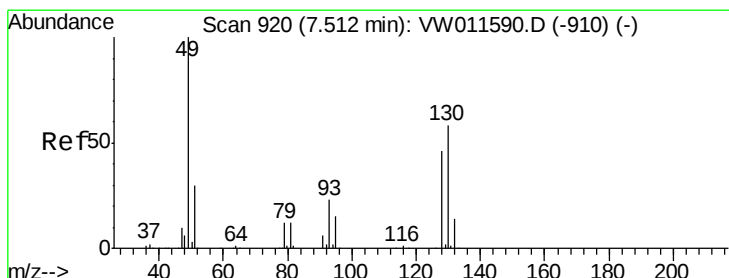
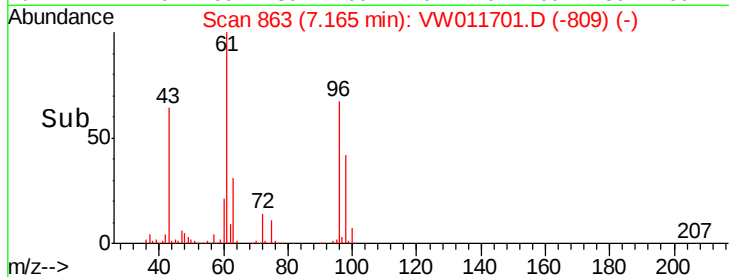
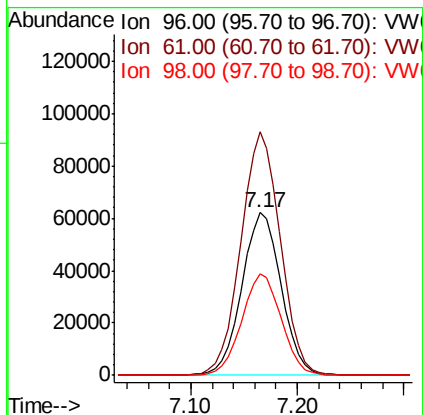
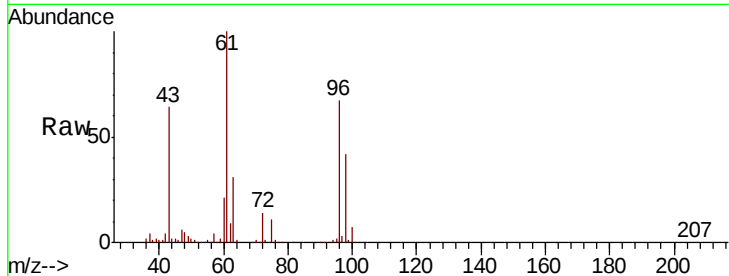


#22

cis-1,2-Dichloroethene
 Concen: 25.718 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW011701.D
 Acq: 05 Aug 2019 09:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02507

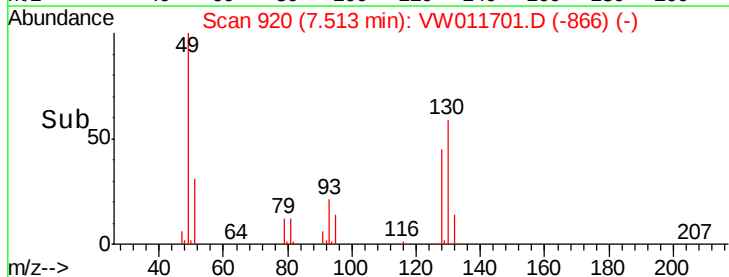
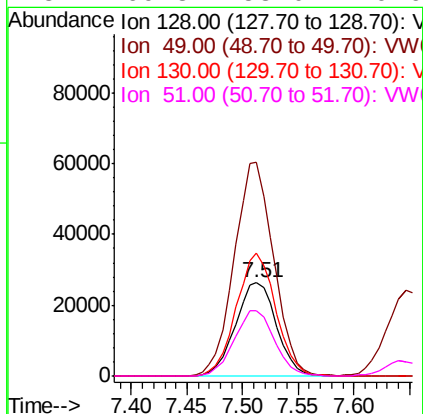
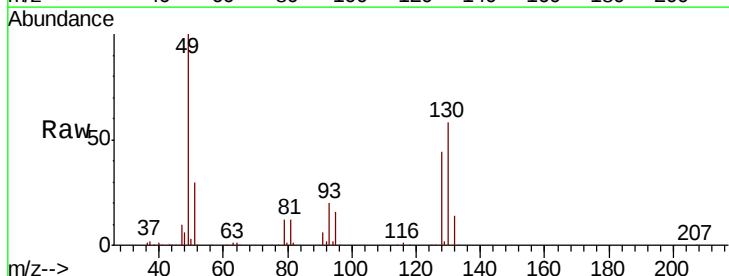
Tgt Ion: 96 Resp: 161346
 Ion Ratio Lower Upper
 96 100
 61 149.6 103.9 192.9
 98 62.2 43.5 80.9

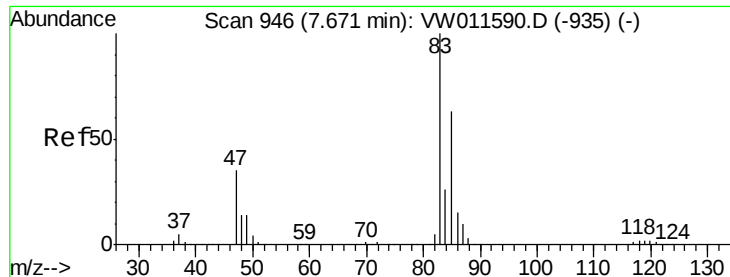


#23

Bromochloromethane
 Concen: 25.324 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW011701.D
 Acq: 05 Aug 2019 09:56

Tgt Ion: 128 Resp: 67598
 Ion Ratio Lower Upper
 128 100
 49 228.9 153.6 285.3
 130 131.7 89.5 166.3
 51 69.8 53.0 79.6

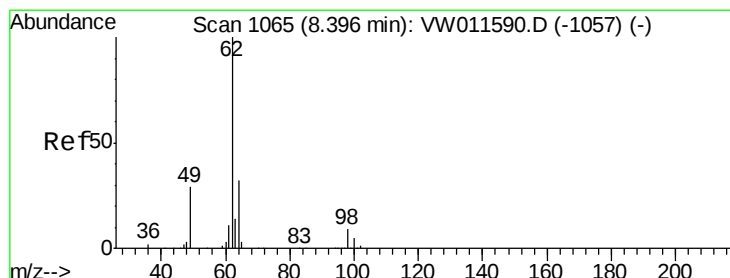
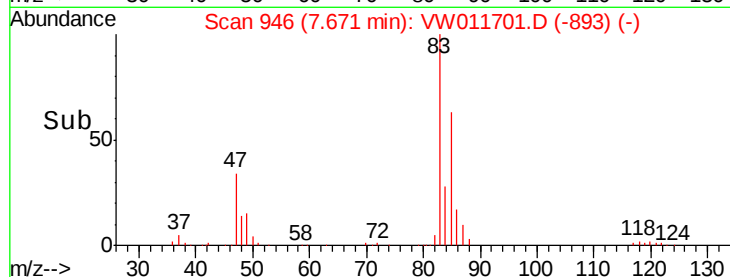
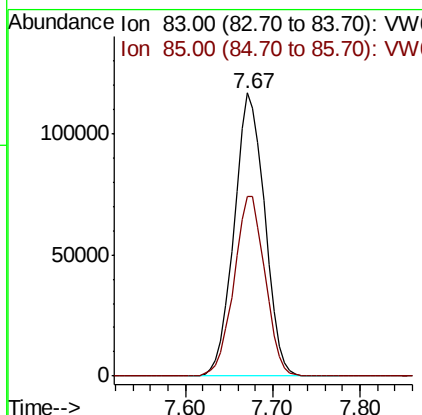
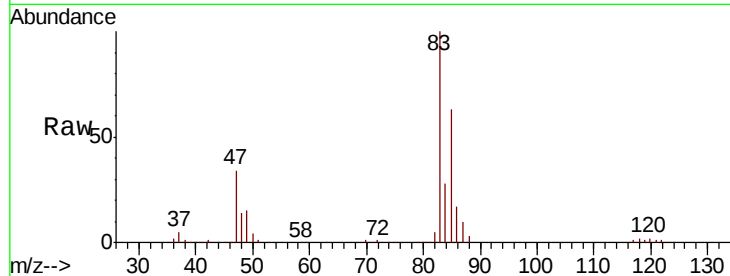




#25
Chloroform
Concen: 25.642 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW011701.D
Acq: 05 Aug 2019 09:56

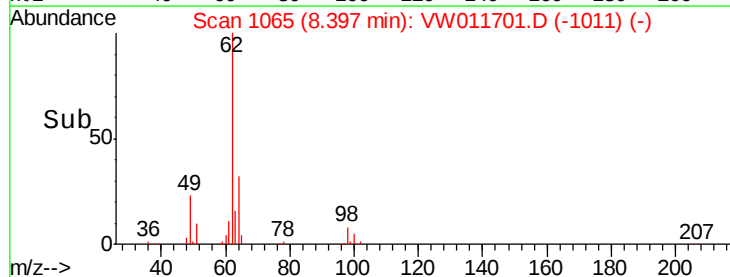
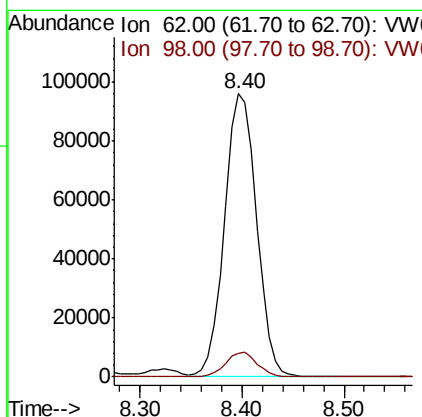
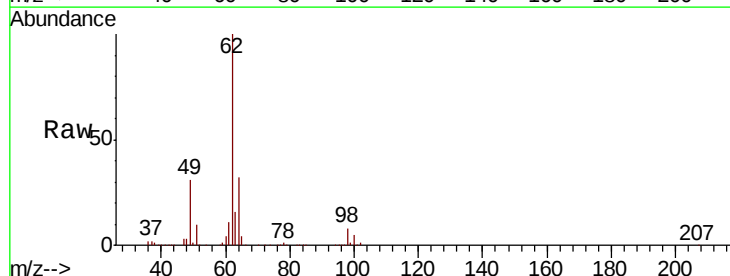
Instrument :
MSVOA_W
ClientSampleId :
VSTD02507

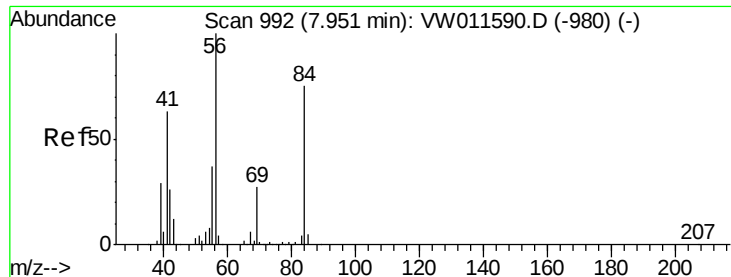
Tgt Ion: 83 Resp: 283121
Ion Ratio Lower Upper
83 100
85 64.5 45.4 84.2



#27
1,2-Dichloroethane
Concen: 25.608 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW011701.D
Acq: 05 Aug 2019 09:56

Tgt Ion: 62 Resp: 209314
Ion Ratio Lower Upper
62 100
98 8.4 7.2 10.8

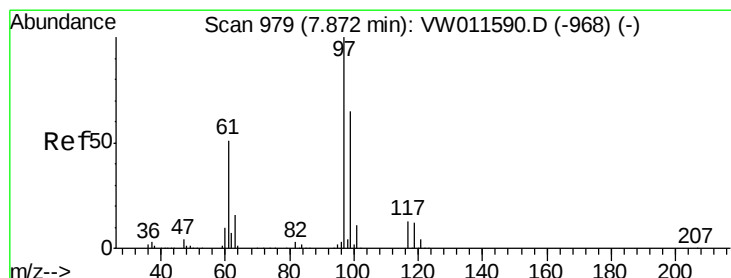
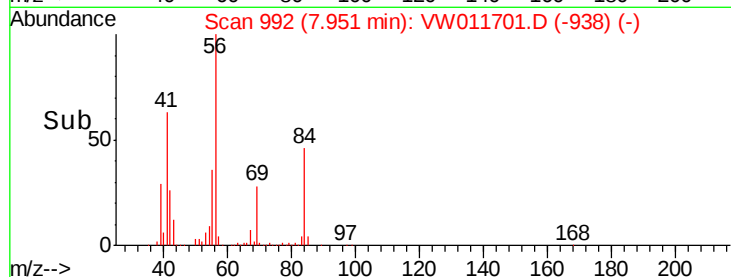
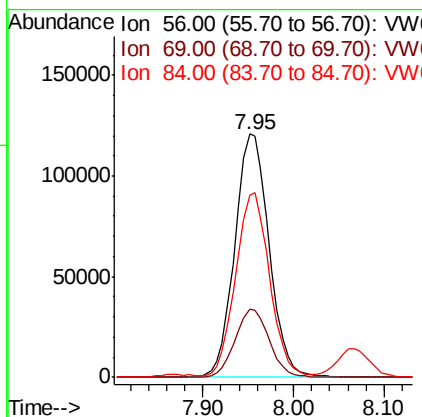
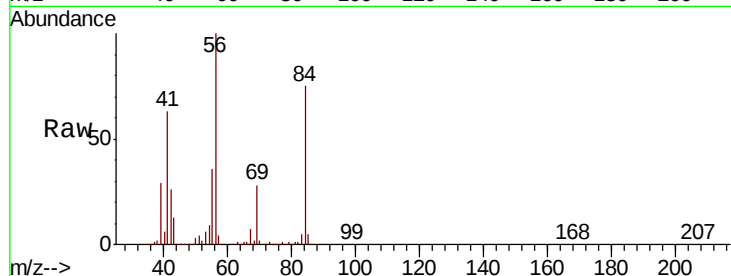




#30
Cyclohexane
Concen: 25.547 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW011701.D
Acq: 05 Aug 2019 09:56

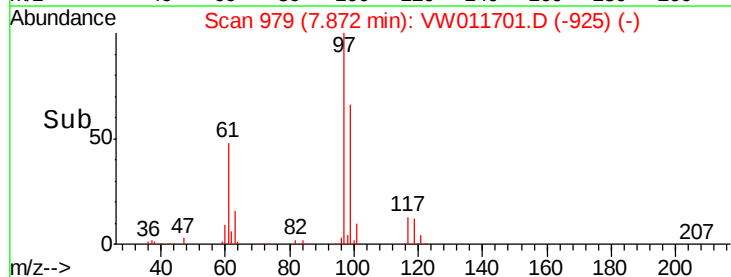
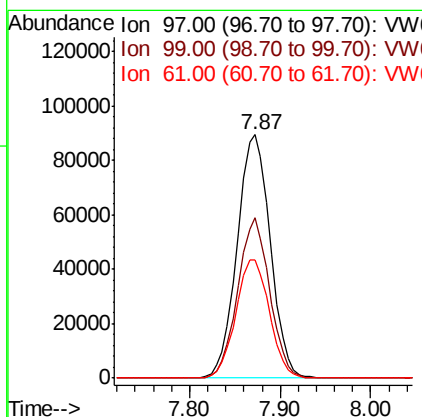
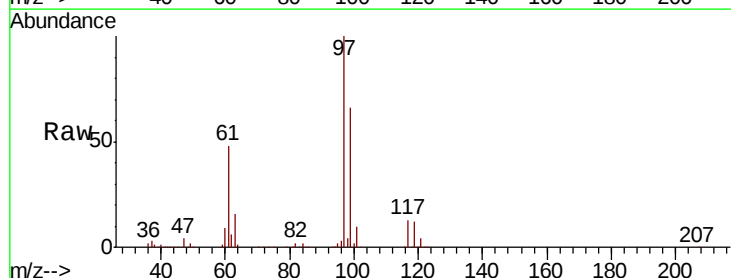
Instrument :
MSVOA_W
ClientSampleId :
VSTD02507

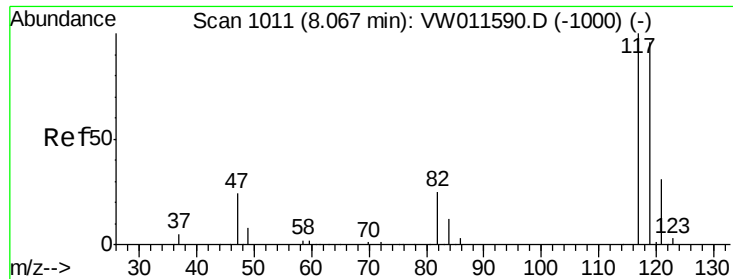
Tgt Ion: 56 Resp: 317659
Ion Ratio Lower Upper
56 100
69 27.9 22.4 33.6
84 74.7 60.6 91.0



#31
1,1,1-Trichloroethane
Concen: 26.033 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW011701.D
Acq: 05 Aug 2019 09:56

Tgt Ion: 97 Resp: 226905
Ion Ratio Lower Upper
97 100
99 63.6 52.1 78.1
61 49.6 40.3 60.5





#32

Carbon tetrachloride

Concen: 25.947 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW011701.D

Acq: 05 Aug 2019 09:56

Instrument :

MSVOA_W

ClientSampleId :

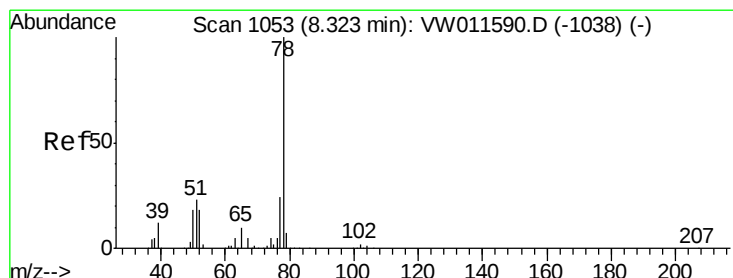
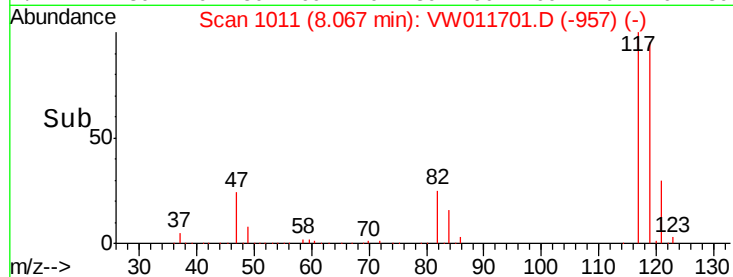
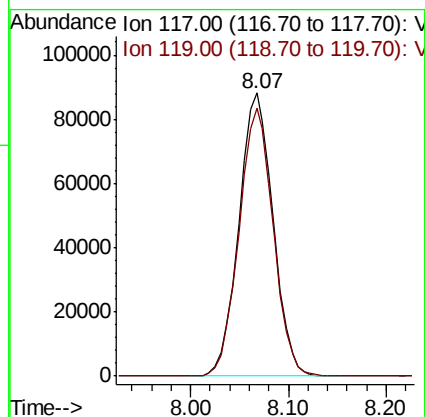
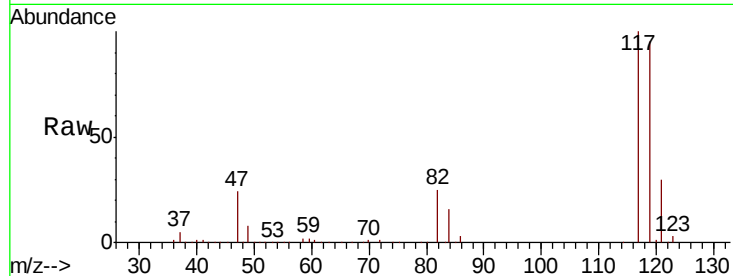
VSTD02507

Tgt Ion:117 Resp: 212759

Ion Ratio Lower Upper

117 100

119 94.9 76.2 114.4



#34

Benzene

Concen: 25.524 ug/L

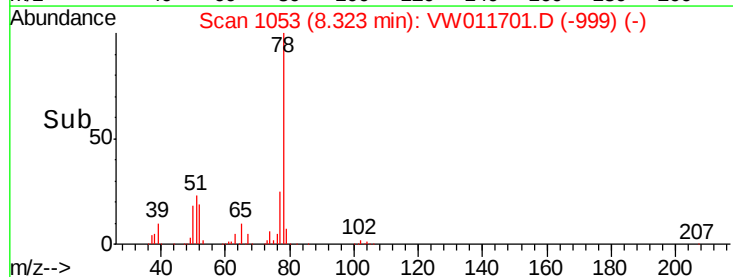
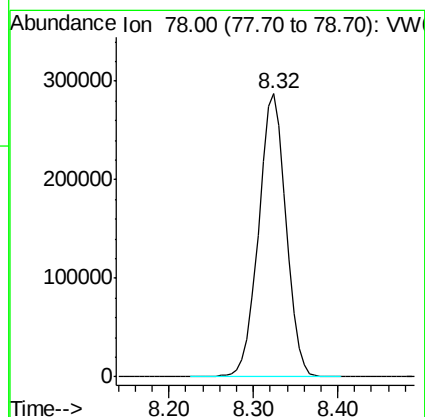
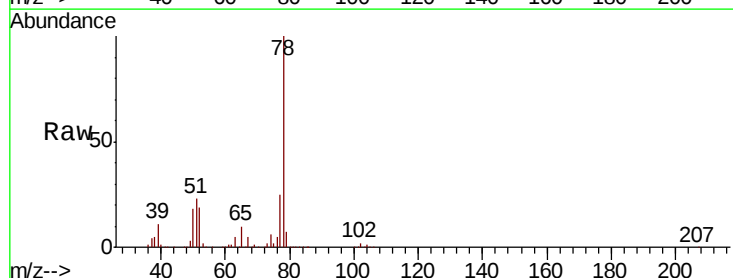
RT: 8.32 min Scan# 1053

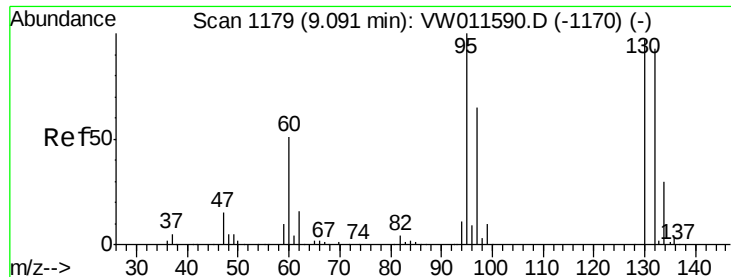
Delta R.T. 0.00 min

Lab File: VW011701.D

Acq: 05 Aug 2019 09:56

Tgt Ion: 78 Resp: 639803

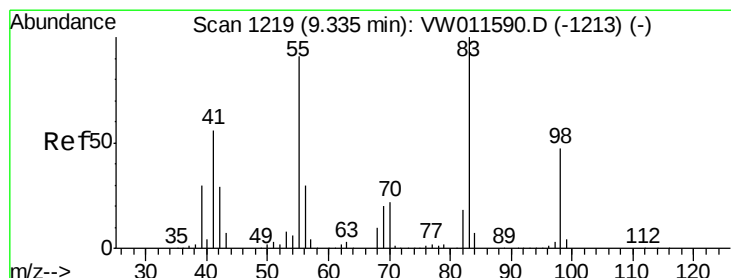
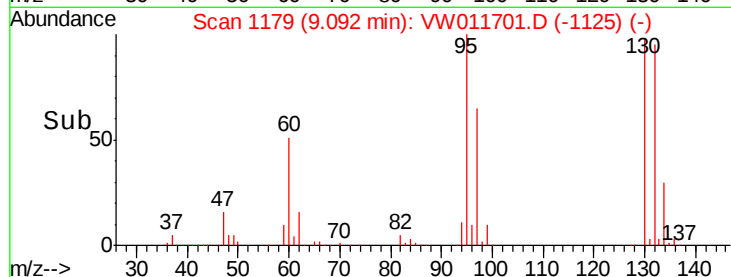
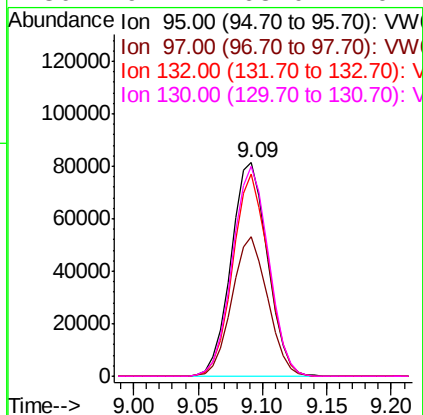
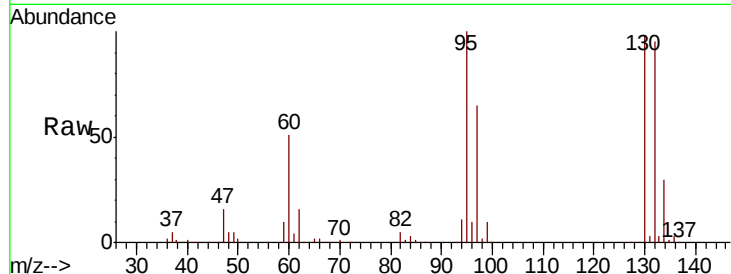




#35
 Trichloroethene
 Concen: 25.287 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW011701.D
 Acq: 05 Aug 2019 09:56

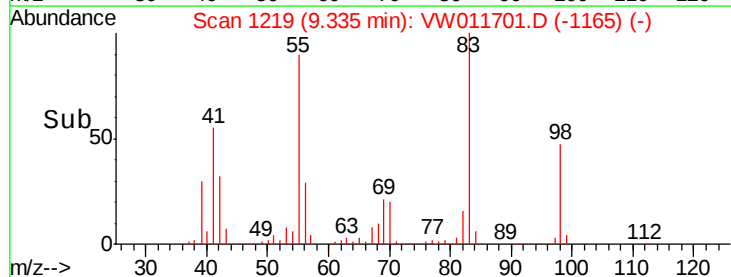
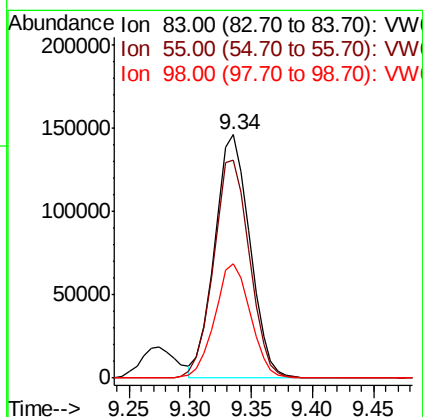
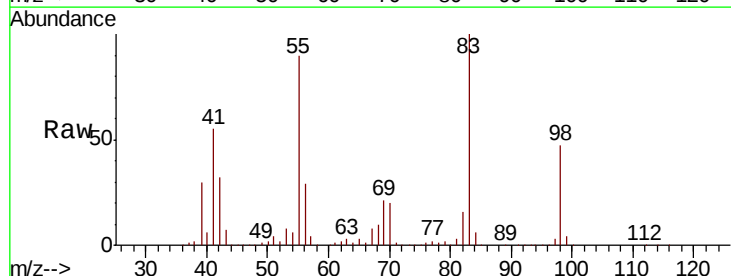
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02507

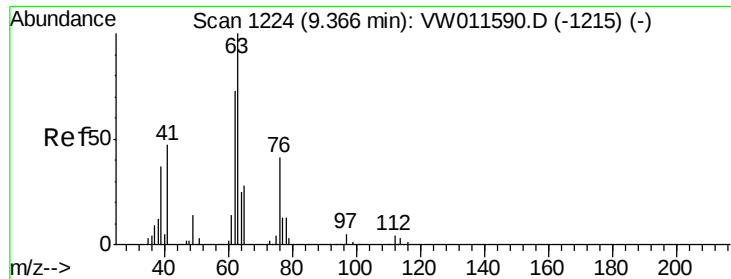
Tgt Ion:	95	Resp:	160917
Ion	Ratio	Lower	Upper
95	100		
97	63.9	44.8	83.2
132	92.2	65.0	120.6
130	97.2	68.0	126.4



#36
 Methylcyclohexane
 Concen: 25.441 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW011701.D
 Acq: 05 Aug 2019 09:56

Tgt Ion:	83	Resp:	293705
Ion	Ratio	Lower	Upper
83	100		
55	91.6	72.6	108.8
98	47.4	37.8	56.6

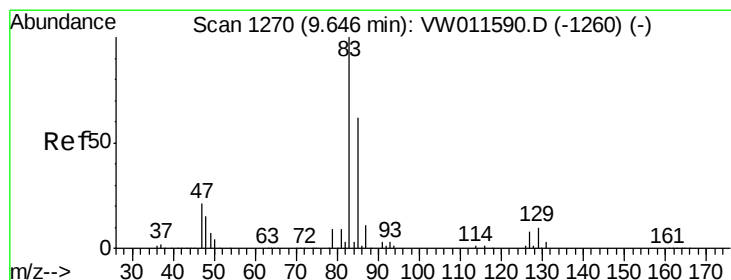
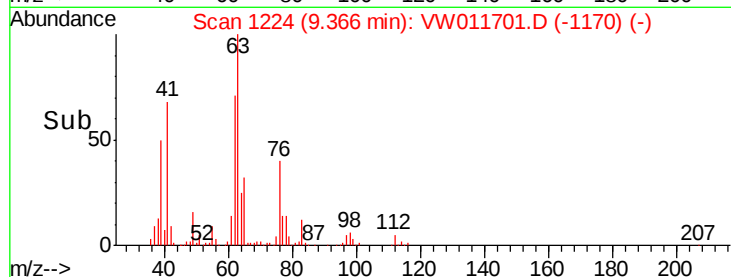
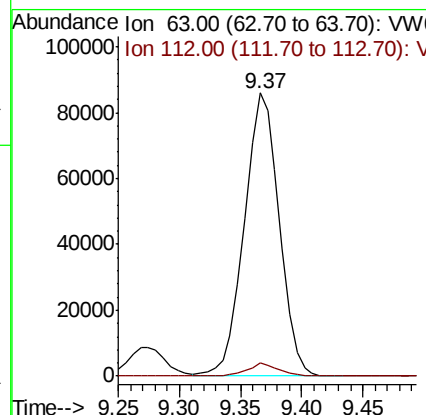
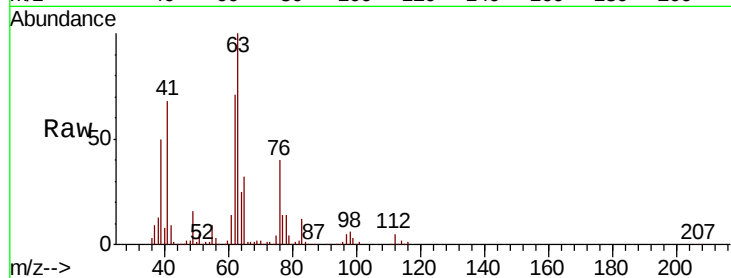




#40
 1,2-Dichloropropane
 Concen: 25.504 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW011701.D
 Acq: 05 Aug 2019 09:56

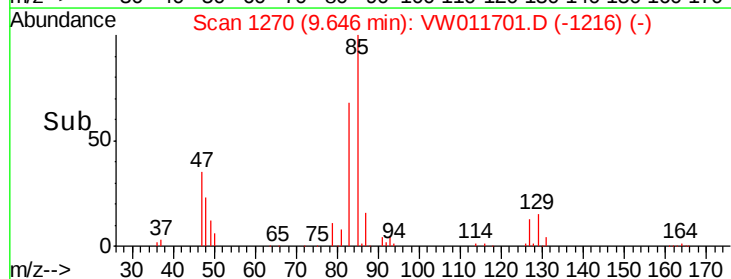
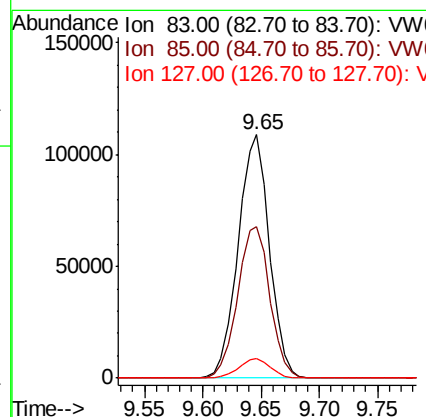
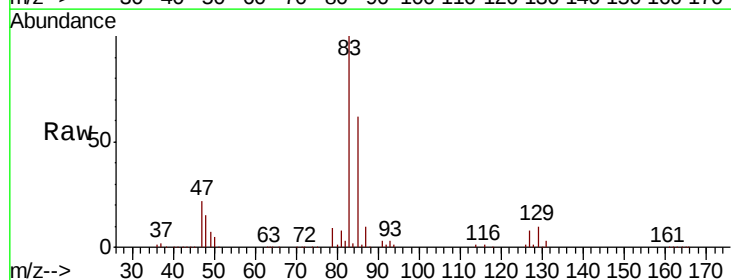
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02507

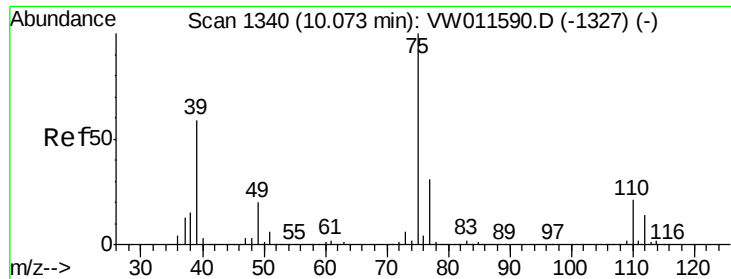
Tgt Ion: 63 Resp: 170649
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.1 4.7



#41
 Bromodichloromethane
 Concen: 25.824 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW011701.D
 Acq: 05 Aug 2019 09:56

Tgt Ion: 83 Resp: 203904
 Ion Ratio Lower Upper
 83 100
 85 62.4 44.0 81.6
 127 8.2 6.5 9.7

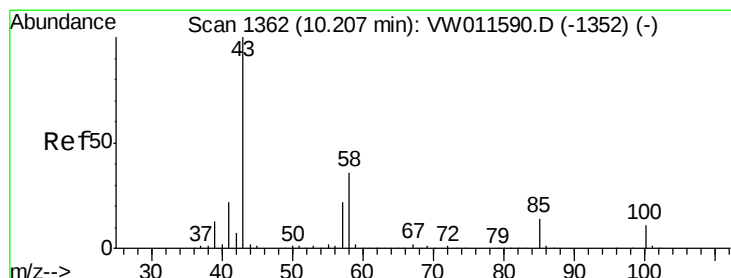
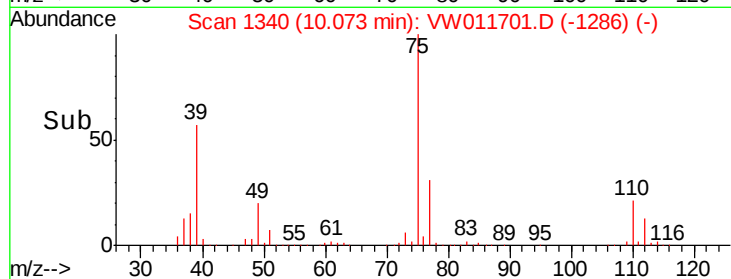
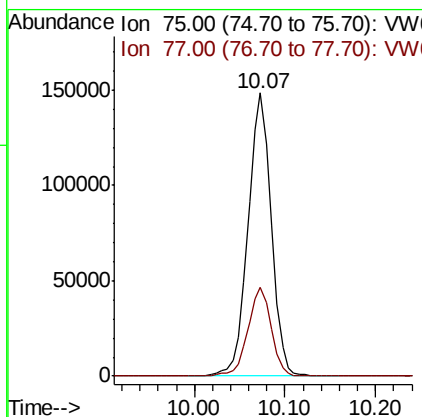
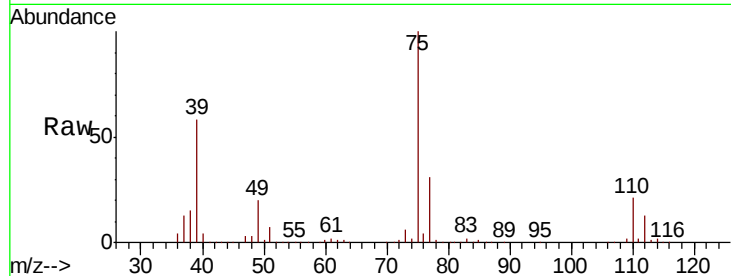




#42
 cis-1,3-Dichloropropene
 Concen: 26.290 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW011701.D
 Acq: 05 Aug 2019 09:56

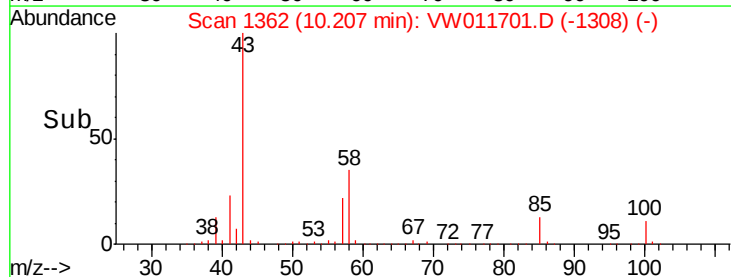
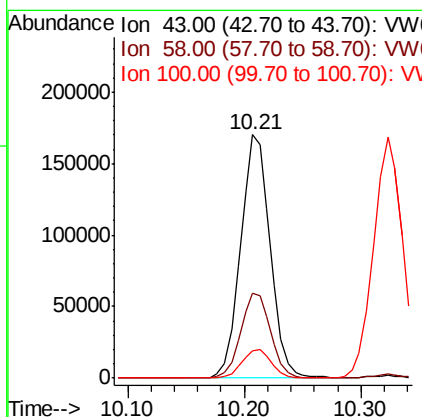
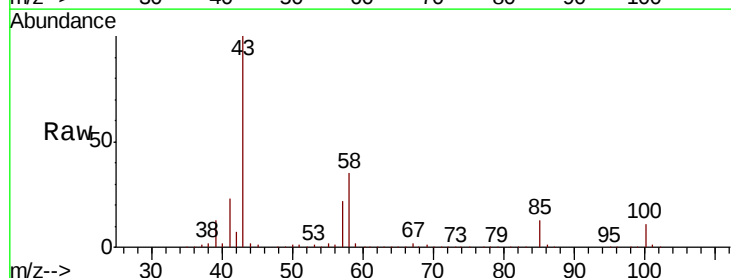
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02507

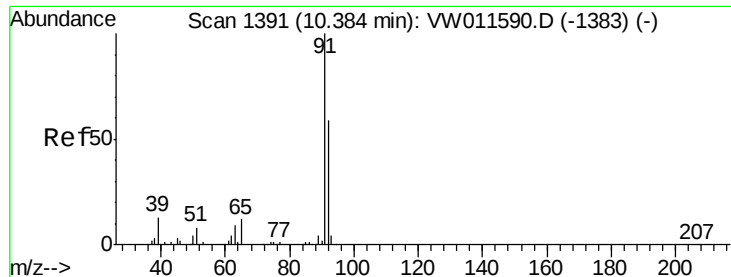
Tgt Ion: 75 Resp: 263114
 Ion Ratio Lower Upper
 75 100
 77 31.3 22.3 41.3



#43
 4-Methyl-2-pentanone
 Concen: 49.458 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW011701.D
 Acq: 05 Aug 2019 09:56

Tgt Ion: 43 Resp: 299838
 Ion Ratio Lower Upper
 43 100
 58 35.2 28.0 42.0
 100 11.8 9.4 14.2





#44

Toluene

Concen: 25.815 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW011701.D

Acq: 05 Aug 2019 09:56

Instrument :

MSVOA_W

ClientSampleId :

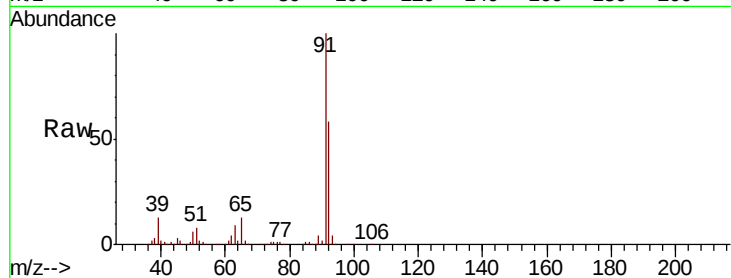
VSTD02507

Tgt Ion: 91 Resp: 657428

Ion Ratio Lower Upper

91 100

92 58.5 40.9 76.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.38

400000

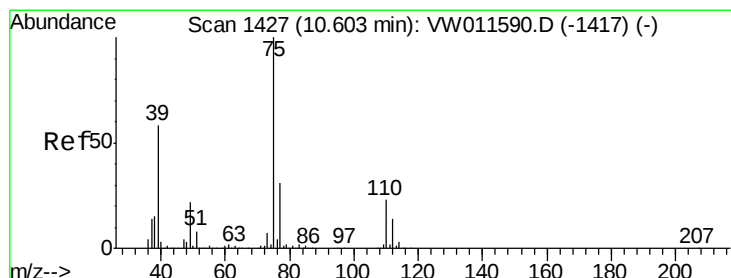
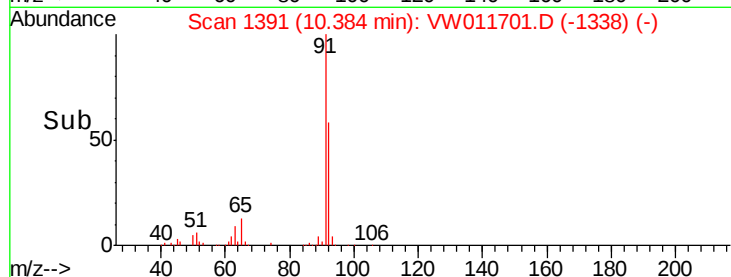
300000

200000

100000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 25.815 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW011701.D

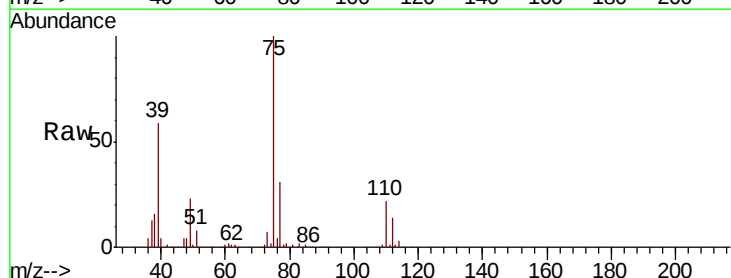
Acq: 05 Aug 2019 09:56

Tgt Ion: 75 Resp: 214961

Ion Ratio Lower Upper

75 100

77 31.4 21.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

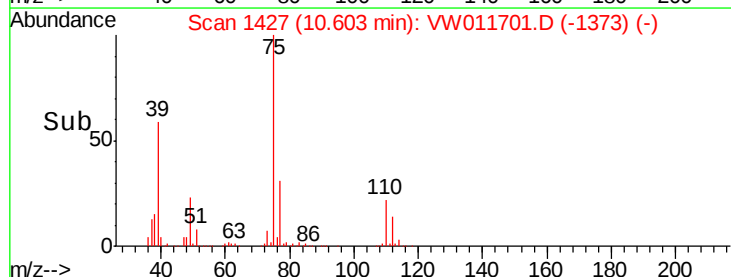
10.60

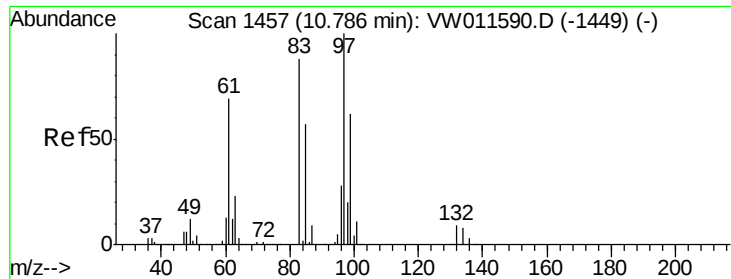
100000

50000

0

Time-->





#46

1,1,2-Trichloroethane

Concen: 25.448 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW011701.D

Acq: 05 Aug 2019 09:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD02507

Tgt Ion: 97 Resp: 116090

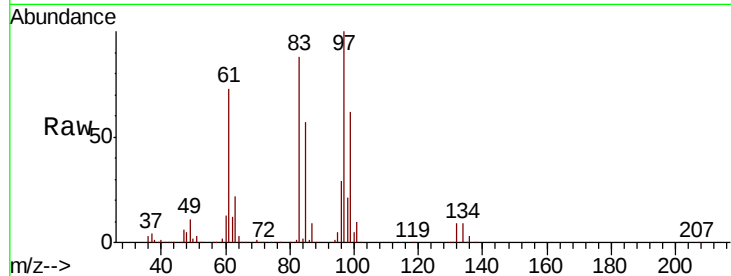
Ion Ratio Lower Upper

97 100

83 87.6 63.8 118.6

85 56.6 39.3 72.9

99 61.7 43.5 80.7



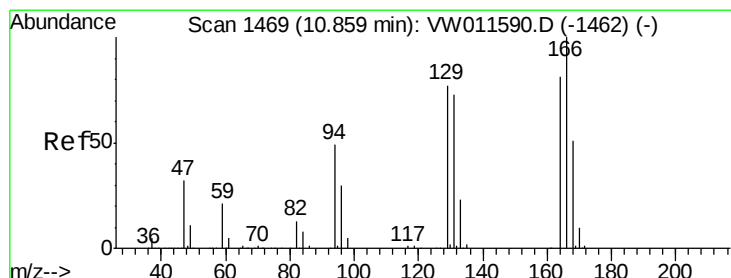
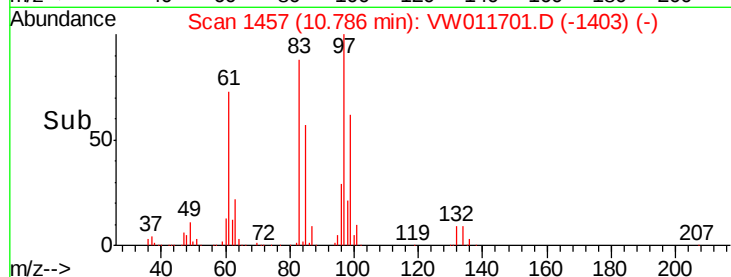
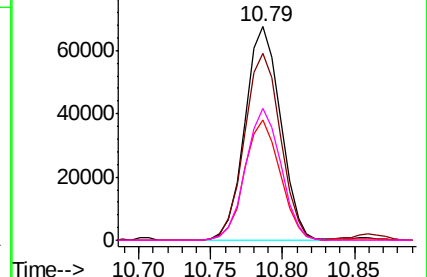
Abundance

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: 25.275 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW011701.D

Acq: 05 Aug 2019 09:56

Tgt Ion: 164 Resp: 122853

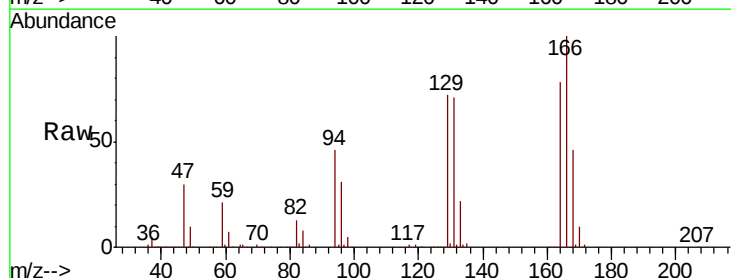
Ion Ratio Lower Upper

164 100

129 91.9 64.0 119.0

131 90.6 58.6 108.8

166 127.6 91.7 170.3



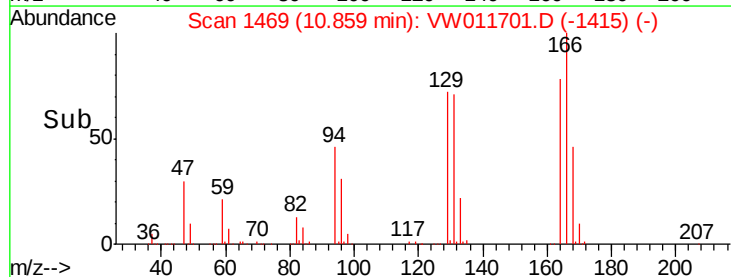
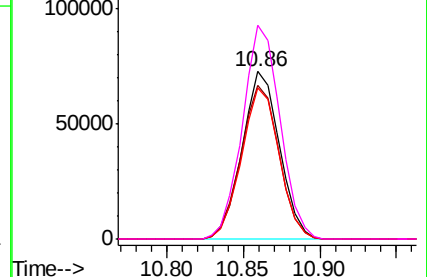
Abundance

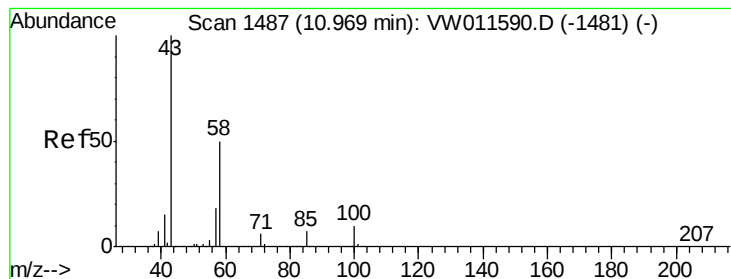
Ion 164.00 (163.70 to 164.70): V

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: 49.450 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW011701.D

Acq: 05 Aug 2019 09:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD02507

Tgt Ion: 43 Resp: 230970

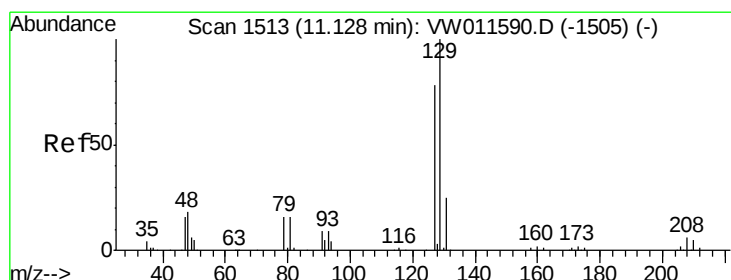
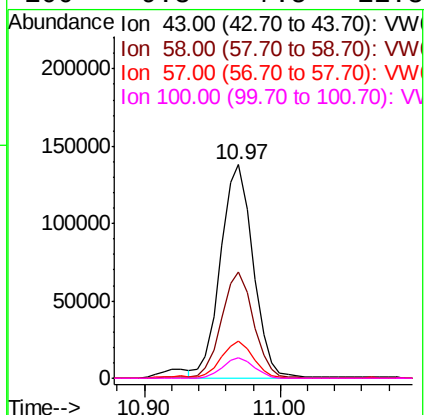
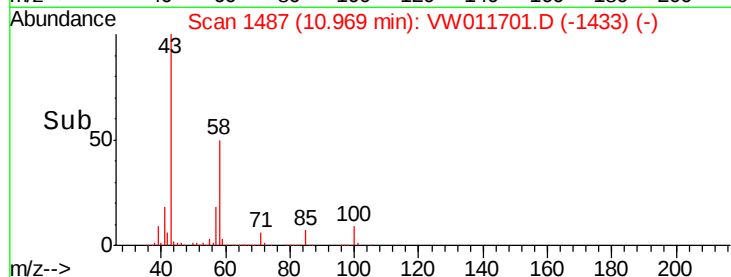
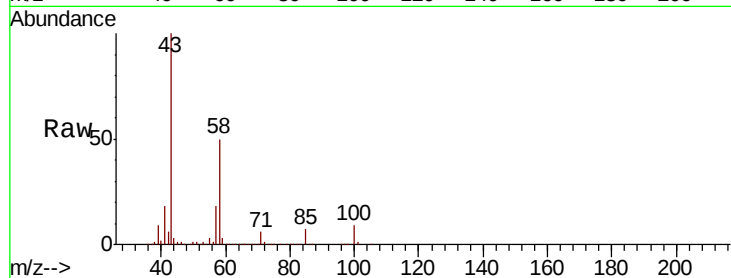
Ion Ratio Lower Upper

43 100

58 48.2 38.6 57.8

57 16.7 13.0 19.6

100 9.3 7.5 11.3



#50

Dibromochloromethane

Concen: 26.178 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW011701.D

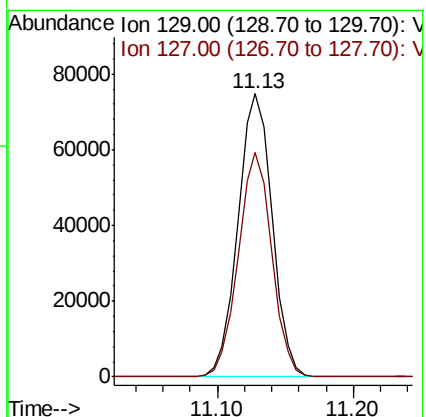
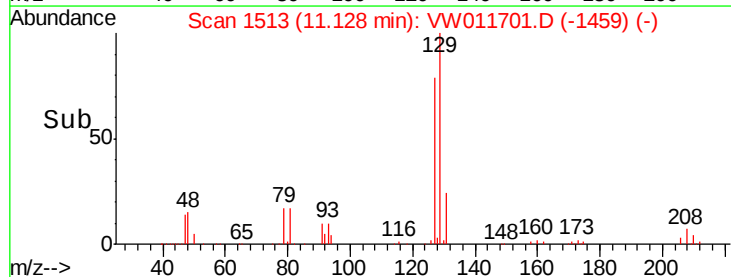
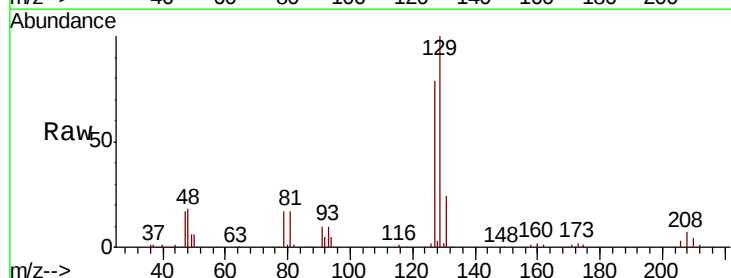
Acq: 05 Aug 2019 09:56

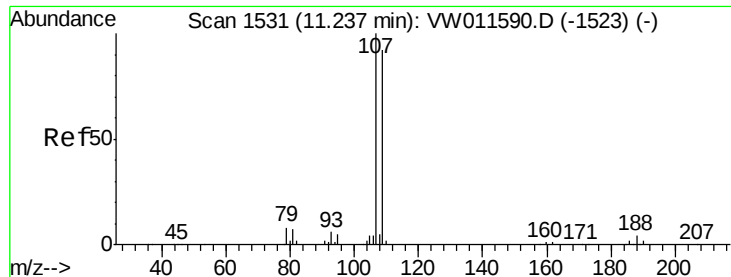
Tgt Ion: 129 Resp: 131632

Ion Ratio Lower Upper

129 100

127 79.3 52.6 97.6

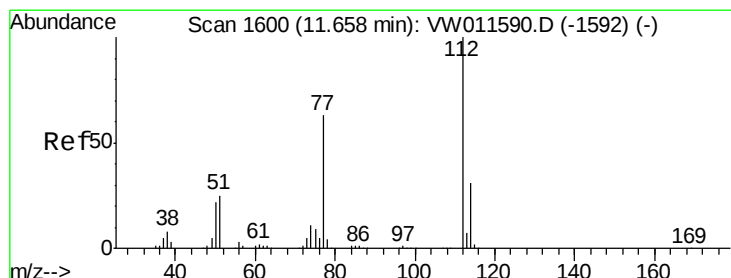
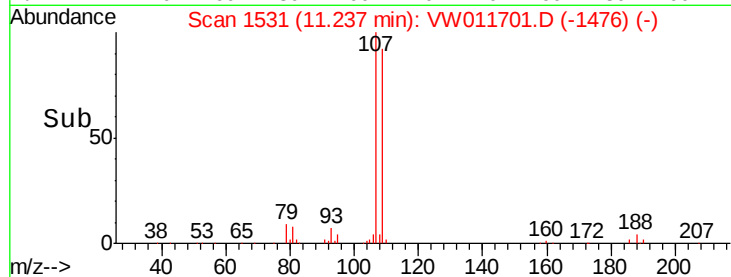
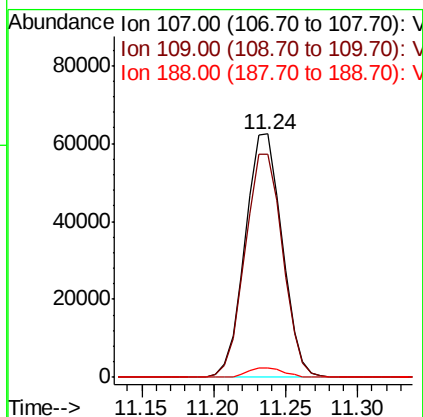
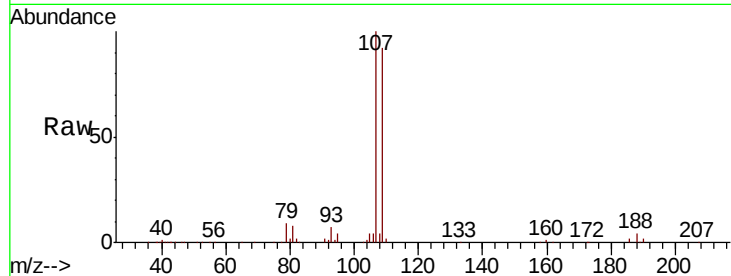




#51
 1,2-Dibromoethane
 Concen: 25.047 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW011701.D
 Acq: 05 Aug 2019 09:56

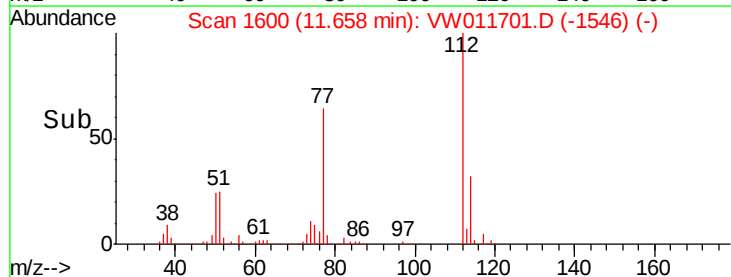
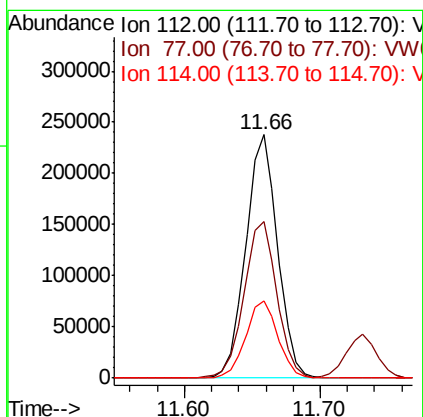
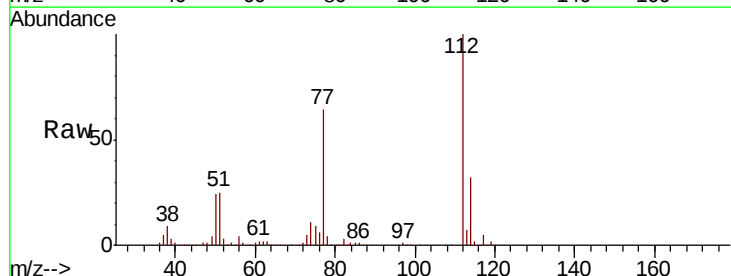
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02507

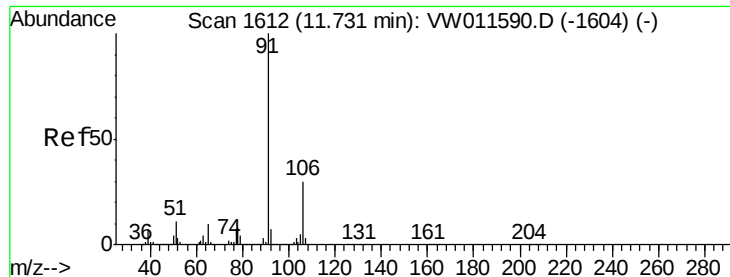
Tgt Ion	Ratio	Lower	Upper
107	100		
109	91.8	66.1	122.8
188	3.9	2.9	4.3



#52
 Chlorobenzene
 Concen: 25.301 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW011701.D
 Acq: 05 Aug 2019 09:56

Tgt Ion	Ratio	Lower	Upper
112	100		
77	64.3	51.0	76.4
114	31.6	22.4	41.6





#53

Ethylbenzene

Concen: 26.103 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW011701.D

Acq: 05 Aug 2019 09:56

Instrument :

MSVOA_W

ClientSampleId :

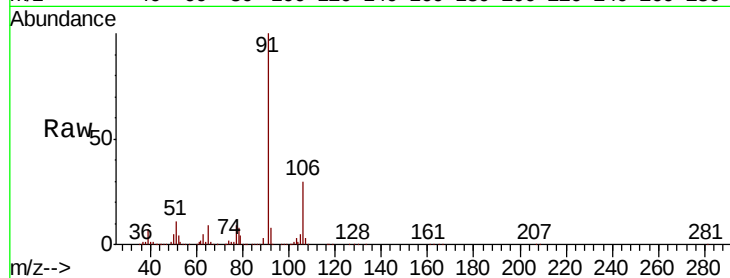
VSTD02507

Tgt Ion: 91 Resp: 741357

Ion Ratio Lower Upper

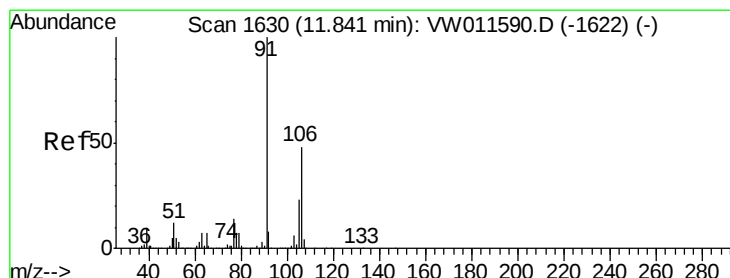
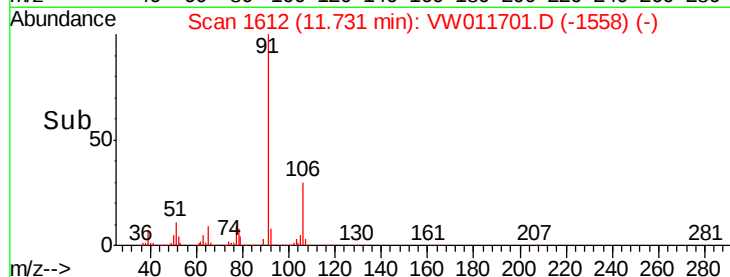
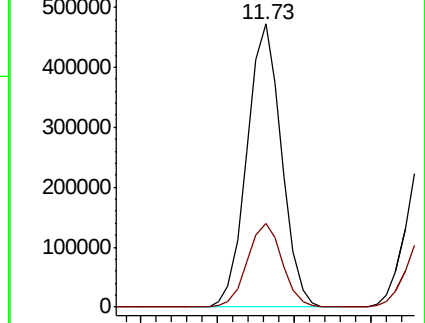
91 100

106 29.8 20.6 38.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 26.063 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW011701.D

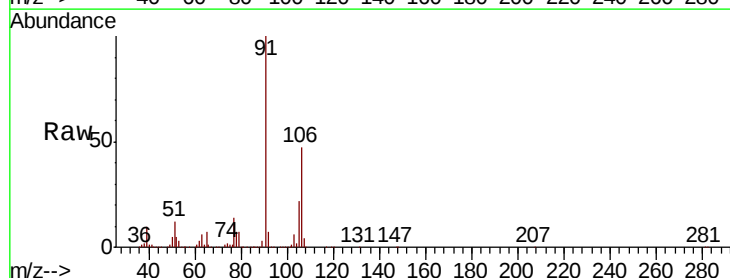
Acq: 05 Aug 2019 09:56

Tgt Ion: 106 Resp: 269158

Ion Ratio Lower Upper

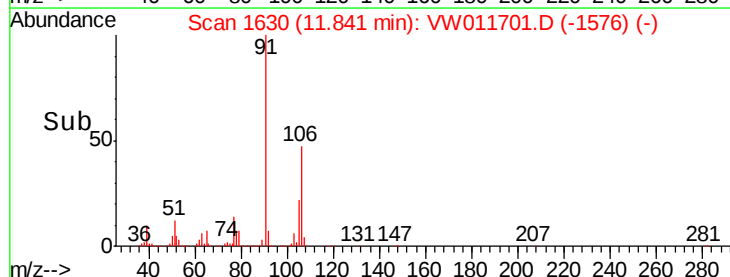
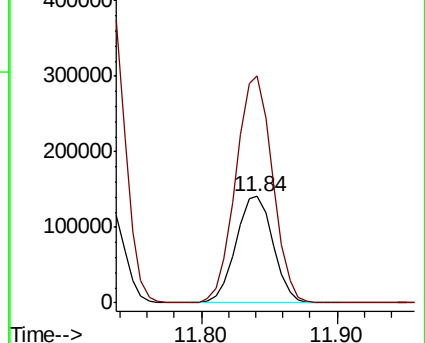
106 100

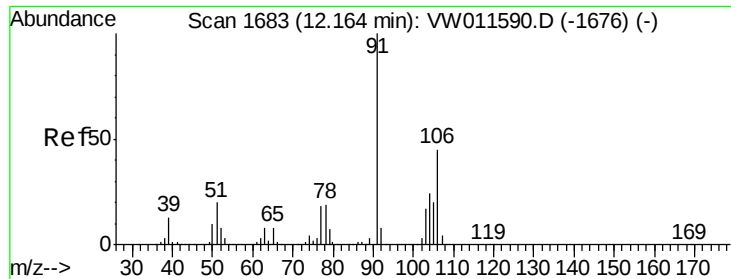
91 213.3 149.6 277.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

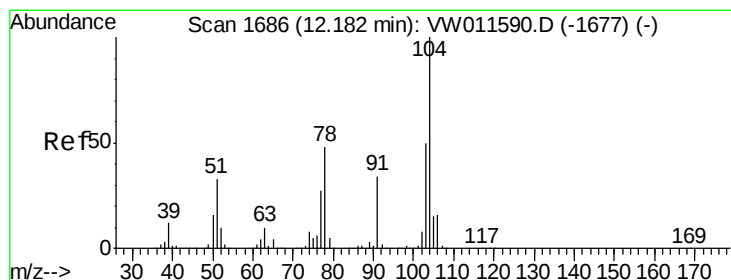
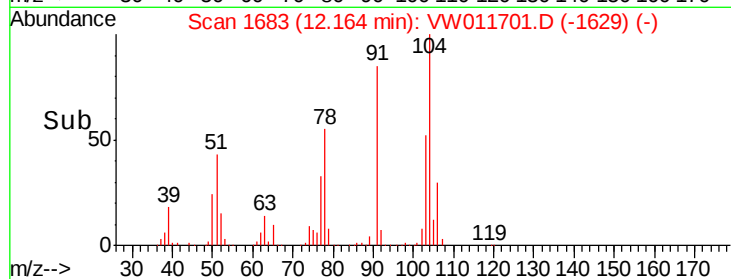
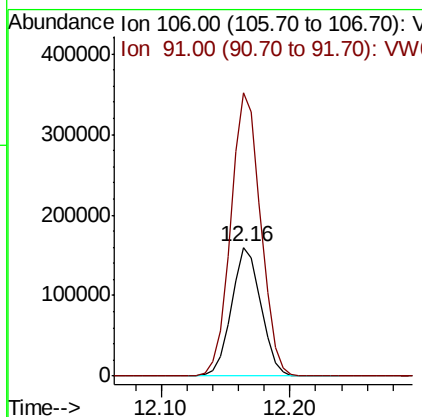
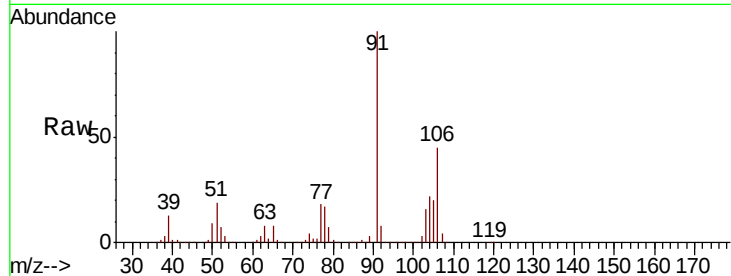




#55
o-xylene
Concen: 26.138 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011701.D
Acq: 05 Aug 2019 09:56

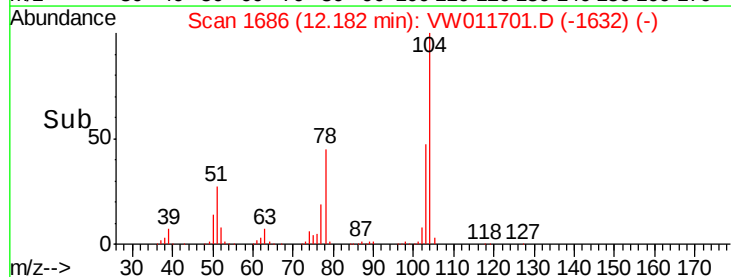
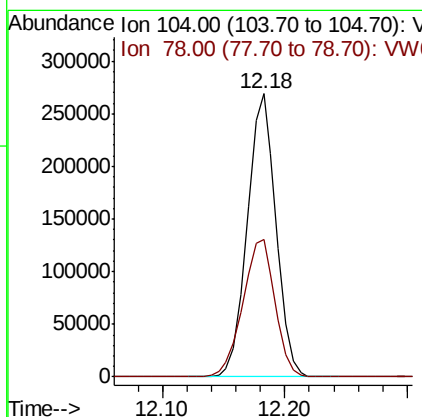
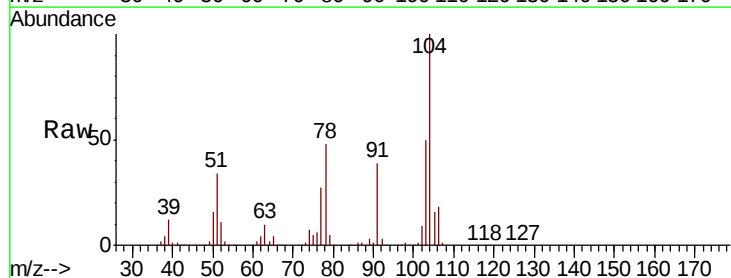
Instrument :
MSVOA_W
ClientSampleId :
VSTD02507

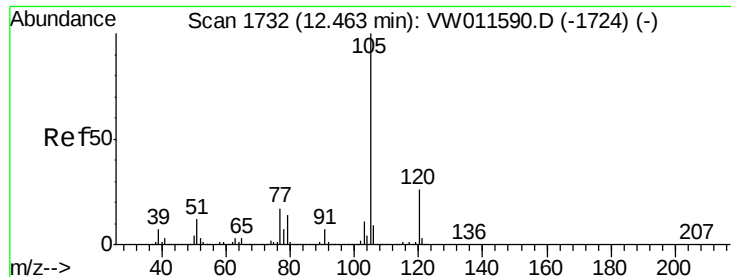
Tgt Ion:106 Resp: 254040
Ion Ratio Lower Upper
106 100
91 220.3 158.3 293.9



#56
Styrene
Concen: 26.517 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011701.D
Acq: 05 Aug 2019 09:56

Tgt Ion:104 Resp: 438155
Ion Ratio Lower Upper
104 100
78 48.4 32.9 61.1





#57

Isopropylbenzene

Concen: 26.219 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011701.D

Acq: 05 Aug 2019 09:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD02507

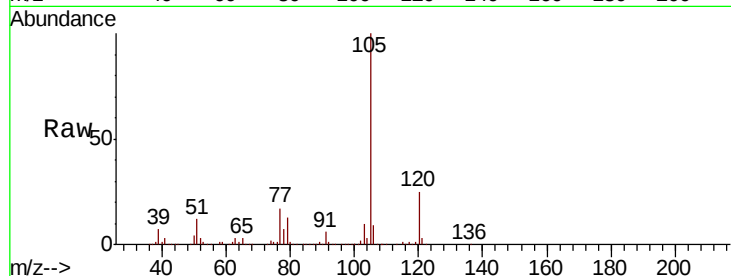
Tgt Ion: 105 Resp: 701054

Ion Ratio Lower Upper

105 100

120 25.3 20.6 30.8

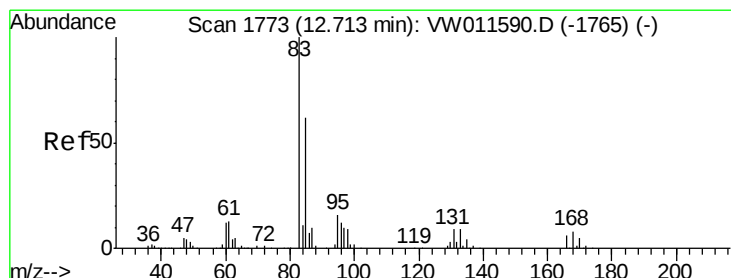
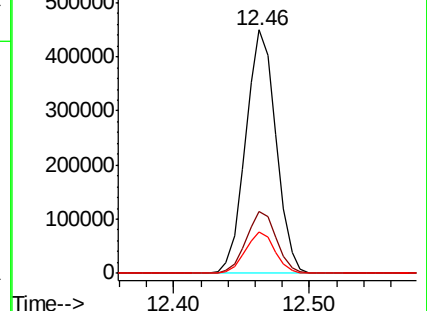
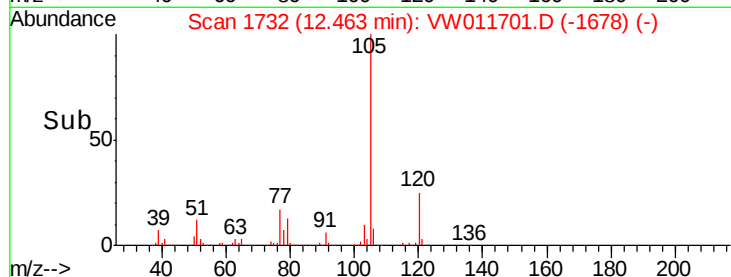
77 16.6 13.4 20.2



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: 24.983 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011701.D

Acq: 05 Aug 2019 09:56

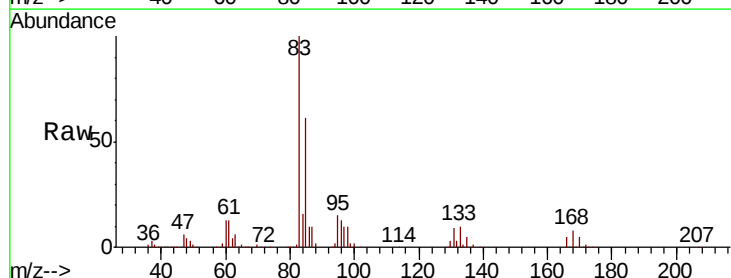
Tgt Ion: 83 Resp: 151453

Ion Ratio Lower Upper

83 100

85 60.9 43.5 80.9

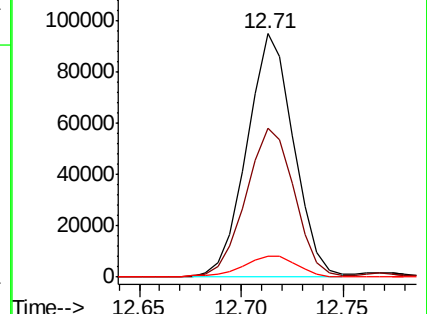
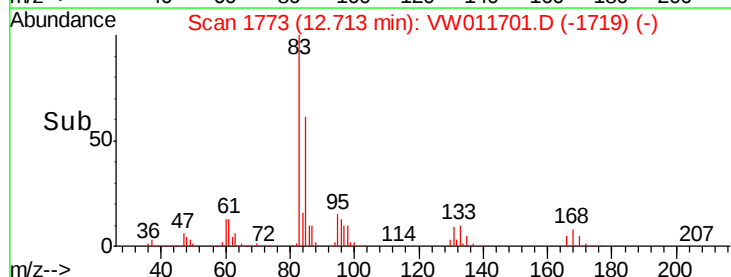
131 8.8 7.5 11.3

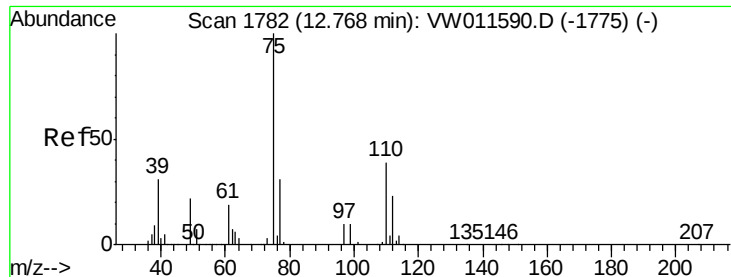


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 24.671 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW011701.D

Acq: 05 Aug 2019 09:56

Instrument :

MSVOA_W

ClientSampleId :

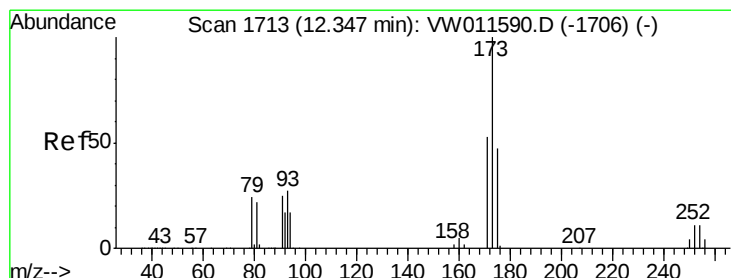
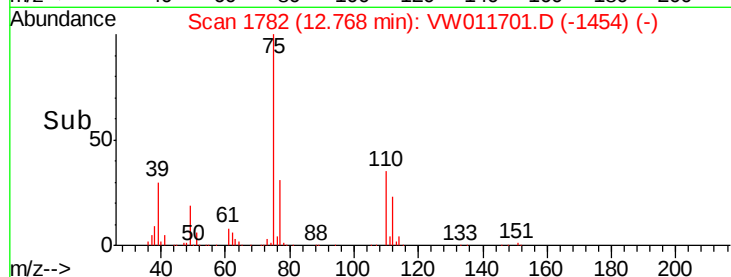
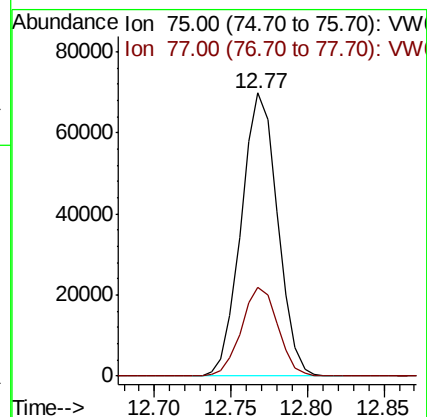
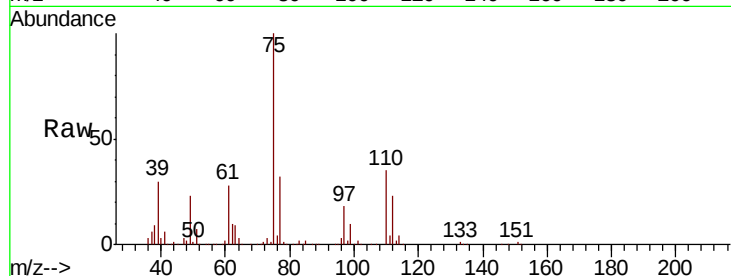
VSTD02507

Tgt Ion: 75 Resp: 115353

Ion Ratio Lower Upper

75 100

77 31.7 25.1 37.7



#62

Bromoform

Concen: 24.767 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW011701.D

Acq: 05 Aug 2019 09:56

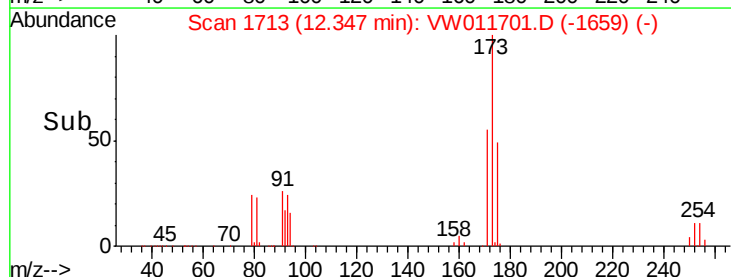
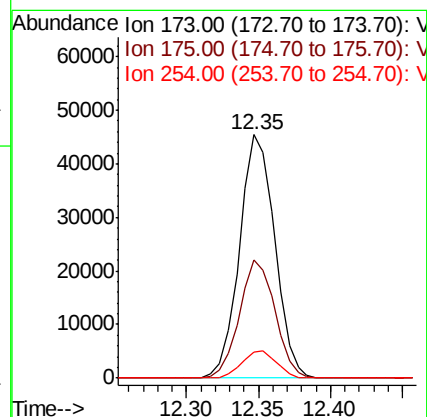
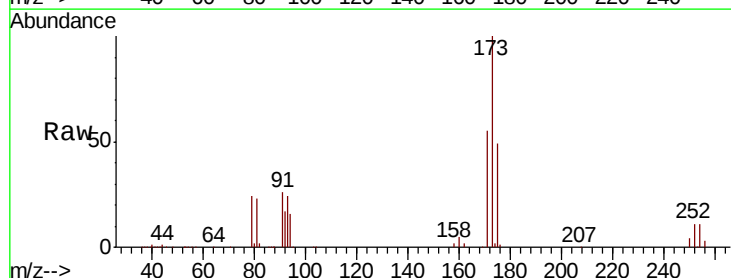
Tgt Ion: 173 Resp: 77156

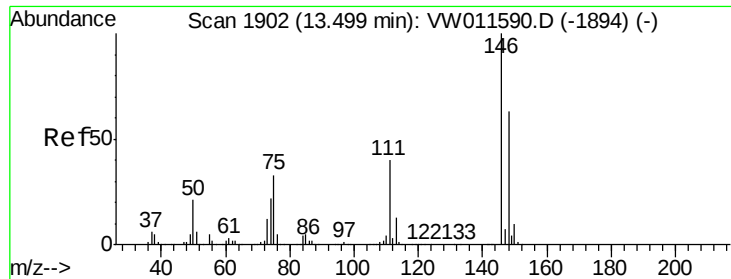
Ion Ratio Lower Upper

173 100

175 49.0 39.4 59.0

254 10.8 9.0 13.6

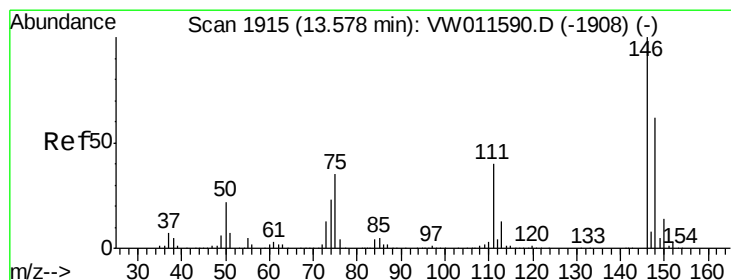
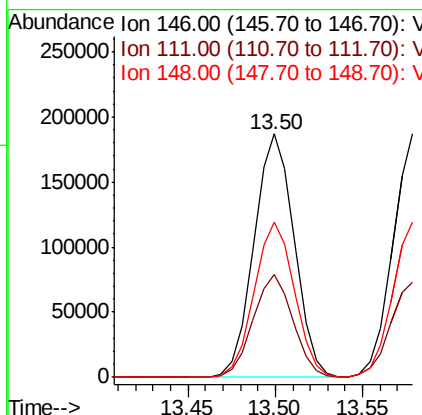
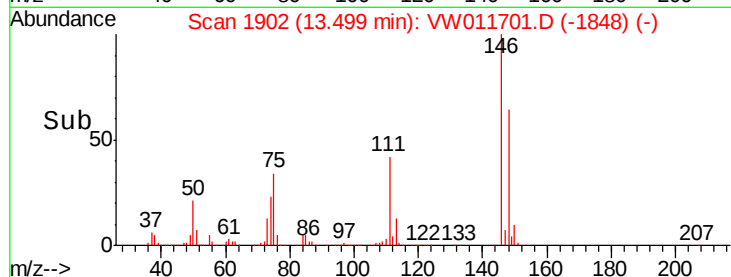
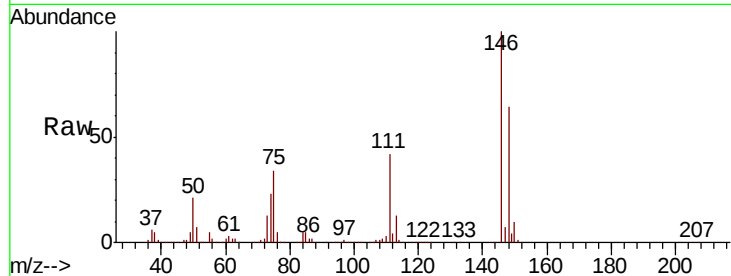




#63
 1,3-Dichlorobenzene
 Concen: 25.186 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011701.D
 Acq: 05 Aug 2019 09:56

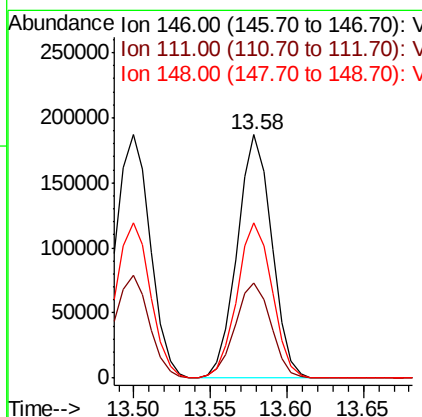
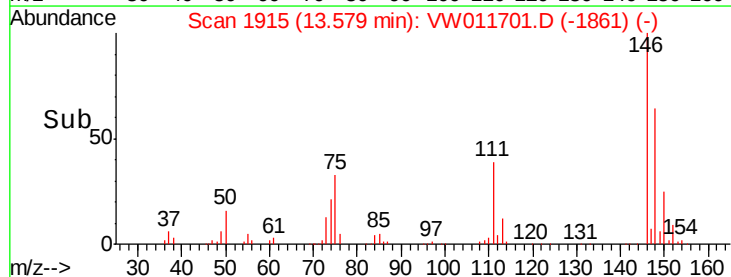
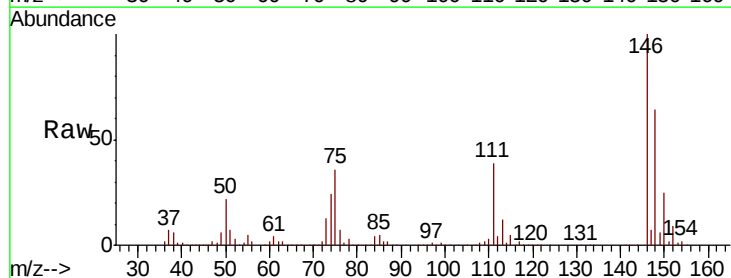
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02507

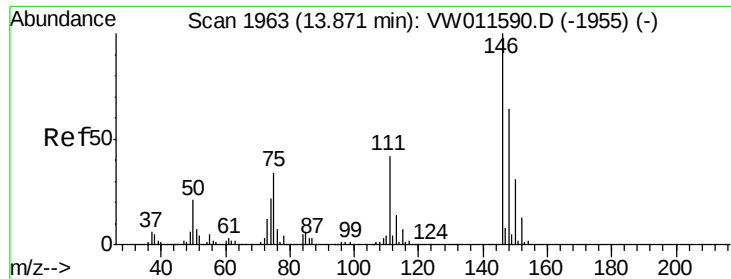
Tgt Ion:146 Resp: 297653
 Ion Ratio Lower Upper
 146 100
 111 42.0 28.6 53.2
 148 63.9 44.4 82.5



#64
 1,4-Dichlorobenzene
 Concen: 24.799 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW011701.D
 Acq: 05 Aug 2019 09:56

Tgt Ion:146 Resp: 294328
 Ion Ratio Lower Upper
 146 100
 111 39.0 27.4 51.0
 148 63.7 44.4 82.5

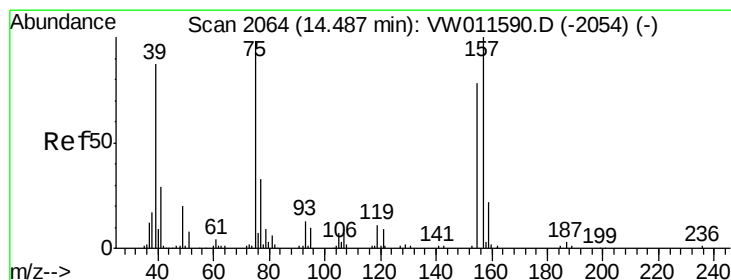
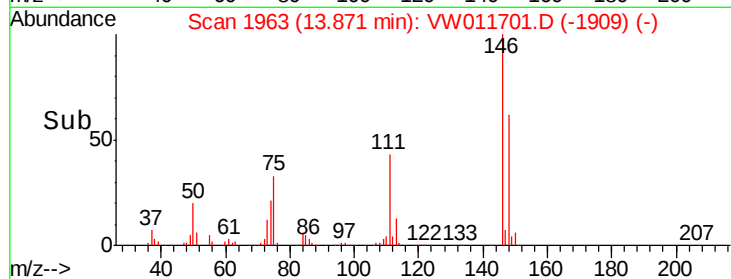
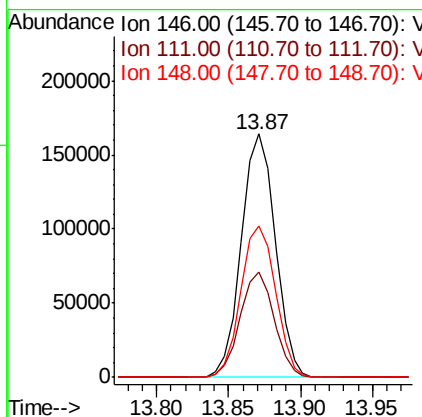
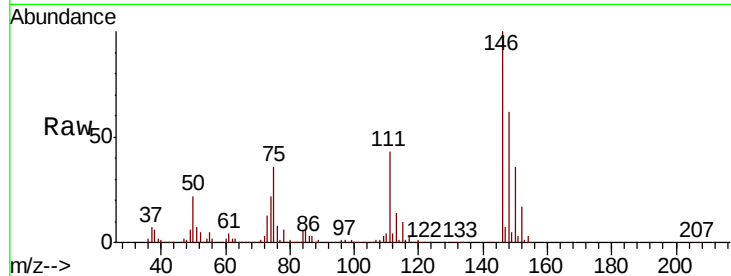




#65
 1,2-Dichlorobenzene
 Concen: 25.151 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011701.D
 Acq: 05 Aug 2019 09:56

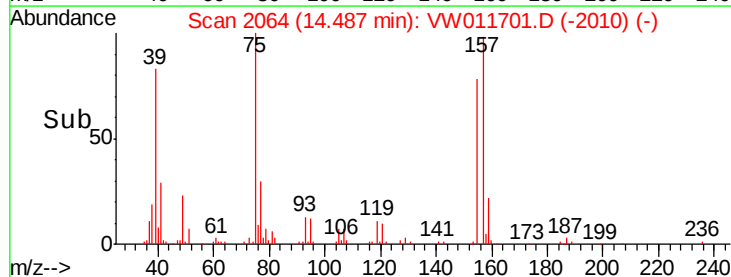
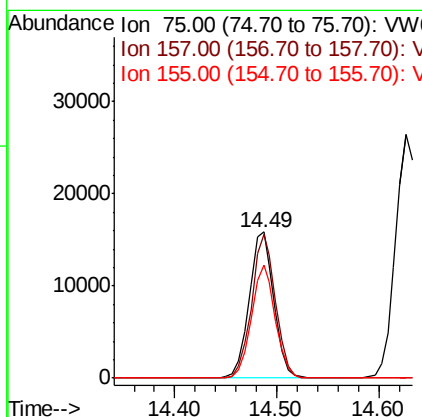
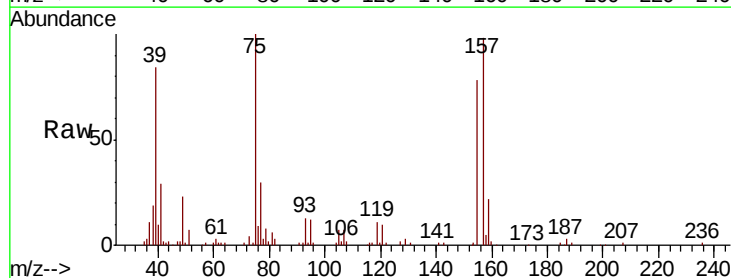
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02507

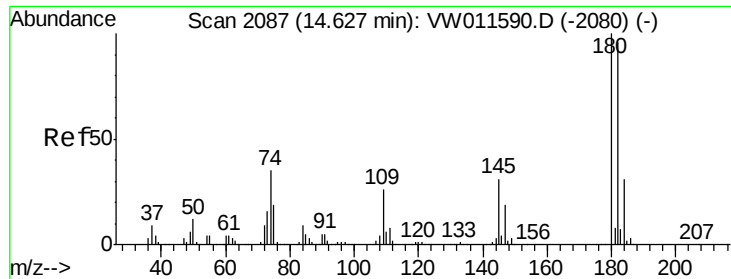
Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.3	34.6	51.8
148	62.5	50.9	76.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 23.981 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW011701.D
 Acq: 05 Aug 2019 09:56

Tgt Ion	Ratio	Lower	Upper
75	100		
157	98.5	79.3	118.9
155	77.6	59.9	89.9

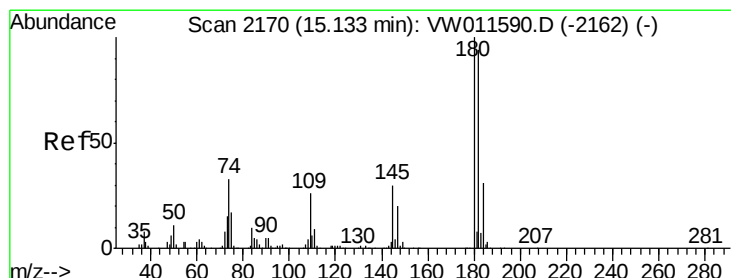
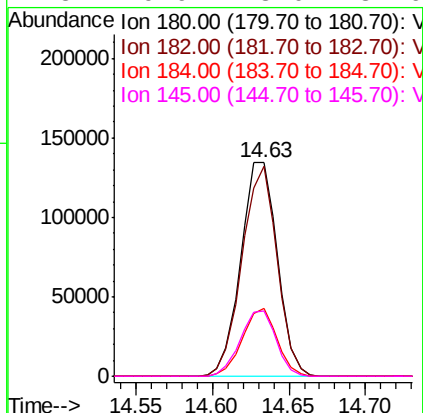
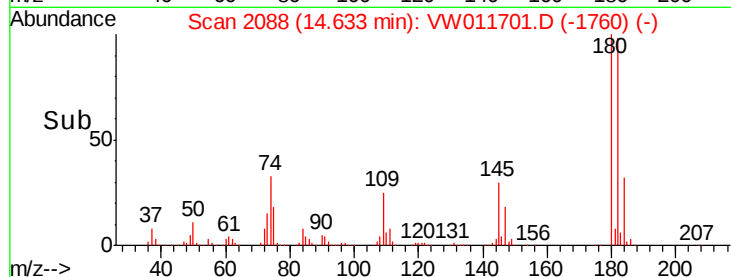
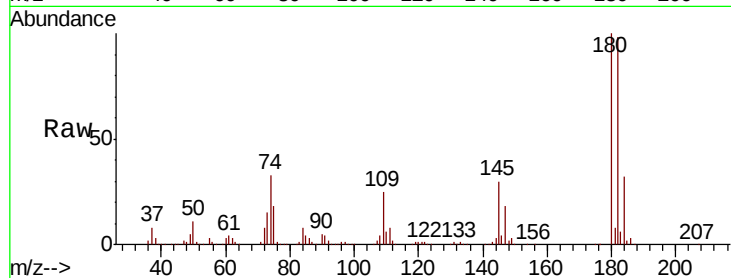




#67
 1,3,5-Trichlorobenzene
 Concen: 25.762 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW011701.D
 Acq: 05 Aug 2019 09:56

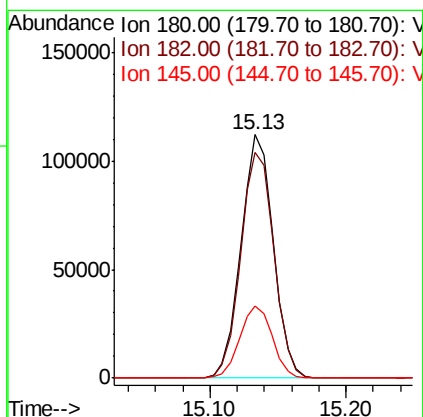
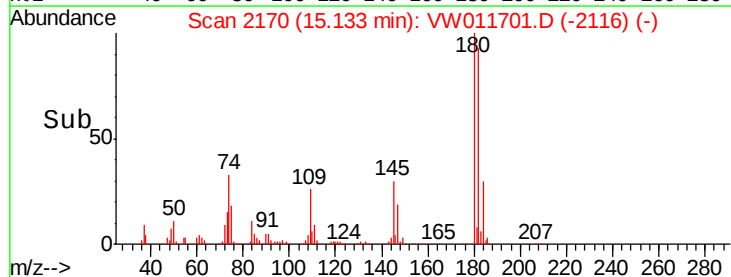
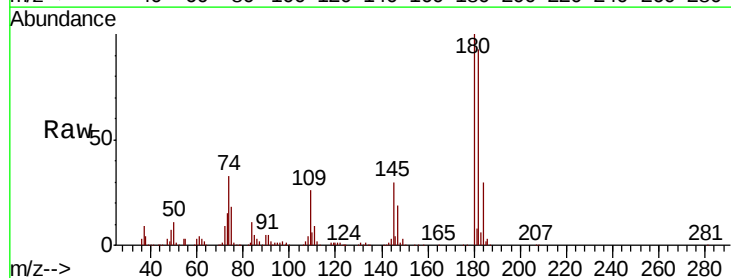
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02507

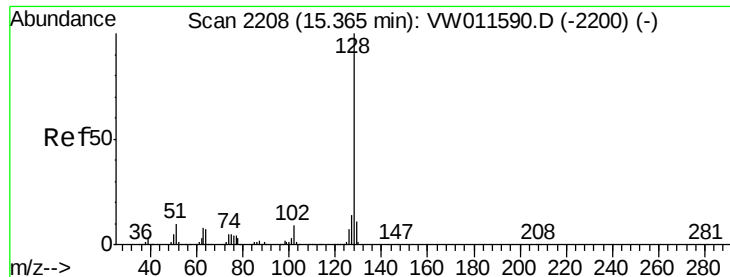
Tgt Ion:	180	Resp:	224100
Ion	Ratio	Lower	Upper
180	100		
182	93.9	75.9	113.9
184	30.1	24.2	36.2
145	29.9	23.0	34.6



#68
 1,2,4-trichlorobenzene
 Concen: 26.487 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW011701.D
 Acq: 05 Aug 2019 09:56

Tgt Ion:	180	Resp:	185558
Ion	Ratio	Lower	Upper
180	100		
182	95.6	77.3	115.9
145	29.9	24.3	36.5





#69

Naphthalene

Concen: 26.135 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011701.D

Acq: 05 Aug 2019 09:56

Instrument :

MSVOA_W

ClientSampled :

VSTD02507

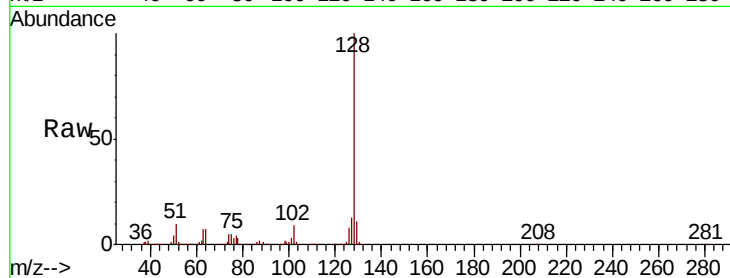
Tgt Ion:128 Resp: 368711

Ion Ratio Lower Upper

128 100

129 10.7 8.7 13.1

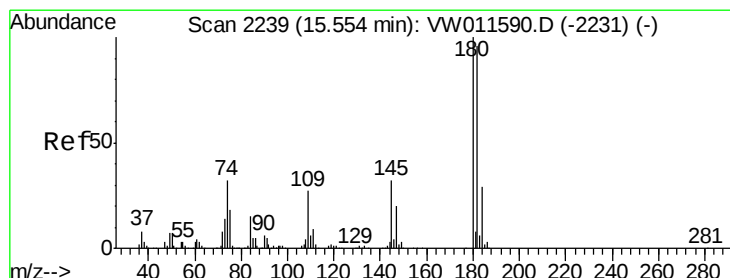
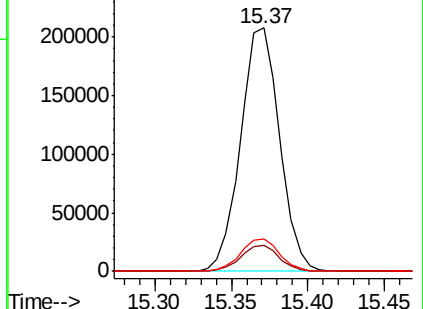
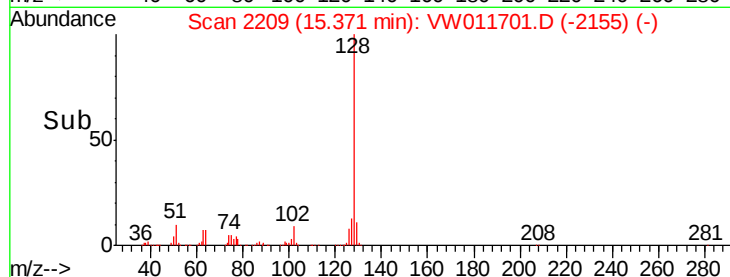
127 13.3 10.6 16.0



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: 25.427 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW011701.D

Acq: 05 Aug 2019 09:56

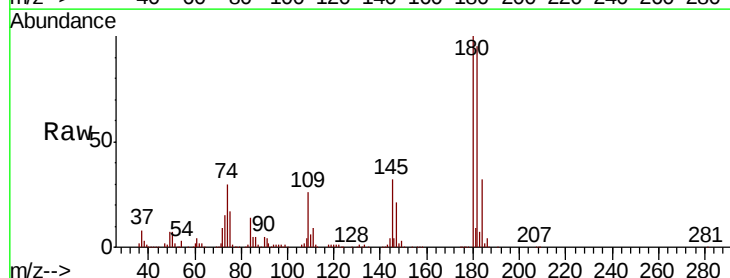
Tgt Ion:180 Resp: 164978

Ion Ratio Lower Upper

180 100

182 96.1 74.9 112.3

145 32.0 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

