

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081119\
 Data File : VW011802.D
 Acq On : 09 Aug 2019 09:56
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

Quant Time: Aug 10 03:42:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 09 02:27:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	357886	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	313799	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	151707	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	93416	18.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.16%
7) Chloroethane-d5	2.89	69	74729	20.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.36%
10) 1,1-Dichloroethene-d2	4.02	63	257649	22.30	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	89.20%
20) 2-Butanone-d5	7.09	46	93120	41.04	ug/L	0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	82.08%
24) Chloroform-d	7.65	84	225164	22.91	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.64%
26) 1,2-Dichloroethane-d4	8.30	65	133153	22.89	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.56%
29) Benzene-d6	8.27	84	439259	22.26	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.04%
33) 1,2-Dichloropropane-d6	9.27	67	146762	23.04	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.16%
37) Toluene-d8	10.32	98	387136	22.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.44%
38) trans-1,3-Dichloropropene-	10.58	79	60517	21.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.72%
39) 2-Hexanone-d5	10.93	63	63447	42.64	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.28%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	117547	22.22	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	88.88%
61) 1,2-Dichlorobenzene-d4	13.85	152	128383	21.96	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	87.84%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	104869	26.146	ug/L 94
3) Chloromethane	2.21	50	124879	23.936	ug/L 99
5) Vinyl chloride	2.35	62	171882	25.822	ug/L 98
6) Bromomethane	2.78	94	83606	26.642	ug/L 98
8) Chloroethane	2.92	64	91083	26.163	ug/L 99
9) Trichlorofluoromethane	3.25	101	100953	29.772	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	143420	27.899	ug/L 97
12) 1,1-Dichloroethene	4.03	96	138773	26.998	ug/L 96
13) Acetone	4.17	43	107364	44.178	ug/L 98
14) Carbon disulfide	4.38	76	426174	25.456	ug/L 96
15) Methyl Acetate	4.68	43	95588	24.056	ug/L 100
16) Methylene chloride	4.92	84	150212	26.896	ug/L 96
17) Methyl tert-butyl Ether	5.42	73	238116	27.818	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	144884	27.282	ug/L 99
19) 1,1-Dichloroethane	6.21	63	300390	28.315	ug/L 100
21) 2-Butanone	7.18	43	139665	45.837	ug/L 99
22) cis-1,2-Dichloroethene	7.16	96	155655	28.016	ug/L 99

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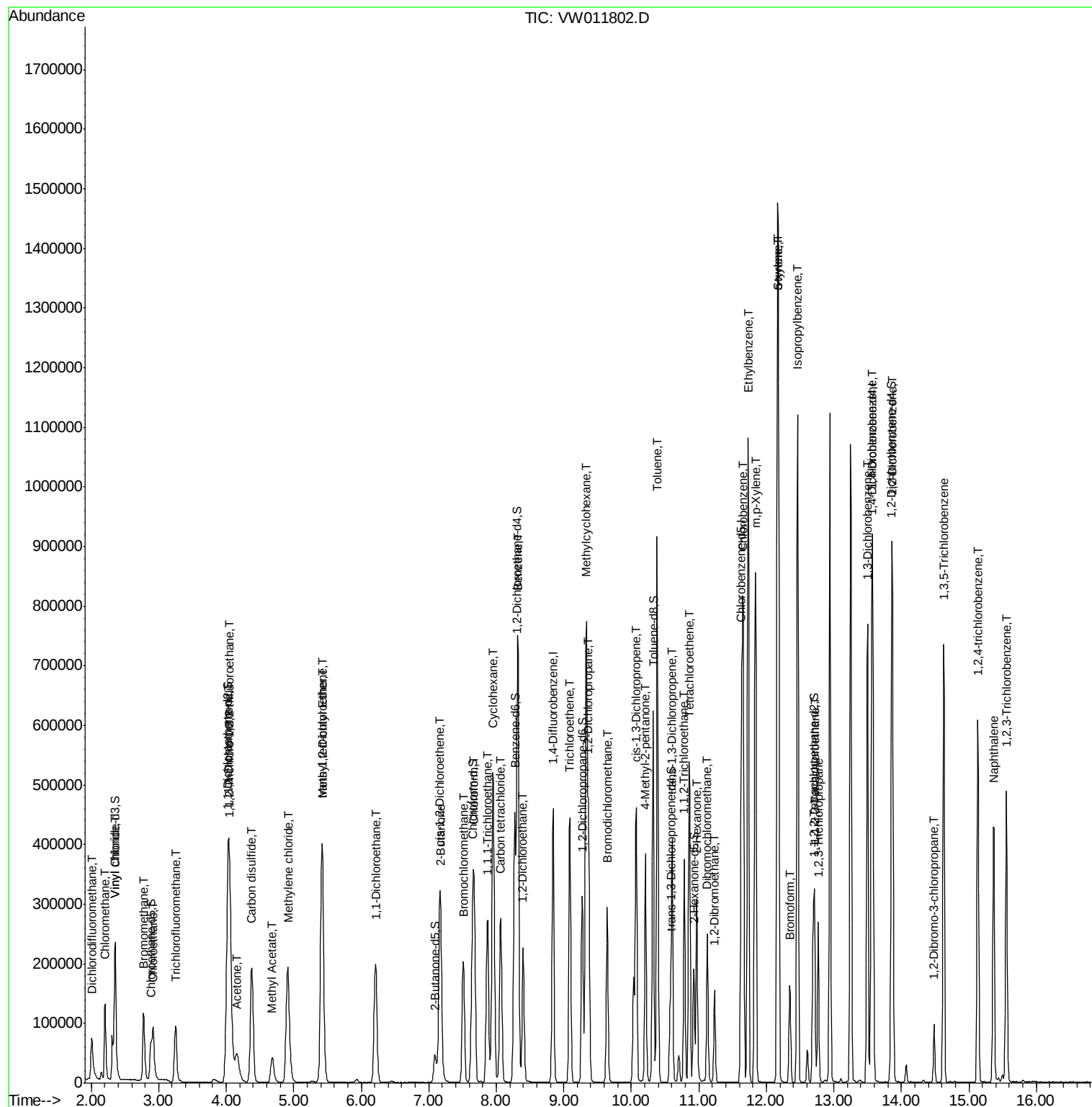
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	64093	27.112	ug/L	97
25) Chloroform	7.67	83	275886	28.214	ug/L	99
27) 1,2-Dichloroethane	8.40	62	205040	28.325	ug/L	99
30) Cyclohexane	7.95	56	305330	27.992	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	219904	28.760	ug/L	99
32) Carbon tetrachloride	8.07	117	204562	28.438	ug/L	100
34) Benzene	8.32	78	624546	28.401	ug/L	100
35) Trichloroethene	9.09	95	156494	28.033	ug/L	99
36) Methylcyclohexane	9.34	83	285768	28.217	ug/L	99
40) 1,2-Dichloropropane	9.37	63	167496	28.535	ug/L	100
41) Bromodichloromethane	9.64	83	199124	28.748	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	254280	28.962	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	272790	51.292	ug/L	100
44) Toluene	10.38	91	644225	28.836	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	207570	28.415	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	110045	27.498	ug/L	97
47) Tetrachloroethene	10.86	164	118562	27.805	ug/L	95
49) 2-Hexanone	10.97	43	202220	49.353	ug/L	98
50) Dibromochloromethane	11.13	129	126205	28.611	ug/L	97
51) 1,2-Dibromoethane	11.23	107	105772	27.161	ug/L	99
52) Chlorobenzene	11.66	112	379977	28.190	ug/L	99
53) Ethylbenzene	11.73	91	721916	28.975	ug/L	99
54) m,p-Xylene	11.84	106	262810	29.009	ug/L	100
55) o-xylene	12.16	106	246806	28.947	ug/L	95
56) Styrene	12.18	104	426330	29.411	ug/L	97
57) Isopropylbenzene	12.46	105	685165	29.210	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	143381	26.960	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	107726	26.263	ug/L	98
62) Bromoform	12.35	173	72507	26.714	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	290487	28.212	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	289196	27.968	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	259040	27.783	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	24724	25.621	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	219216	28.926	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	180125	29.512	ug/L	100
69) Naphthalene	15.37	128	355181	28.897	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	164787	29.151	ug/L	98

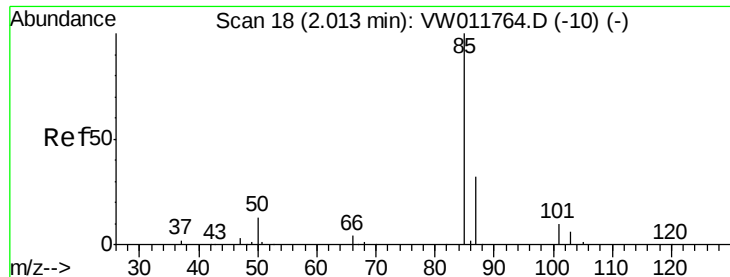
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 26.146 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW011802.D

Acq: 09 Aug 2019 09:56

Instrument :

MSVOA_W

ClientSampleId :

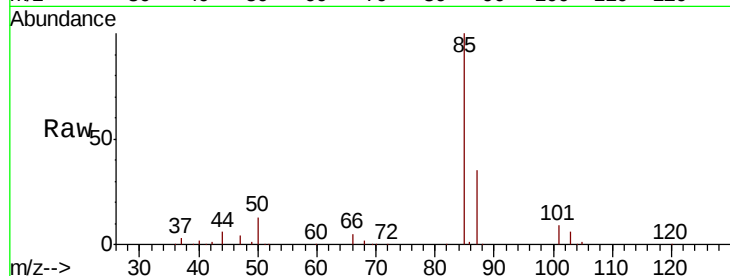
VSTD02510

Tgt Ion: 85 Resp: 104869

Ion Ratio Lower Upper

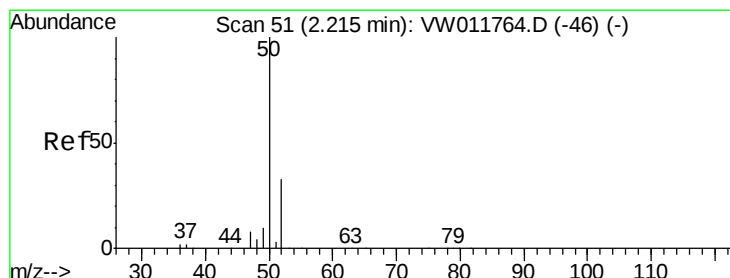
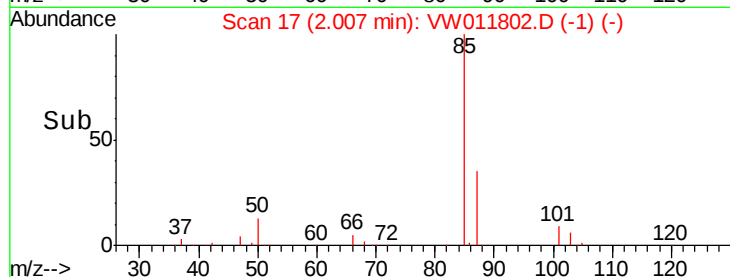
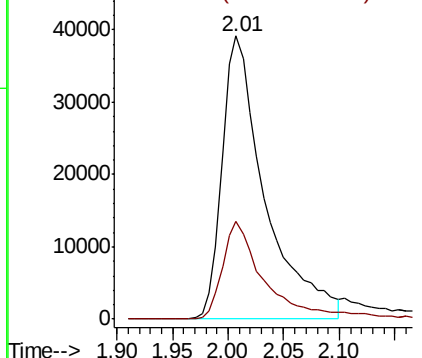
85 100

87 34.4 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: 23.936 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW011802.D

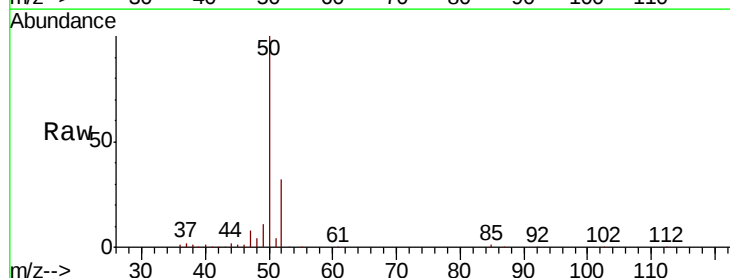
Acq: 09 Aug 2019 09:56

Tgt Ion: 50 Resp: 124879

Ion Ratio Lower Upper

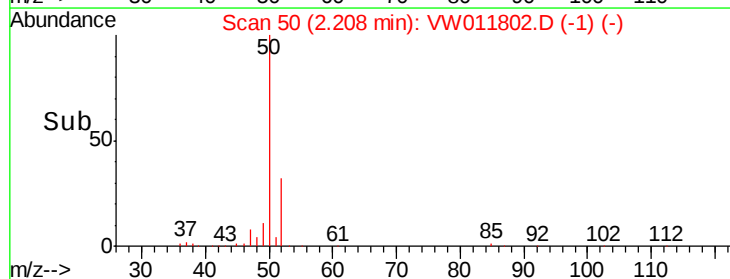
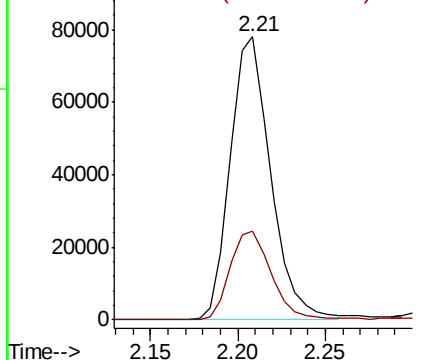
50 100

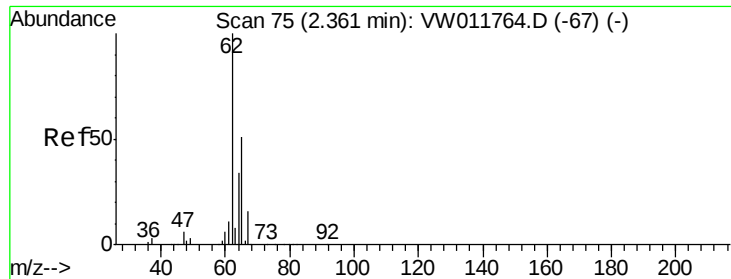
52 31.6 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 25.822 ug/L

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011802.D

Acq: 09 Aug 2019 09:56

Instrument :

MSVOA_W

ClientSampleId :

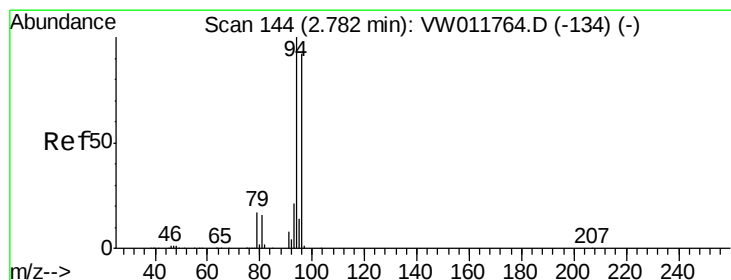
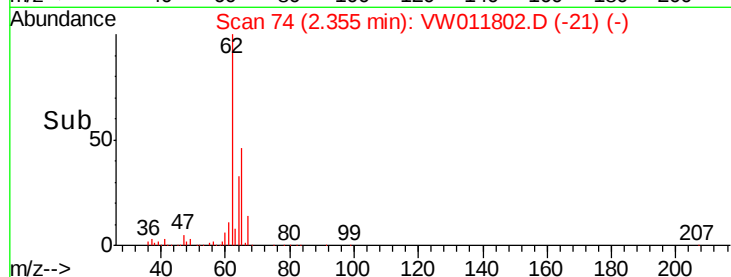
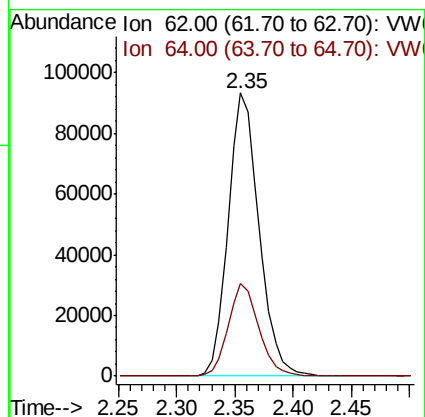
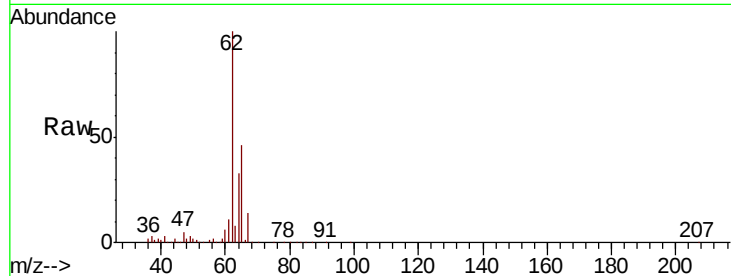
VSTD02510

Tgt Ion: 62 Resp: 171882

Ion Ratio Lower Upper

62 100

64 32.8 23.6 43.8



#6

Bromomethane

Concen: 26.642 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW011802.D

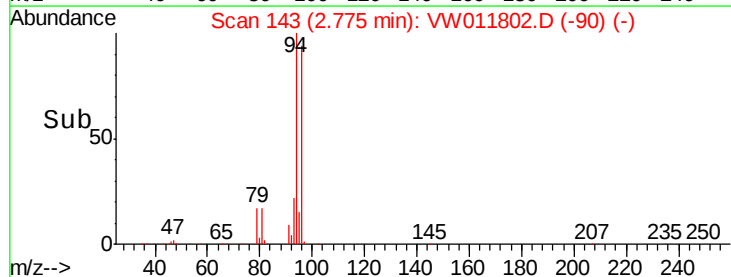
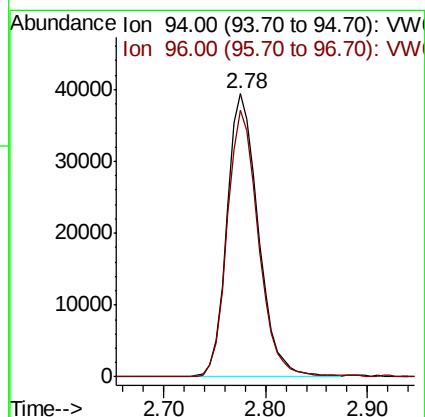
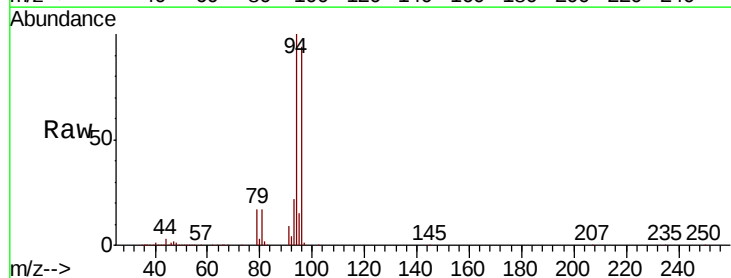
Acq: 09 Aug 2019 09:56

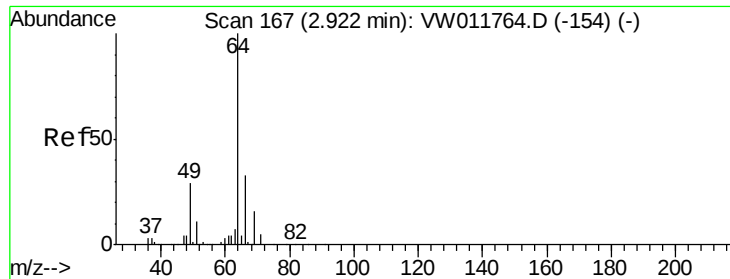
Tgt Ion: 94 Resp: 83606

Ion Ratio Lower Upper

94 100

96 94.2 9.3 175.9

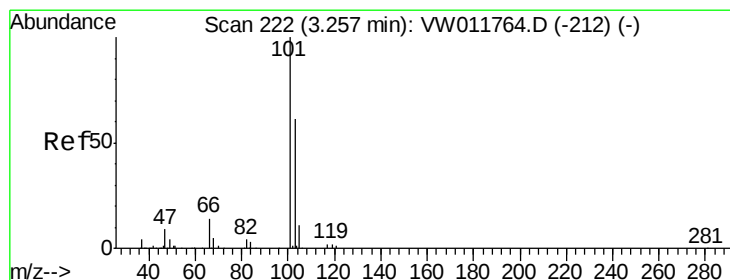
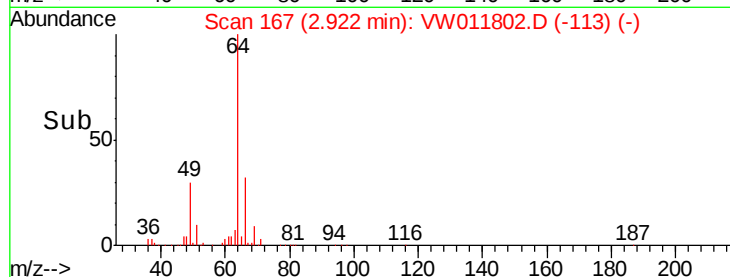
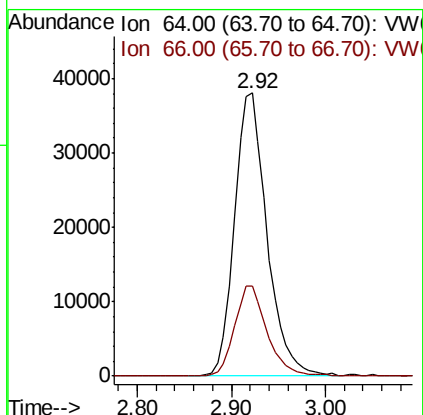
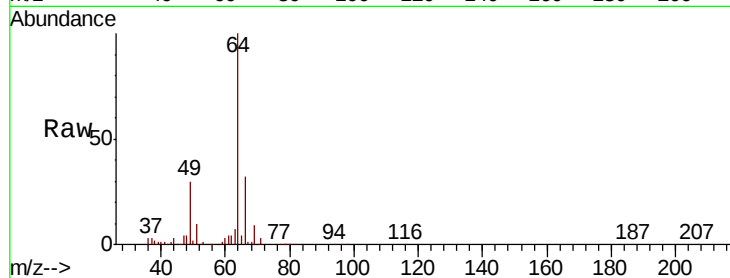




#8
Chloroethane
Concen: 26.163 ug/L
RT: 2.92 min Scan# 167
Delta R.T. -0.00 min
Lab File: VW011802.D
Acq: 09 Aug 2019 09:56

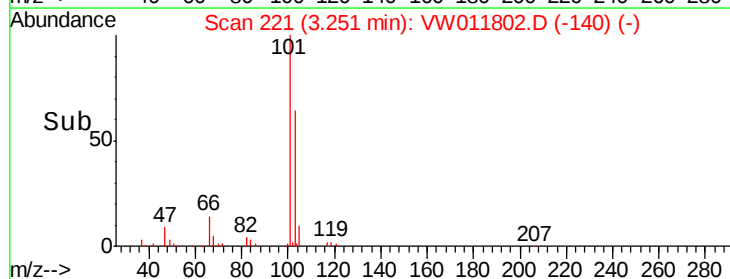
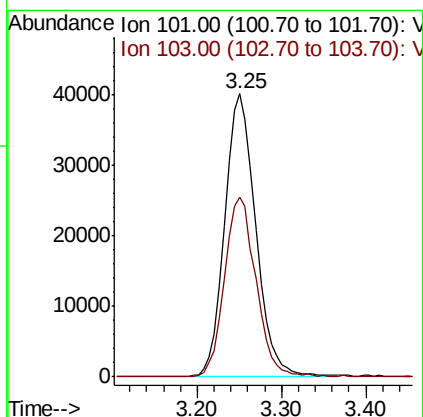
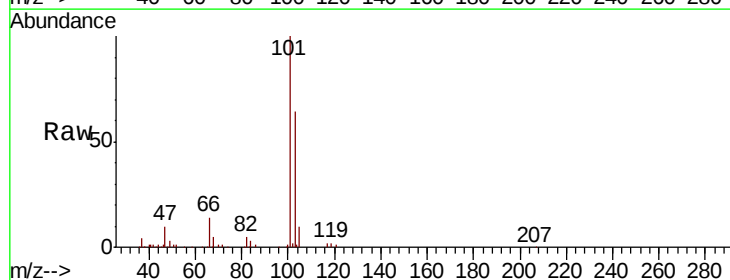
Instrument :
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VSTD02510

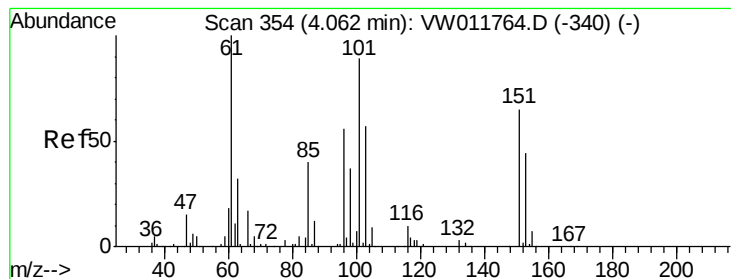
Tgt Ion: 64 Resp: 91083
Ion Ratio Lower Upper
64 100
66 31.8 22.0 40.8



#9
Trichlorofluoromethane
Concen: 29.772 ug/L
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW011802.D
Acq: 09 Aug 2019 09:56

Tgt Ion: 101 Resp: 100953
Ion Ratio Lower Upper
101 100
103 63.7 44.3 82.3





#11

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

Concen: 27.899 ug/L

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW011802.D

Acq: 09 Aug 2019 09:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD02510

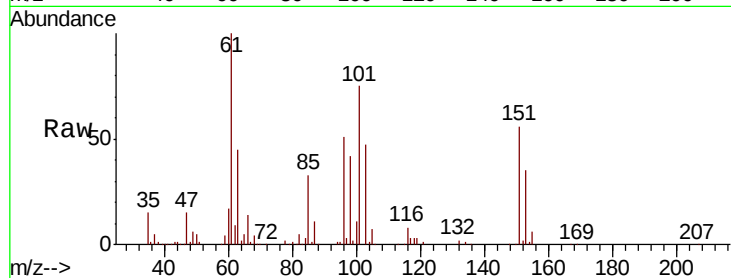
Tgt Ion:101 Resp: 143420

Ion Ratio Lower Upper

101 100

85 45.4 37.0 55.4

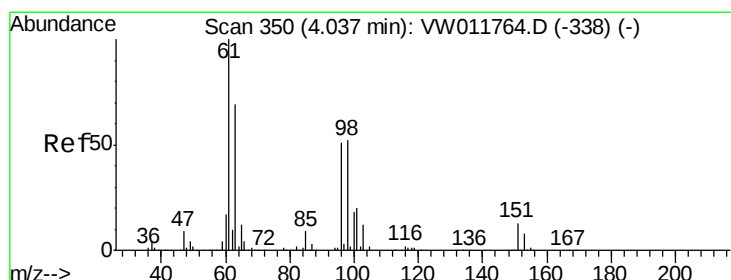
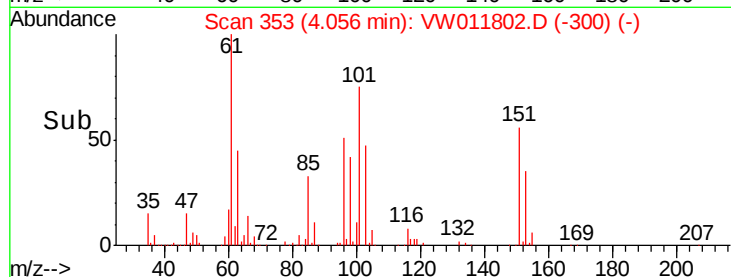
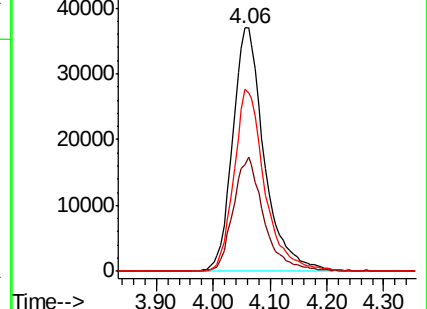
151 73.0 60.8 91.2



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: 26.998 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW011802.D

Acq: 09 Aug 2019 09:56

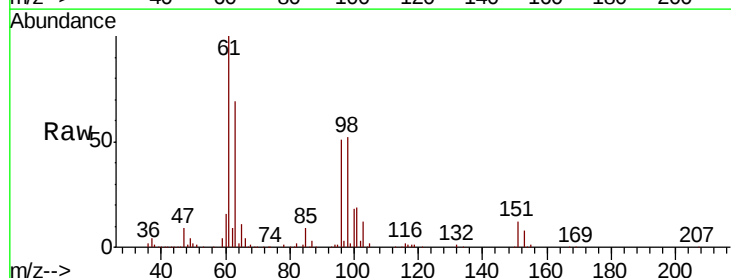
Tgt Ion: 96 Resp: 138773

Ion Ratio Lower Upper

96 100

61 196.8 135.0 250.8

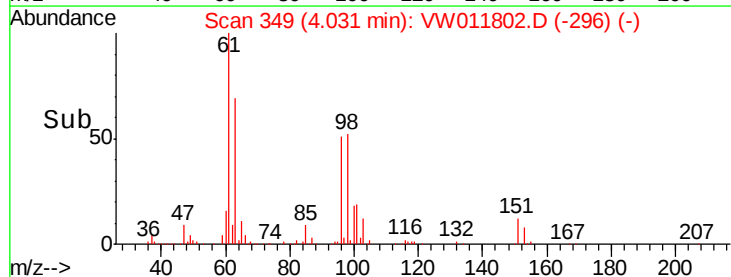
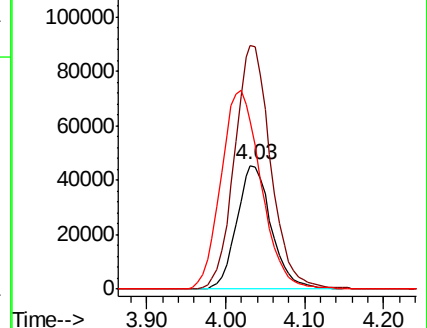
63 135.8 89.2 165.8

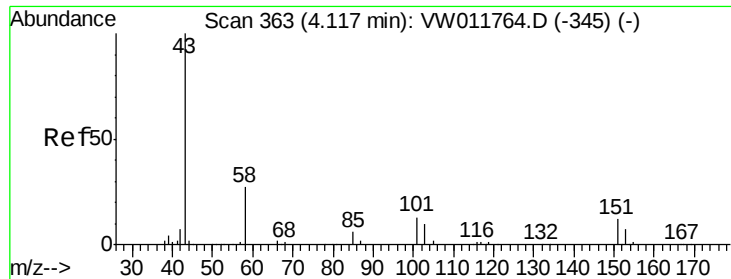


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 44.178 ug/L

RT: 4.17 min Scan# 371

Delta R.T. 0.05 min

Lab File: VW011802.D

Acq: 09 Aug 2019 09:56

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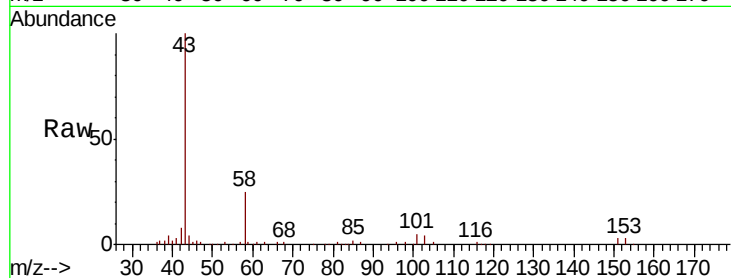
VSTD02510

Tgt Ion: 43 Resp: 107364

Ion Ratio Lower Upper

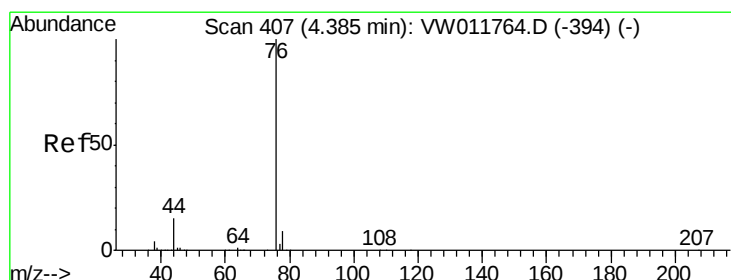
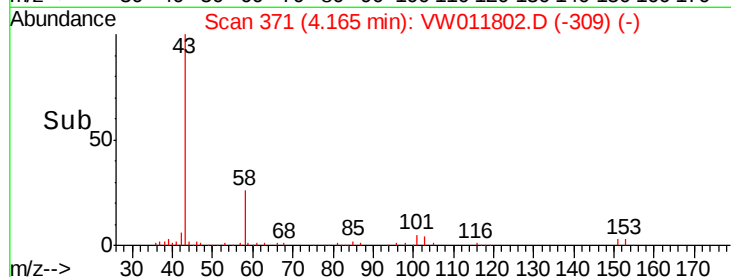
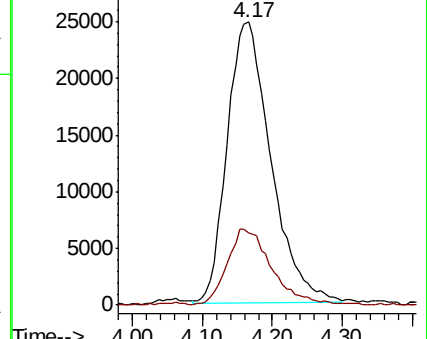
43 100

58 27.7 0.0 53.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 25.456 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW011802.D

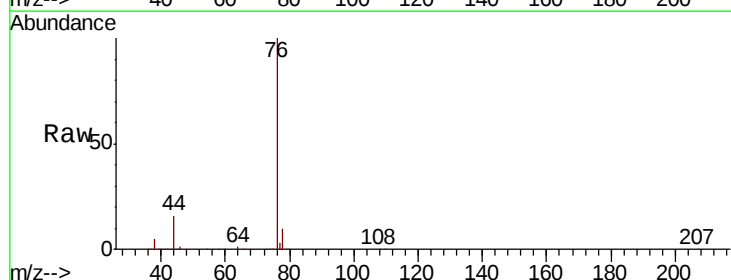
Acq: 09 Aug 2019 09:56

Tgt Ion: 76 Resp: 426174

Ion Ratio Lower Upper

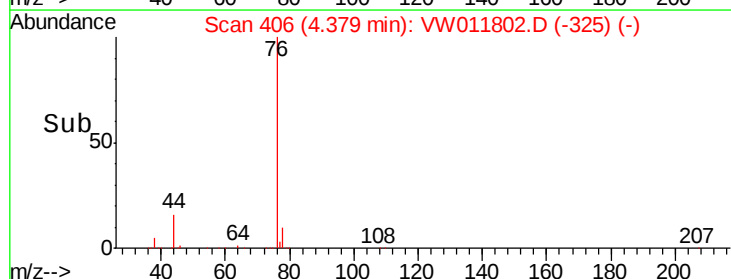
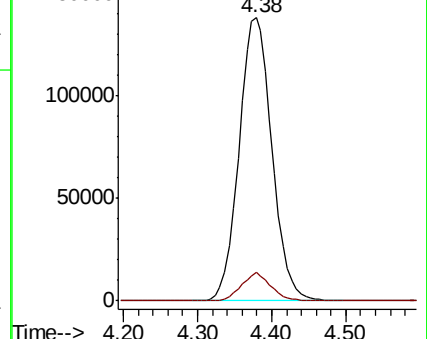
76 100

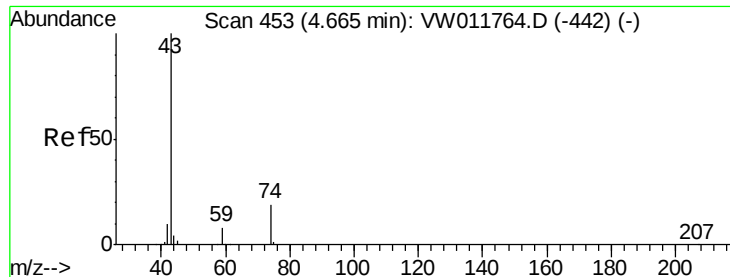
78 10.1 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





#15

Methyl Acetate

Concen: 24.056 ug/L

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW011802.D

Acq: 09 Aug 2019 09:56

Instrument :

MSVOA_W

ClientSampleId :

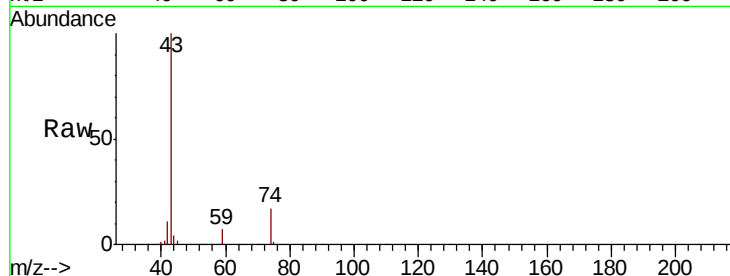
VSTD02510

Tgt Ion: 43 Resp: 95588

Ion Ratio Lower Upper

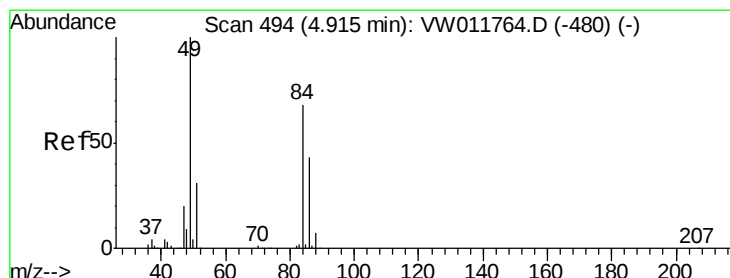
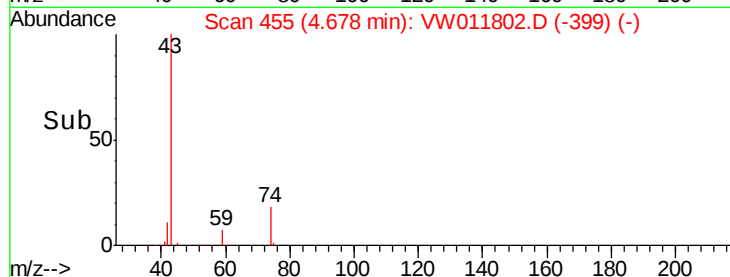
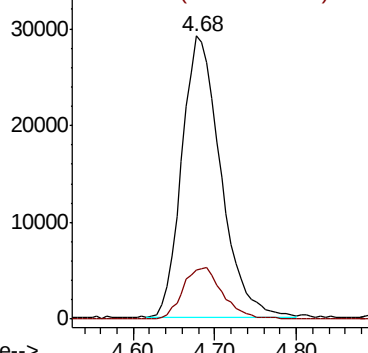
43 100

74 18.5 15.0 22.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 26.896 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW011802.D

Acq: 09 Aug 2019 09:56

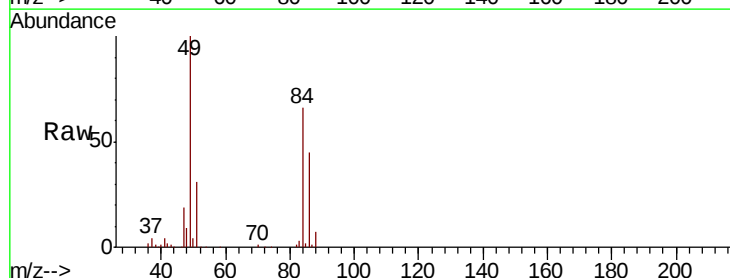
Tgt Ion: 84 Resp: 150212

Ion Ratio Lower Upper

84 100

49 150.5 106.8 198.4

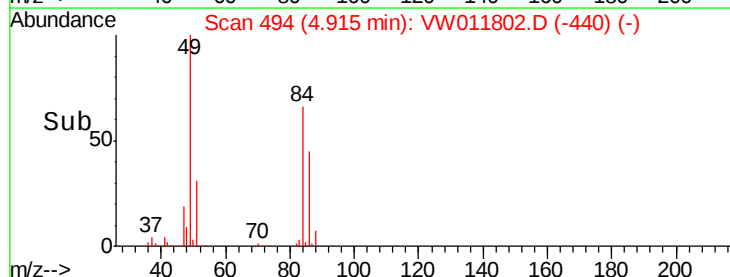
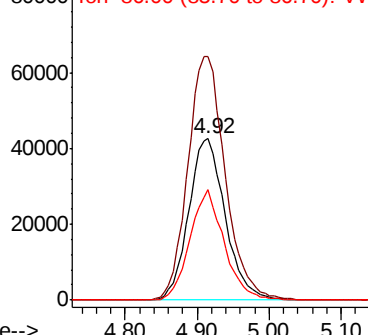
86 68.1 42.8 79.4

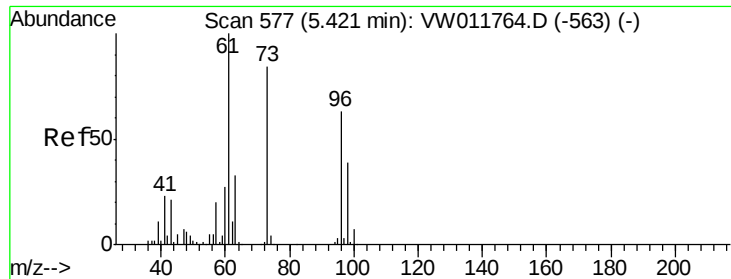


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

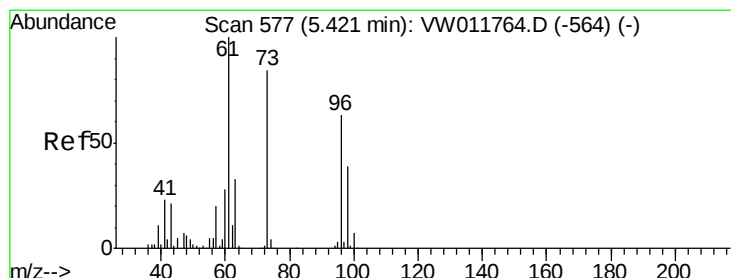
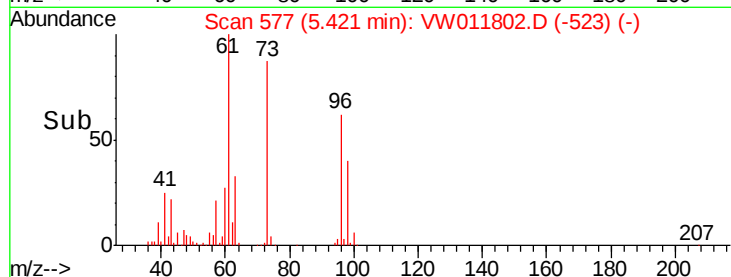
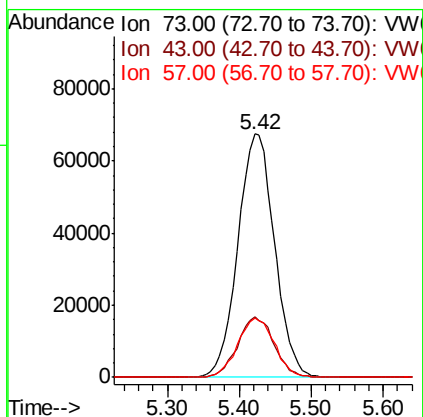
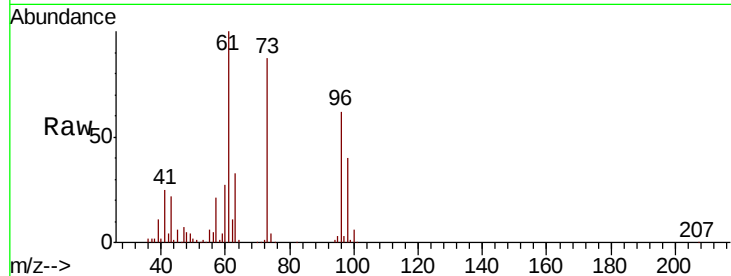




#17
Methyl tert-butyl Ether
Concen: 27.818 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW011802.D
Acq: 09 Aug 2019 09:56

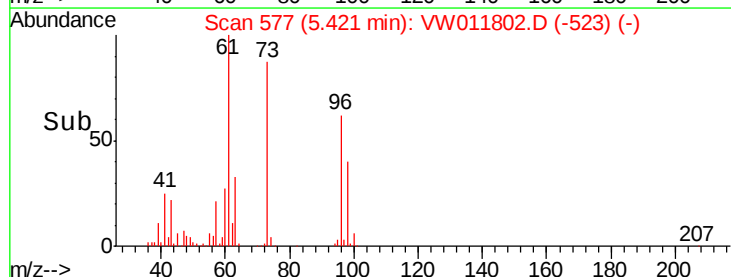
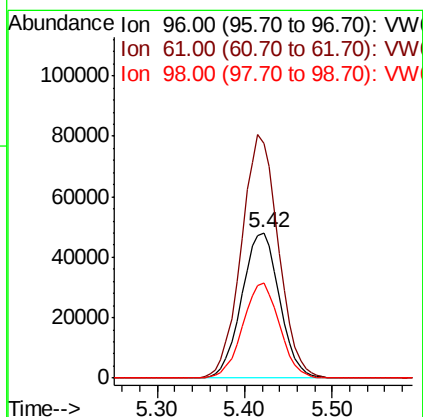
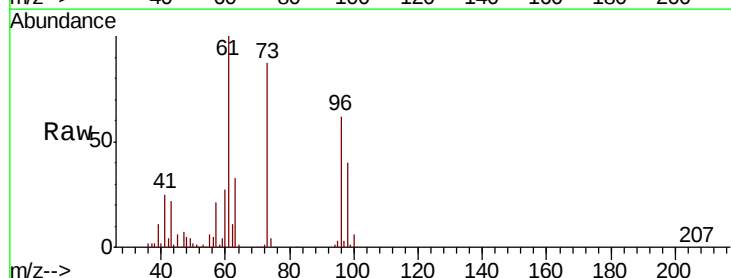
Instrument :
MSVOA_W
ClientSampleId :
VSTD02510

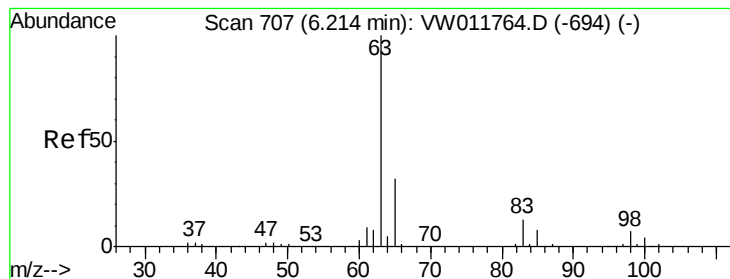
Tgt Ion: 73 Resp: 238116
Ion Ratio Lower Upper
73 100
43 24.6 19.3 28.9
57 24.6 19.7 29.5



#18
trans-1,2-Dichloroethene
Concen: 27.282 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW011802.D
Acq: 09 Aug 2019 09:56

Tgt Ion: 96 Resp: 144884
Ion Ratio Lower Upper
96 100
61 161.9 114.2 212.0
98 65.5 45.6 84.6





#19

1,1-Dichloroethane

Concen: 28.315 ug/L

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW011802.D

Acq: 09 Aug 2019 09:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD02510

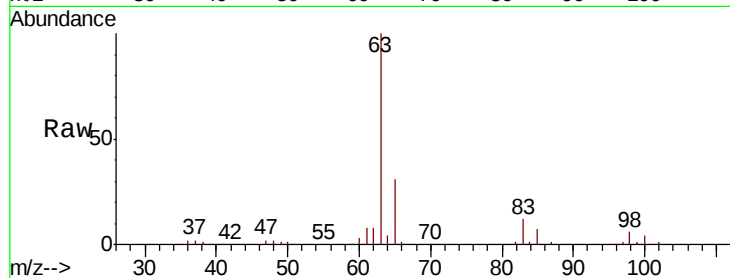
Tgt Ion: 63 Resp: 300390

Ion Ratio Lower Upper

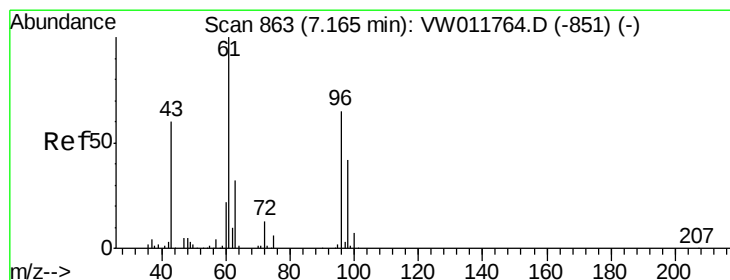
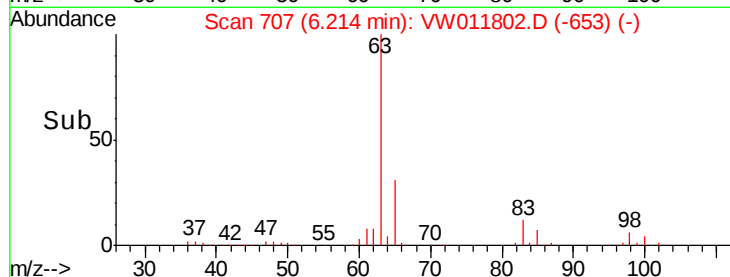
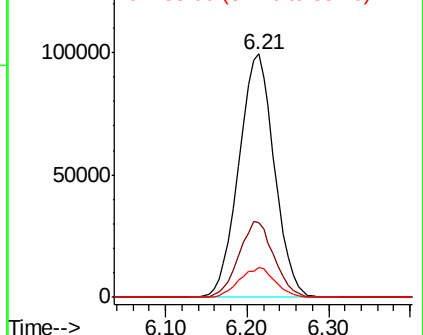
63 100

65 30.8 21.7 40.3

83 12.2 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



#21

2-Butanone

Concen: 45.837 ug/L

RT: 7.18 min Scan# 866

Delta R.T. 0.02 min

Lab File: VW011802.D

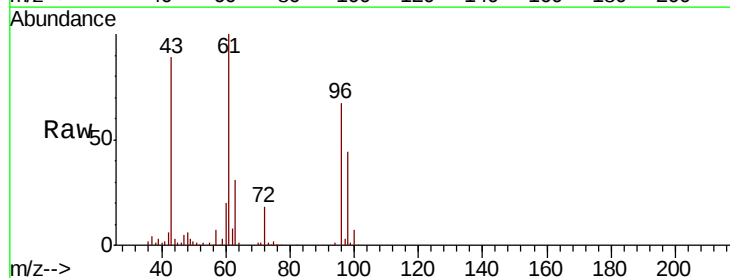
Acq: 09 Aug 2019 09:56

Tgt Ion: 43 Resp: 139665

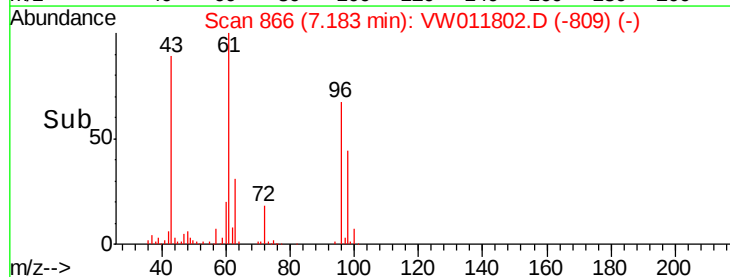
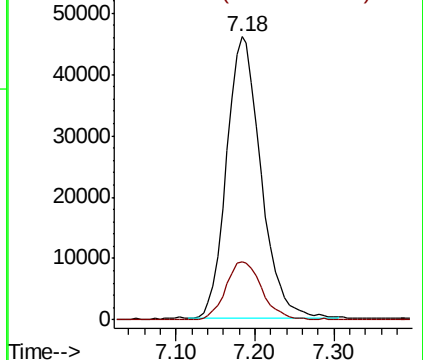
Ion Ratio Lower Upper

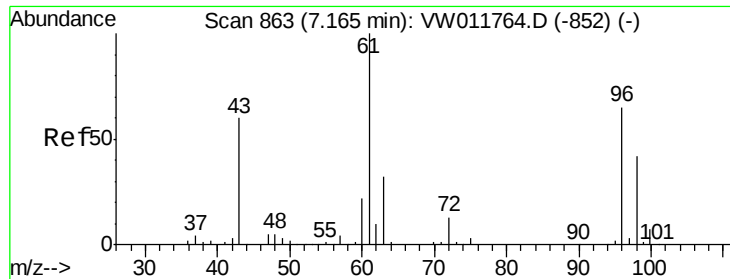
43 100

72 21.7 10.7 32.1



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



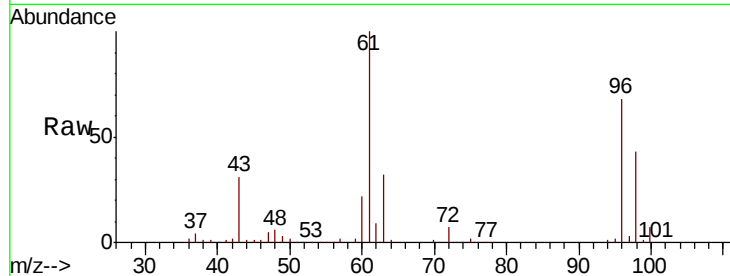


#22

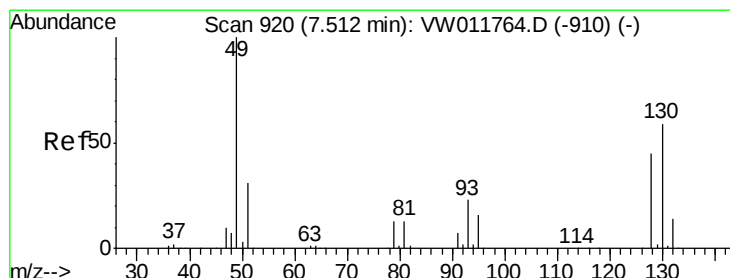
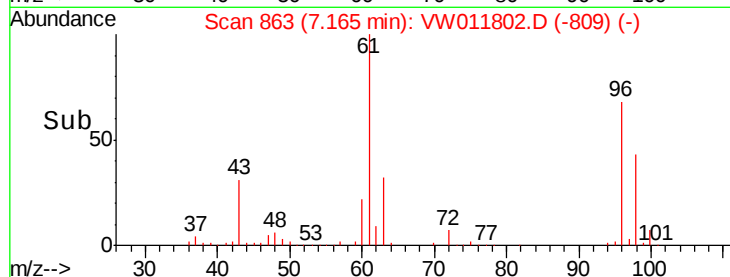
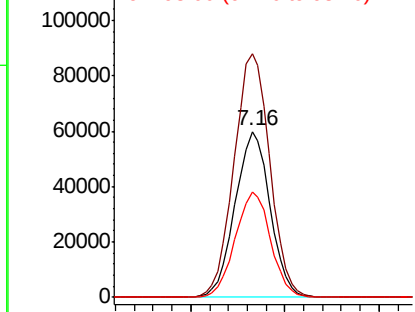
cis-1,2-Dichloroethene
 Concen: 28.016 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW011802.D
 Acq: 09 Aug 2019 09:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

Tgt Ion: 96 Resp: 155655
 Ion Ratio Lower Upper
 96 100
 61 146.5 103.9 192.9
 98 63.2 43.5 80.9



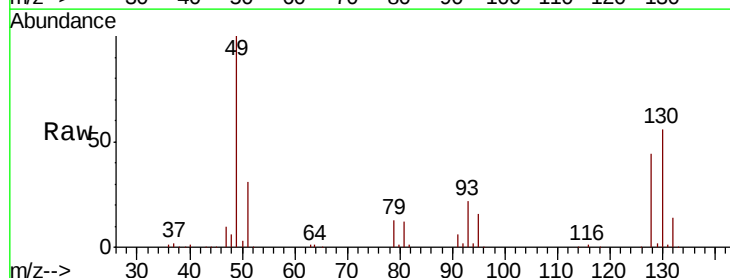
Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 98.00 (97.70 to 98.70): VW



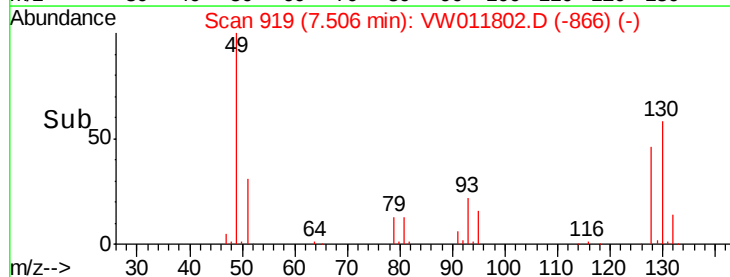
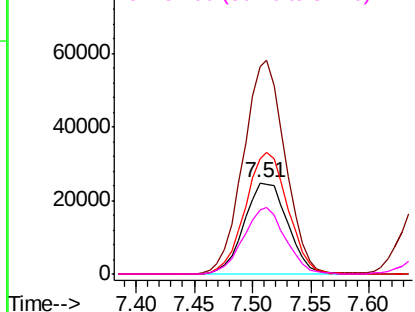
#23

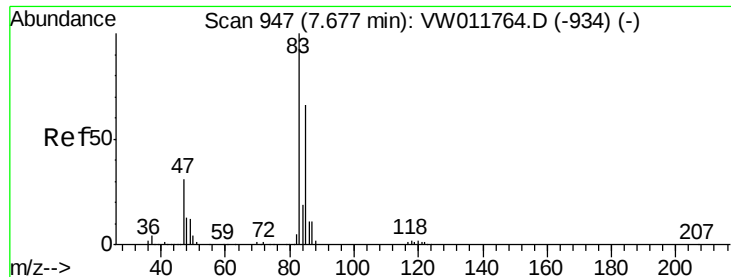
Bromochloromethane
 Concen: 27.112 ug/L
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW011802.D
 Acq: 09 Aug 2019 09:56

Tgt Ion: 128 Resp: 64093
 Ion Ratio Lower Upper
 128 100
 49 226.1 153.6 285.3
 130 126.3 89.5 166.3
 51 69.5 53.0 79.6



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VW
 Ion 130.00 (129.70 to 130.70): V
 Ion 51.00 (50.70 to 51.70): VW





#25

Chloroform

Concen: 28.214 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.01 min

Lab File: VW011802.D

Acq: 09 Aug 2019 09:56

Instrument :

MSVOA_W

ClientSampleId :

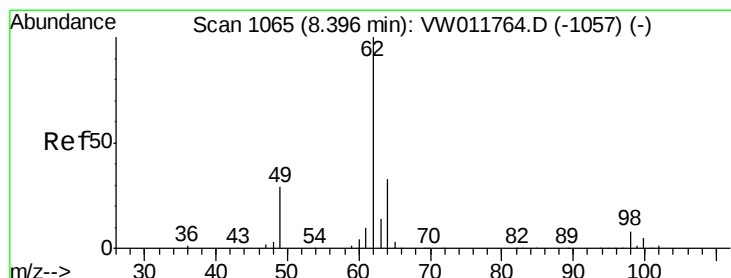
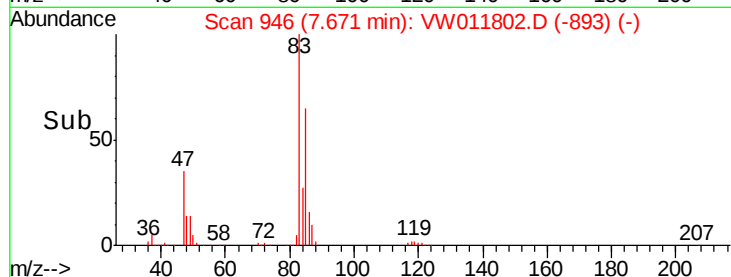
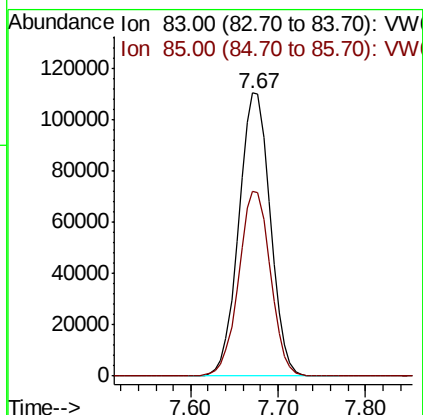
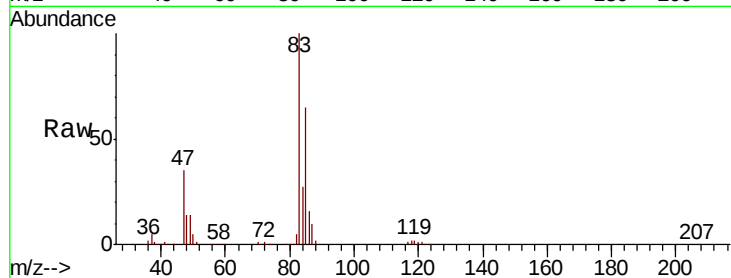
VSTD02510

Tgt Ion: 83 Resp: 275886

Ion Ratio Lower Upper

83 100

85 65.8 45.4 84.2



#27

1,2-Dichloroethane

Concen: 28.325 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW011802.D

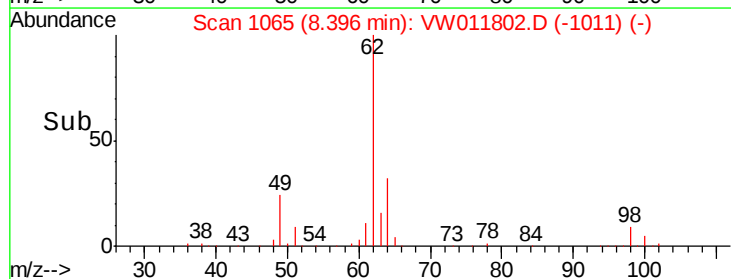
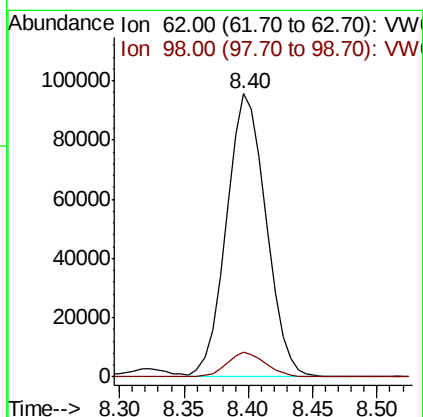
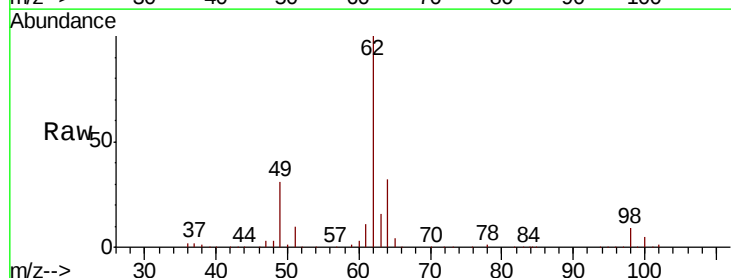
Acq: 09 Aug 2019 09:56

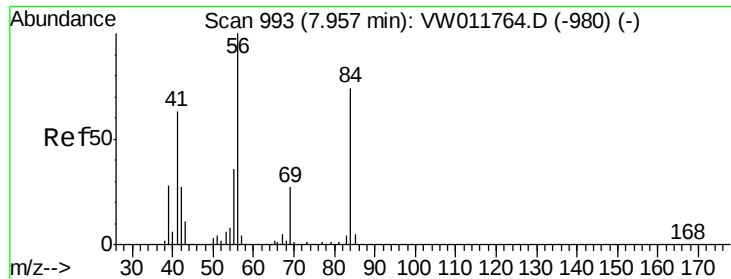
Tgt Ion: 62 Resp: 205040

Ion Ratio Lower Upper

62 100

98 8.6 7.2 10.8

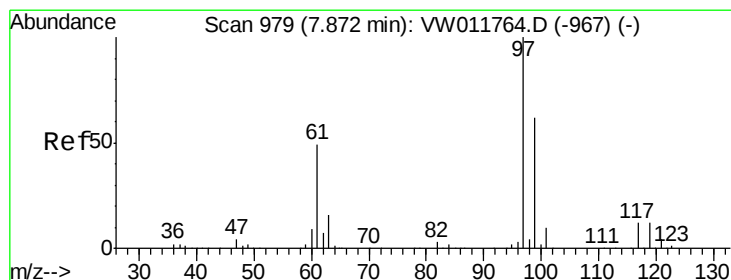
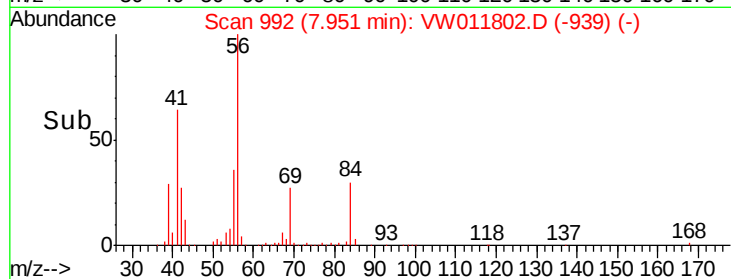
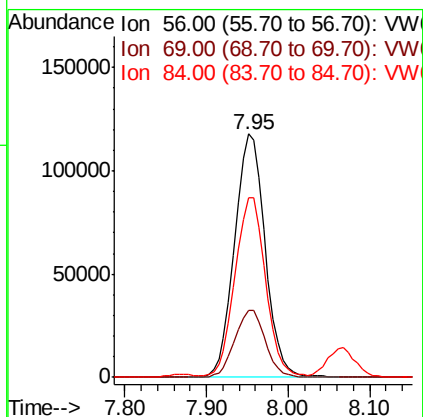
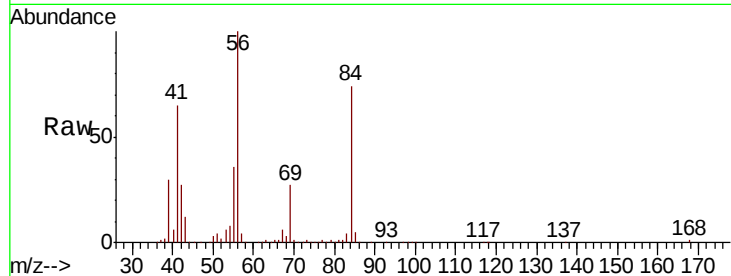




#30
Cyclohexane
Concen: 27.992 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW011802.D
Acq: 09 Aug 2019 09:56

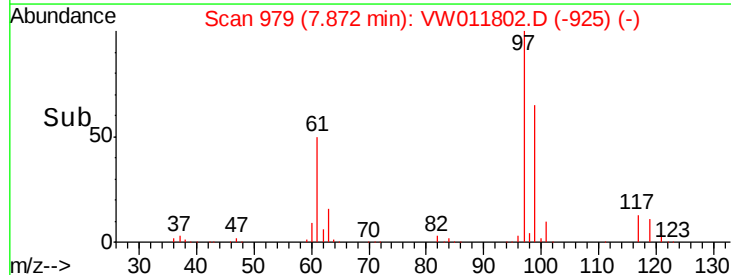
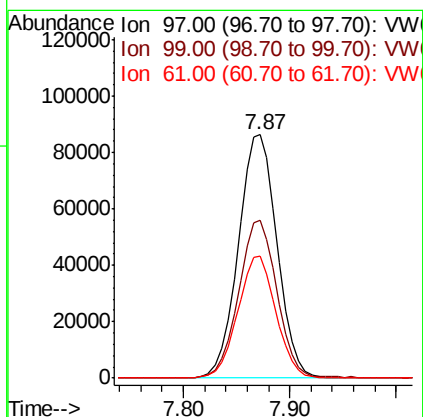
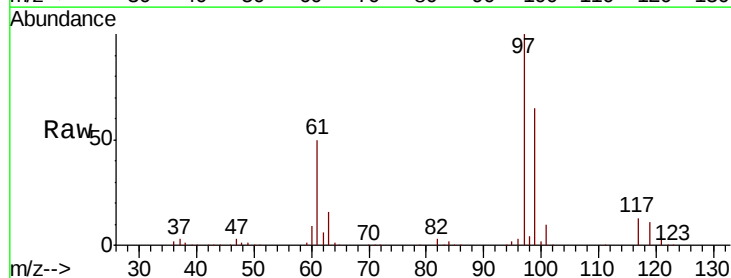
Instrument :
MSVOA_W
ClientSampleId :
VSTD02510

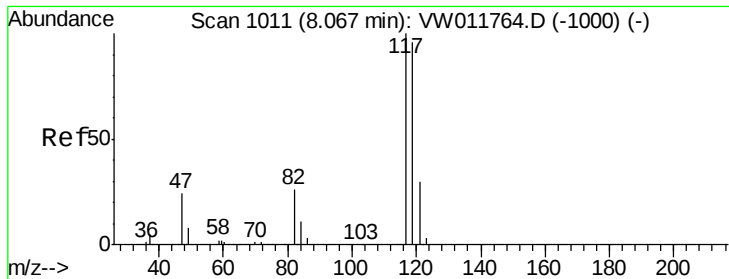
Tgt Ion: 56 Resp: 305330
Ion Ratio Lower Upper
56 100
69 27.5 22.4 33.6
84 74.5 60.6 91.0



#31
1,1,1-Trichloroethane
Concen: 28.760 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW011802.D
Acq: 09 Aug 2019 09:56

Tgt Ion: 97 Resp: 219904
Ion Ratio Lower Upper
97 100
99 64.3 52.1 78.1
61 49.5 40.3 60.5





#32

Carbon tetrachloride

Concen: 28.438 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW011802.D

Acq: 09 Aug 2019 09:56

Instrument :

MSVOA_W

ClientSampleId :

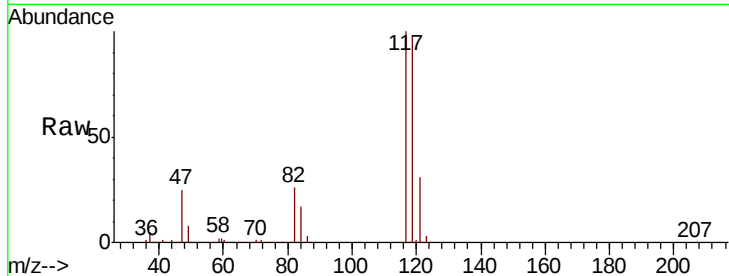
VSTD02510

Tgt Ion:117 Resp: 204562

Ion Ratio Lower Upper

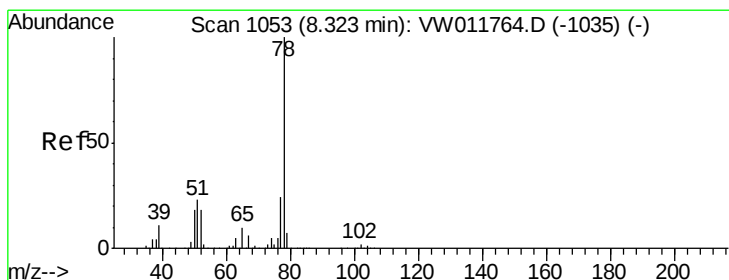
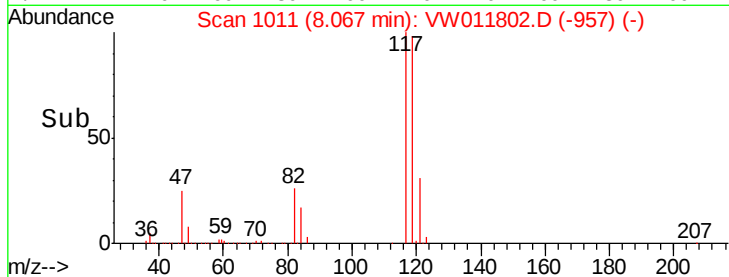
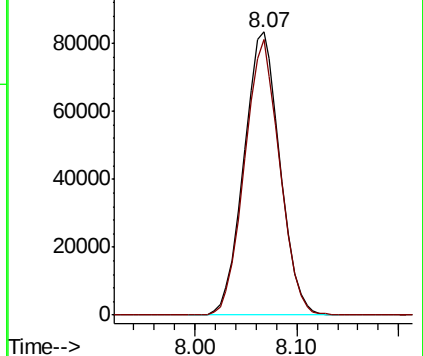
117 100

119 95.2 76.2 114.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 28.401 ug/L

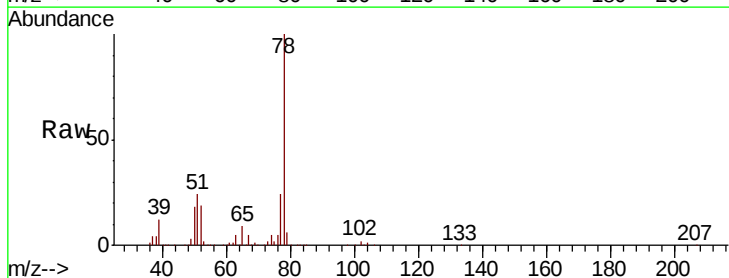
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

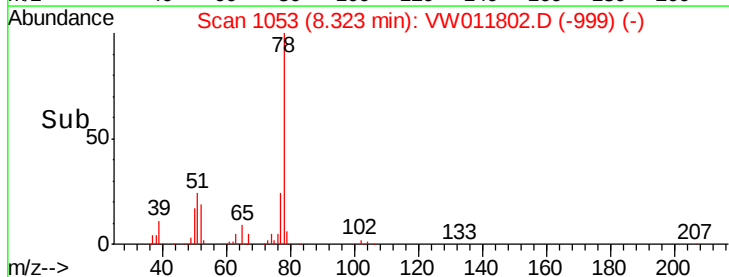
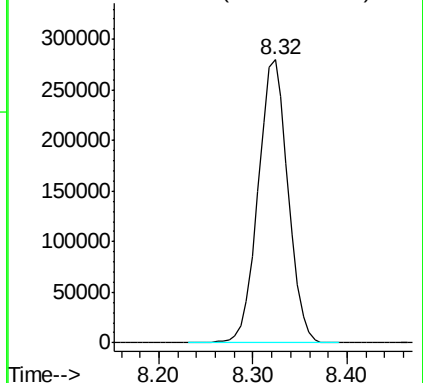
Lab File: VW011802.D

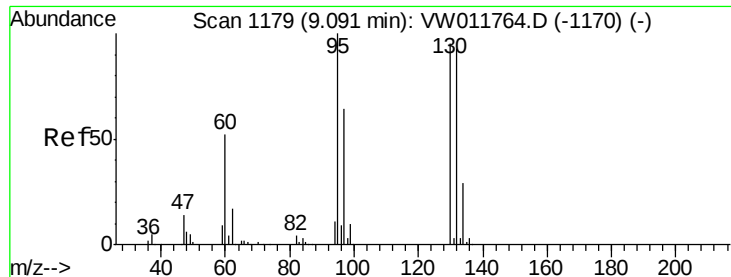
Acq: 09 Aug 2019 09:56

Tgt Ion: 78 Resp: 624546



Abundance Ion 78.00 (77.70 to 78.70): VW

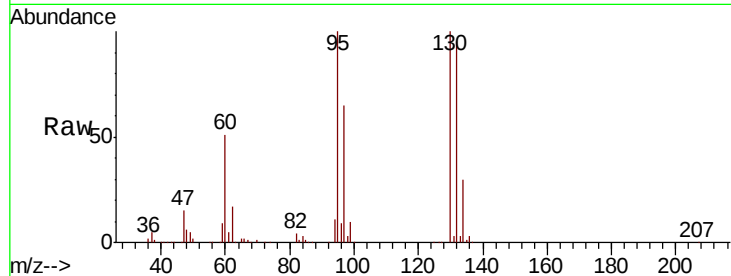




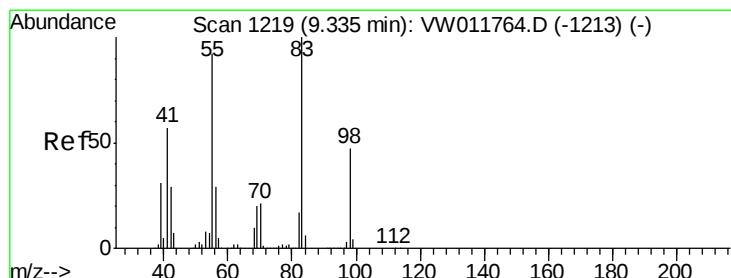
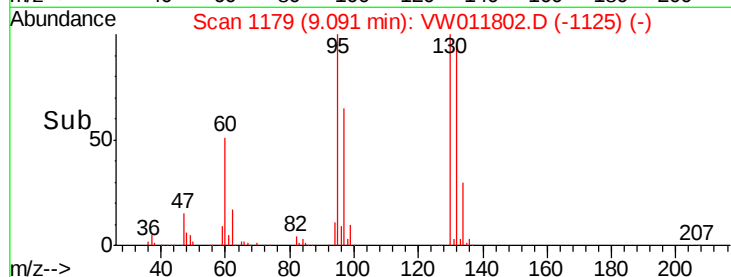
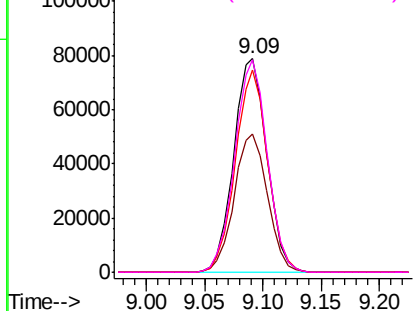
#35
 Trichloroethene
 Concen: 28.033 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW011802.D
 Acq: 09 Aug 2019 09:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

Tgt Ion:	95	Resp:	156494
Ion	Ratio	Lower	Upper
95	100		
97	64.9	44.8	83.2
132	92.2	65.0	120.6
130	97.7	68.0	126.4

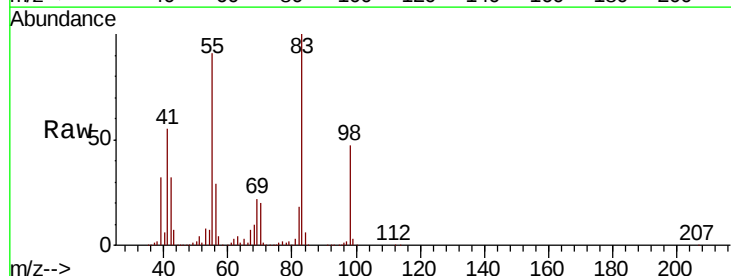


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

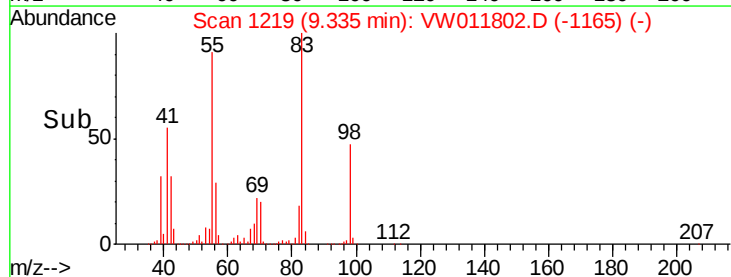
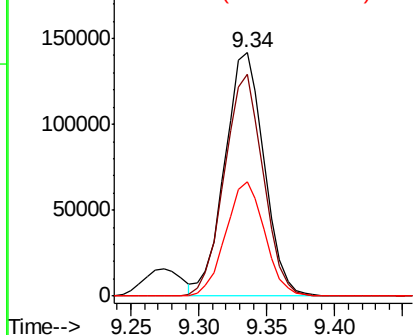


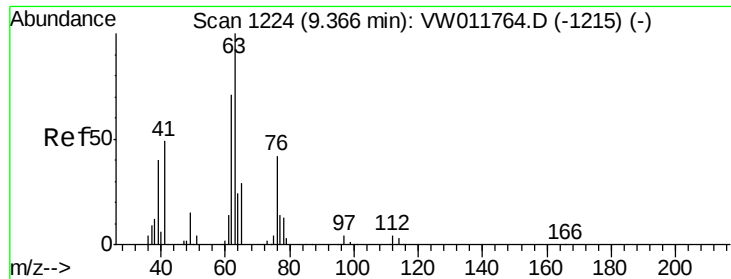
#36
 Methylcyclohexane
 Concen: 28.217 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW011802.D
 Acq: 09 Aug 2019 09:56

Tgt Ion:	83	Resp:	285768
Ion	Ratio	Lower	Upper
83	100		
55	89.7	72.6	108.8
98	46.5	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

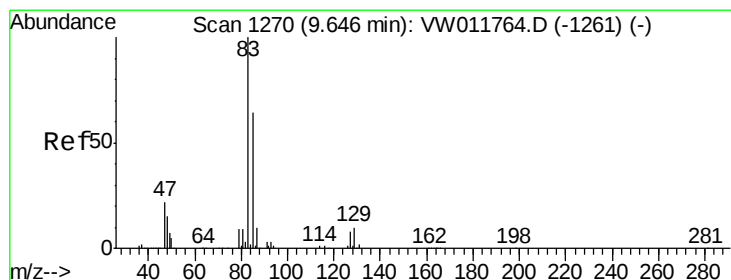
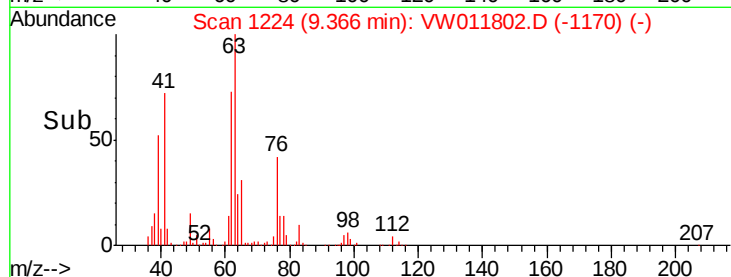
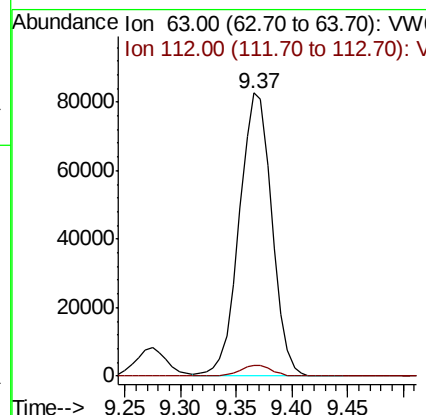
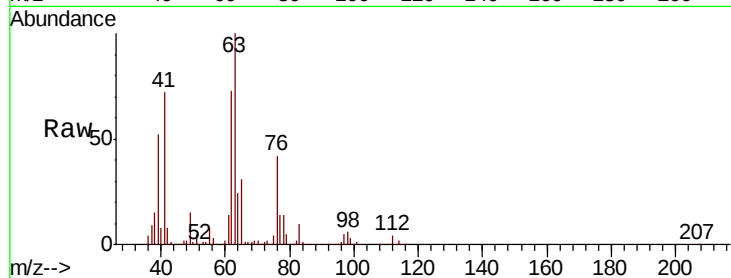




#40
 1,2-Dichloropropane
 Concen: 28.535 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW011802.D
 Acq: 09 Aug 2019 09:56

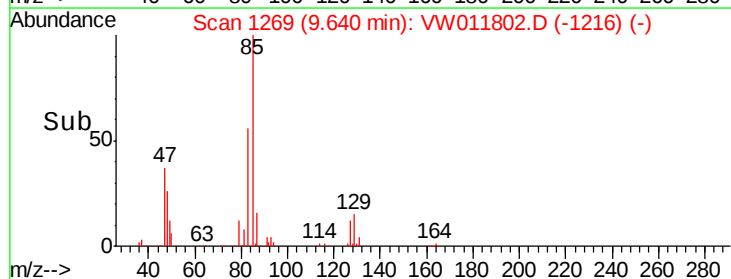
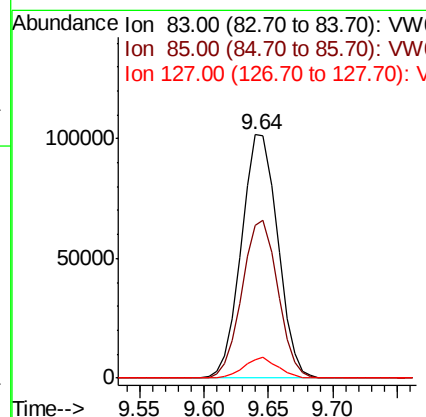
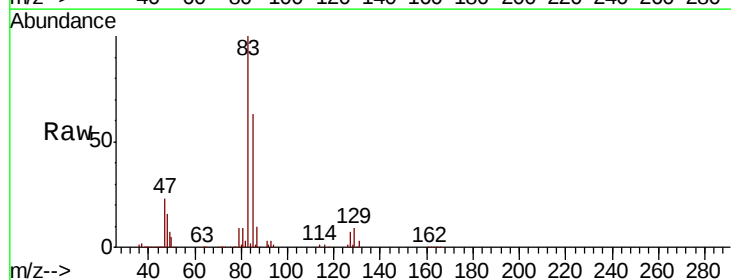
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

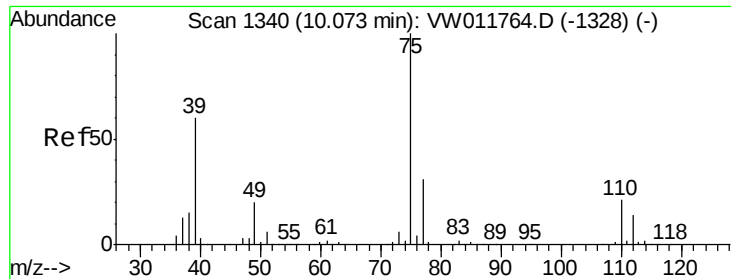
Tgt Ion: 63 Resp: 167496
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.1 4.7



#41
 Bromodichloromethane
 Concen: 28.748 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VW011802.D
 Acq: 09 Aug 2019 09:56

Tgt Ion: 83 Resp: 199124
 Ion Ratio Lower Upper
 83 100
 85 62.8 44.0 81.6
 127 7.4 6.5 9.7

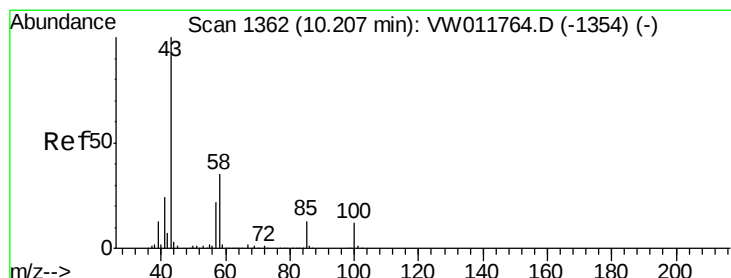
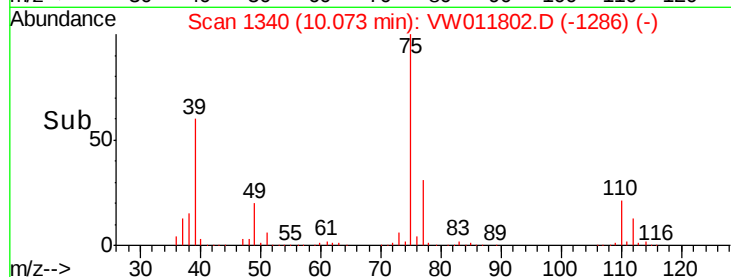
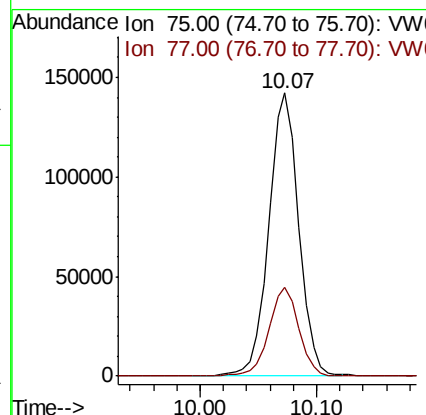
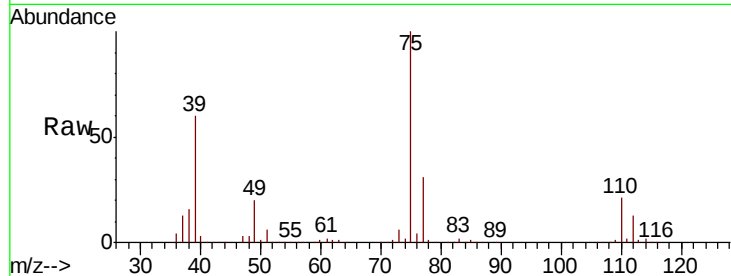




#42
 cis-1,3-Dichloropropene
 Concen: 28.962 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW011802.D
 Acq: 09 Aug 2019 09:56

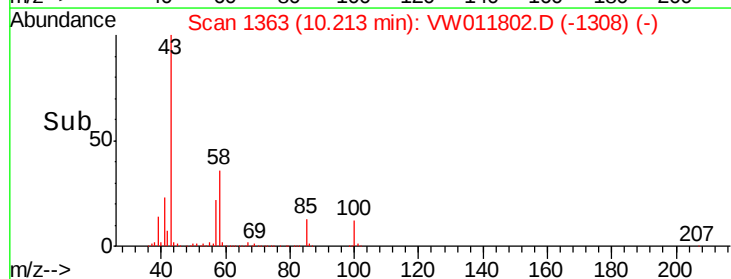
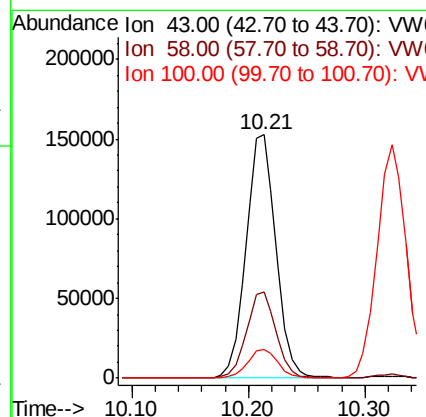
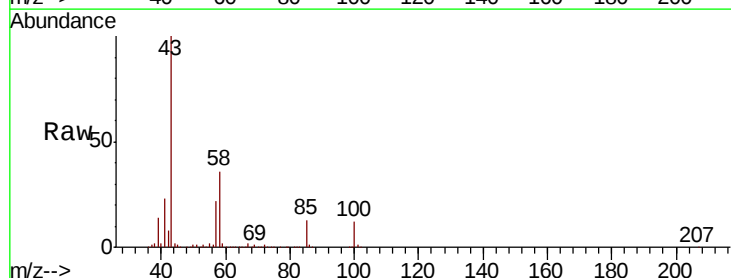
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

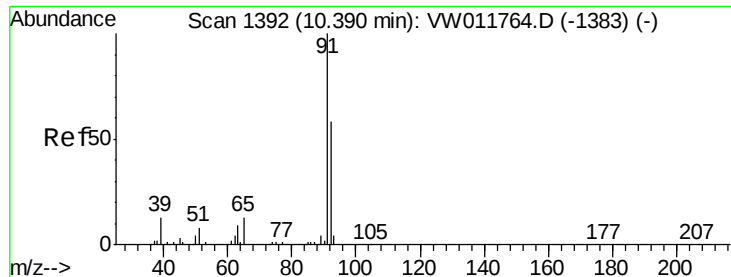
Tgt Ion: 75 Resp: 254280
 Ion Ratio Lower Upper
 75 100
 77 31.3 22.3 41.3



#43
 4-Methyl-2-pentanone
 Concen: 51.292 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.01 min
 Lab File: VW011802.D
 Acq: 09 Aug 2019 09:56

Tgt Ion: 43 Resp: 272790
 Ion Ratio Lower Upper
 43 100
 58 35.0 28.0 42.0
 100 11.9 9.4 14.2





#44

Toluene

Concen: 28.836 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW011802.D

Acq: 09 Aug 2019 09:56

Instrument :

MSVOA_W

ClientSampleId :

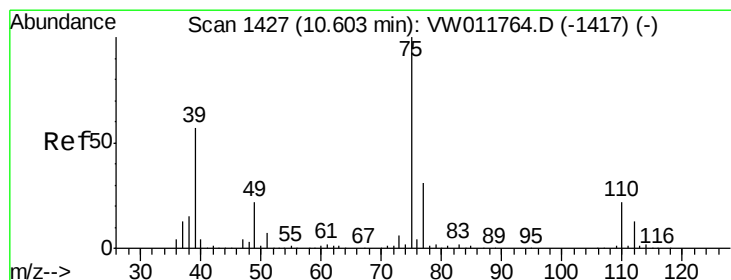
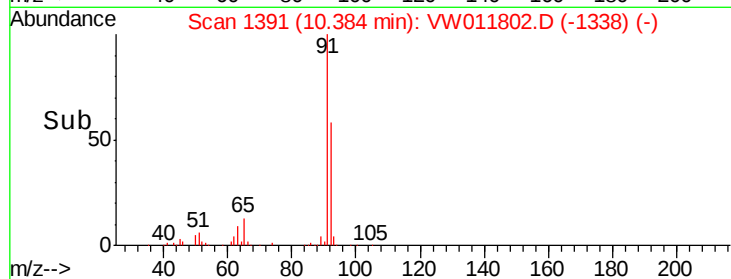
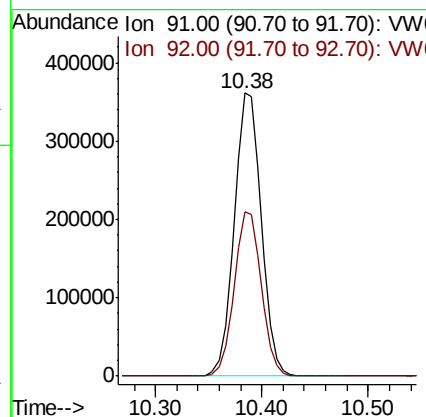
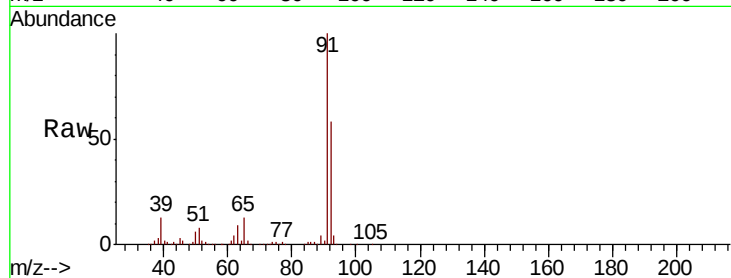
VSTD02510

Tgt Ion: 91 Resp: 644225

Ion Ratio Lower Upper

91 100

92 58.3 40.9 76.0



#45

trans-1,3-Dichloropropene

Concen: 28.415 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW011802.D

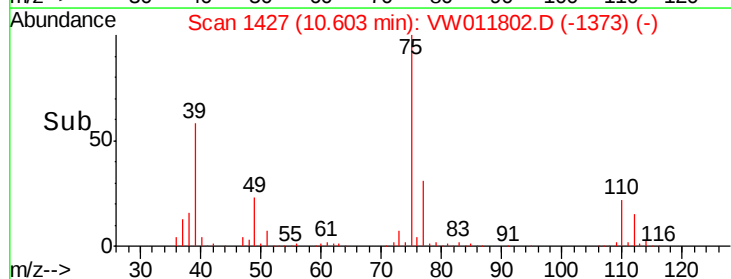
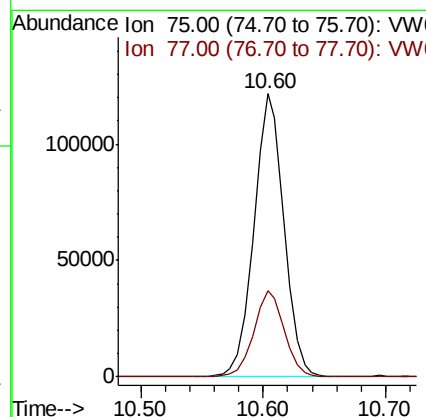
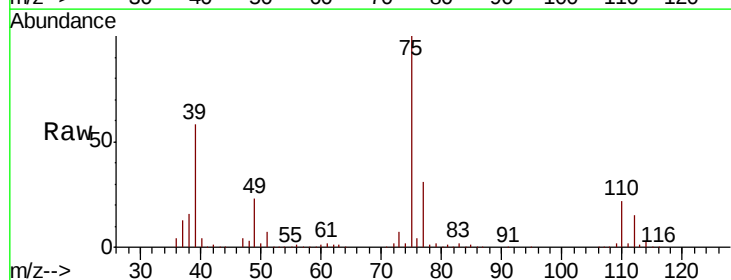
Acq: 09 Aug 2019 09:56

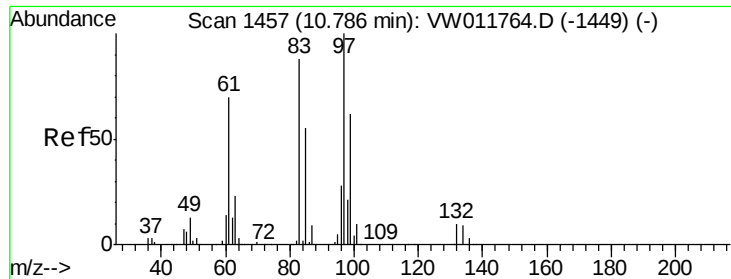
Tgt Ion: 75 Resp: 207570

Ion Ratio Lower Upper

75 100

77 30.7 21.6 40.0

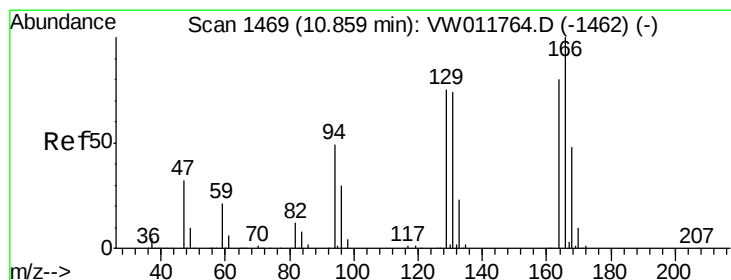
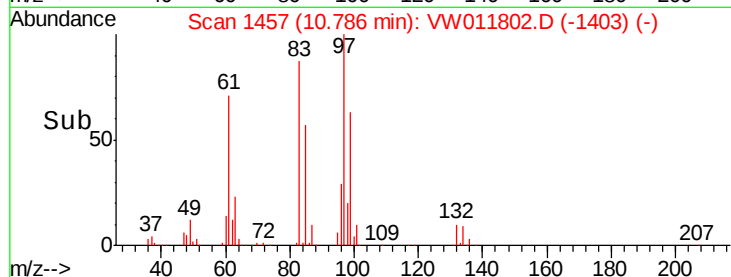
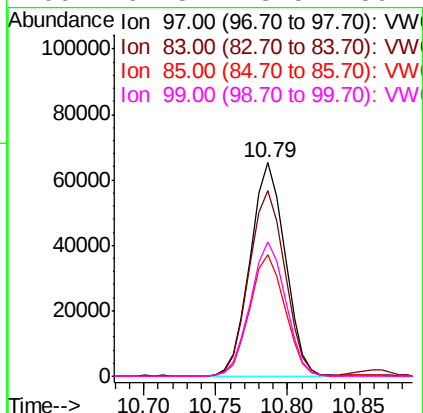
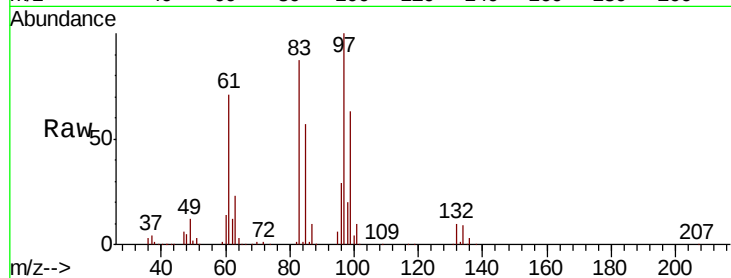




#46
 1,1,2-Trichloroethane
 Concen: 27.498 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW011802.D
 Acq: 09 Aug 2019 09:56

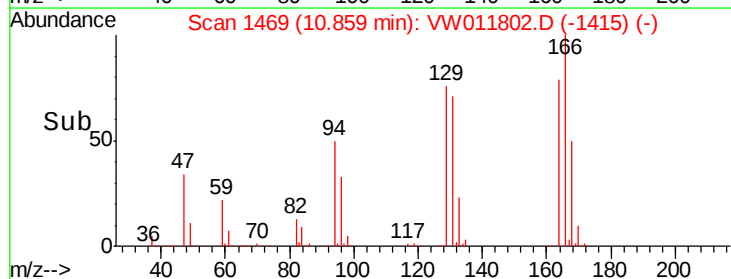
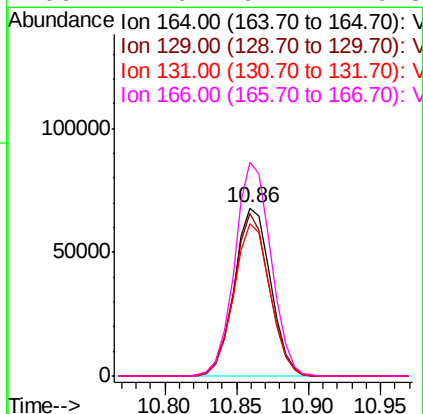
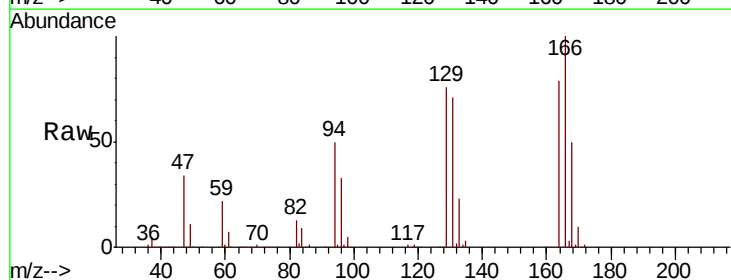
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

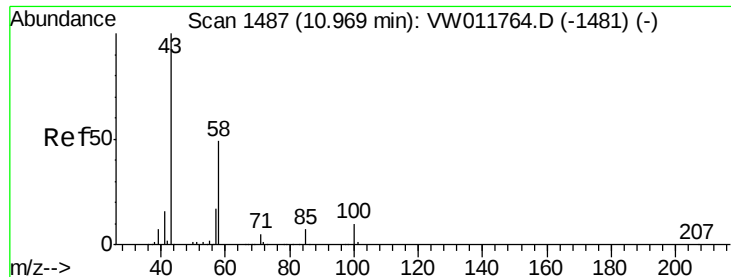
Tgt Ion:	97	Resp:	110045
Ion	Ratio	Lower	Upper
97	100		
83	86.7	63.8	118.6
85	57.1	39.3	72.9
99	62.8	43.5	80.7



#47
 Tetrachloroethene
 Concen: 27.805 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VW011802.D
 Acq: 09 Aug 2019 09:56

Tgt Ion:	164	Resp:	118562
Ion	Ratio	Lower	Upper
164	100		
129	96.8	64.0	119.0
131	90.8	58.6	108.8
166	127.0	91.7	170.3

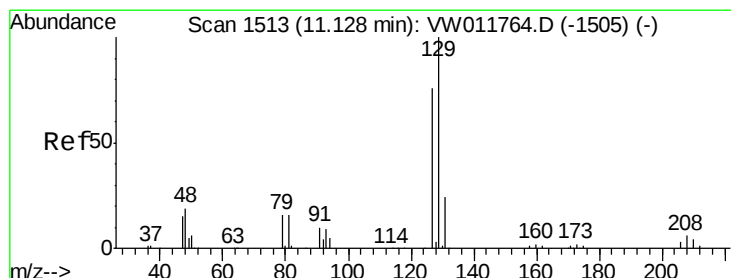
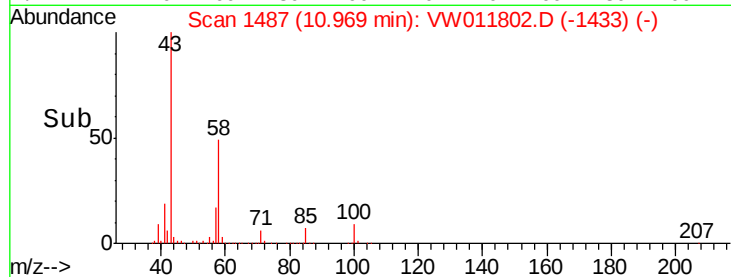
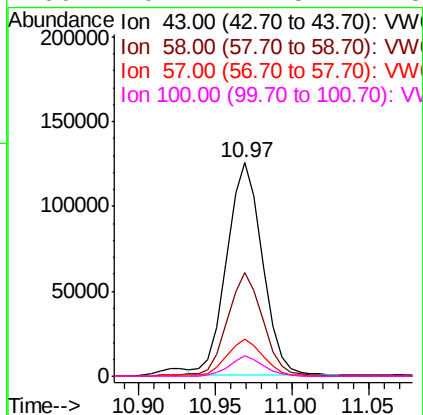
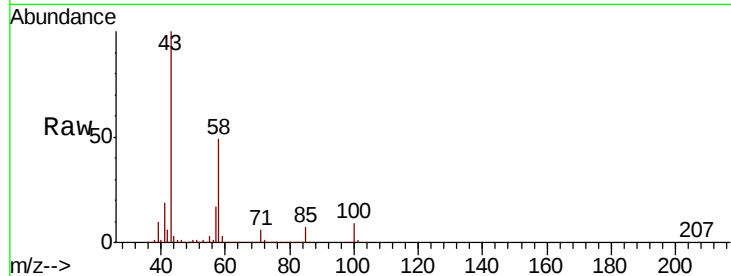




#49
2-Hexanone
Concen: 49.353 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011802.D
Acq: 09 Aug 2019 09:56

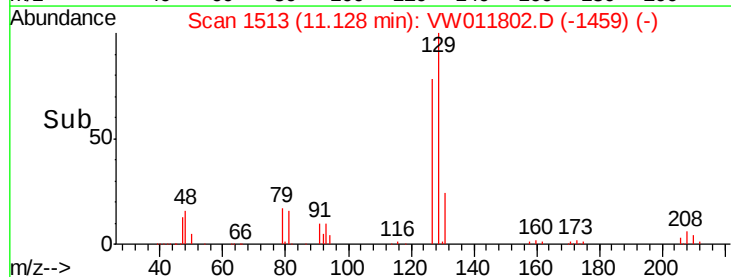
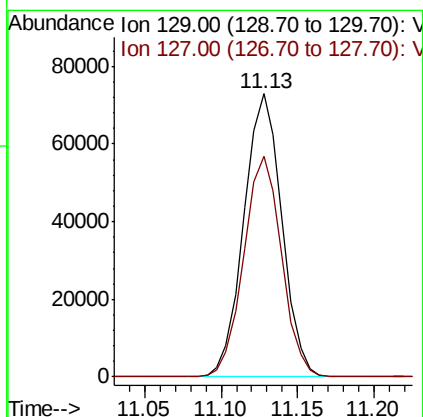
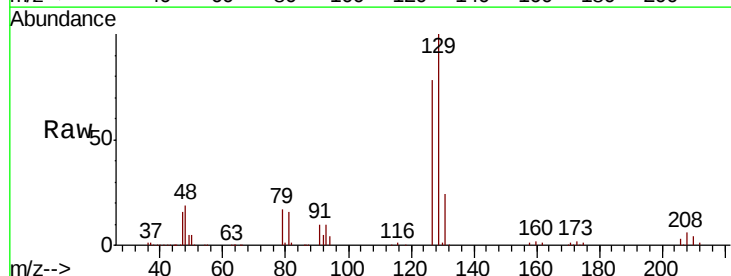
Instrument :
MSVOA_W
ClientSampleId :
VSTD02510

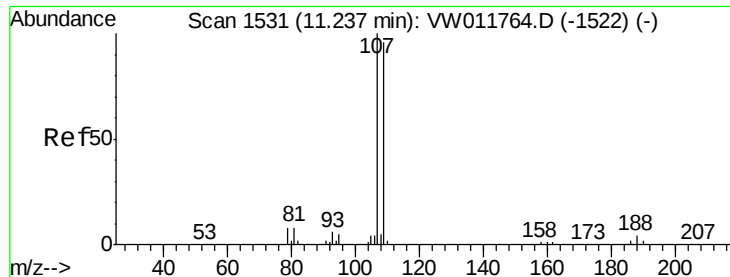
Tgt Ion:	43	Resp:	202220
Ion	Ratio	Lower	Upper
43	100		
58	49.2	38.6	57.8
57	17.6	13.0	19.6
100	9.2	7.5	11.3



#50
Dibromochloromethane
Concen: 28.611 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011802.D
Acq: 09 Aug 2019 09:56

Tgt Ion:	129	Resp:	126205
Ion	Ratio	Lower	Upper
129	100		
127	78.0	52.6	97.6





#51

1,2-Dibromoethane

Concen: 27.161 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW011802.D

Acq: 09 Aug 2019 09:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD02510

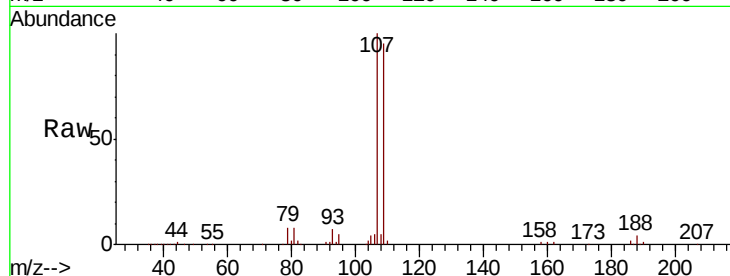
Tgt Ion:107 Resp: 105772

Ion Ratio Lower Upper

107 100

109 95.3 66.1 122.8

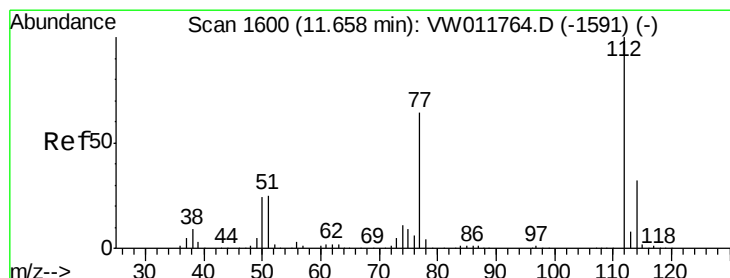
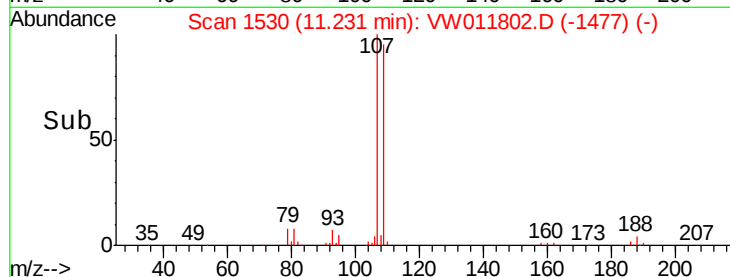
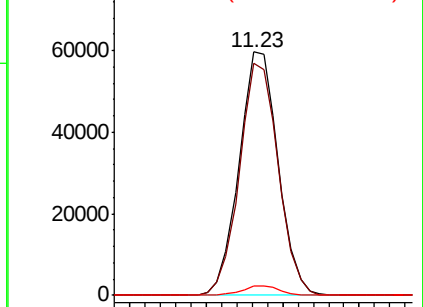
188 3.7 2.9 4.3



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: 28.190 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW011802.D

Acq: 09 Aug 2019 09:56

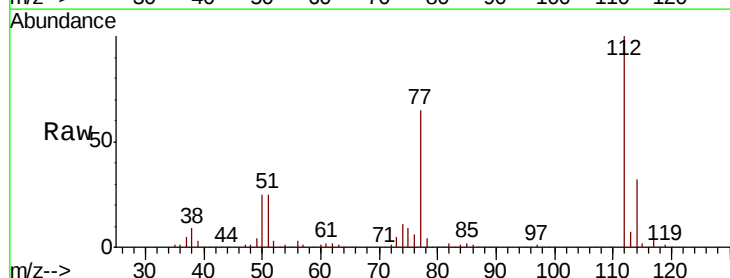
Tgt Ion:112 Resp: 379977

Ion Ratio Lower Upper

112 100

77 65.2 51.0 76.4

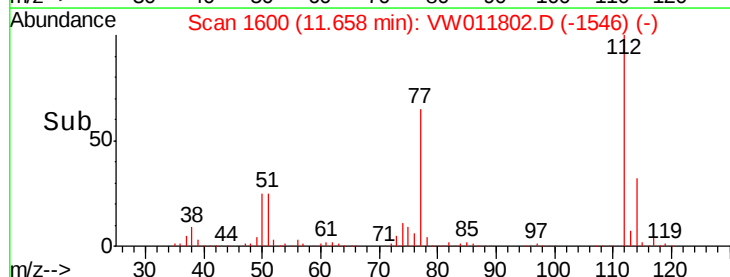
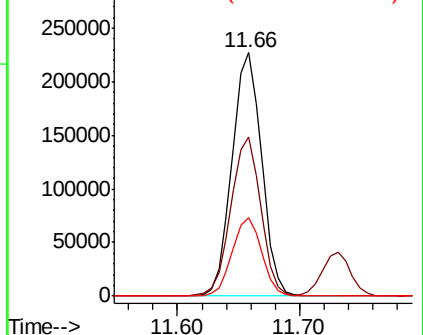
114 32.2 22.4 41.6

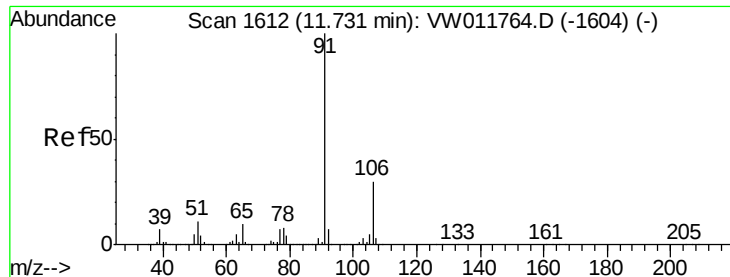


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 28.975 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW011802.D

Acq: 09 Aug 2019 09:56

Instrument :

MSVOA_W

ClientSampleId :

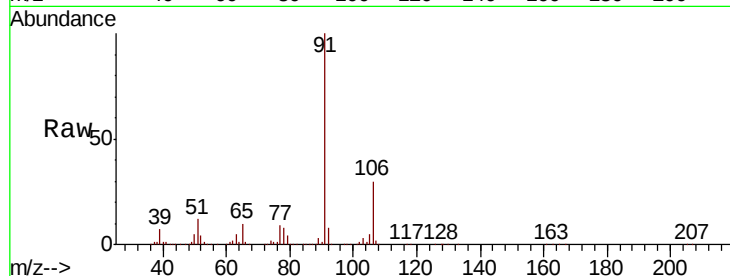
VSTD02510

Tgt Ion: 91 Resp: 721916

Ion Ratio Lower Upper

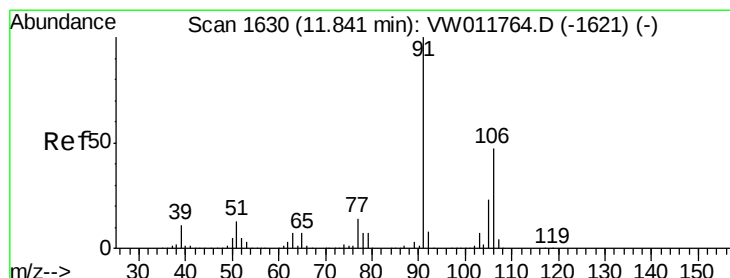
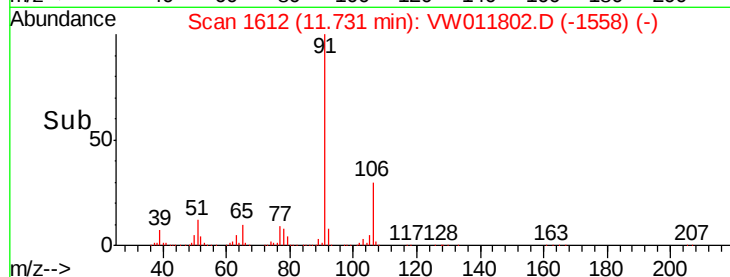
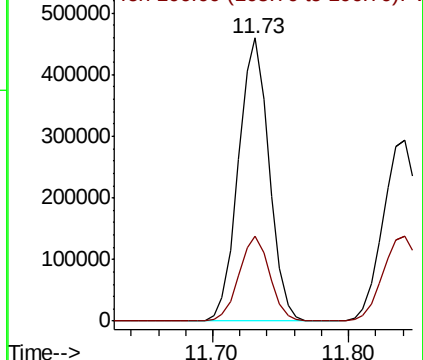
91 100

106 30.2 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: 29.009 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW011802.D

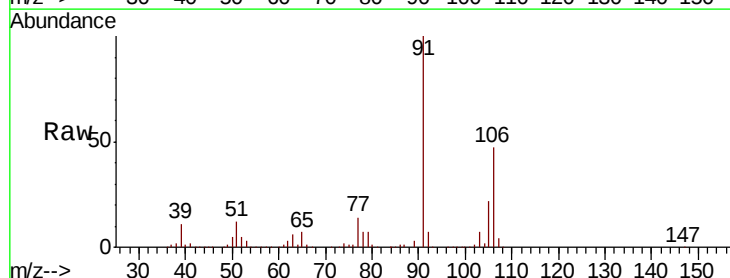
Acq: 09 Aug 2019 09:56

Tgt Ion: 106 Resp: 262810

Ion Ratio Lower Upper

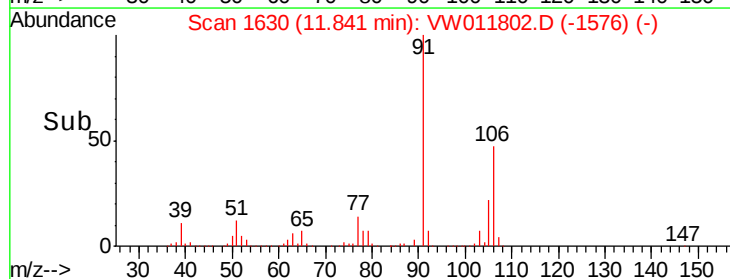
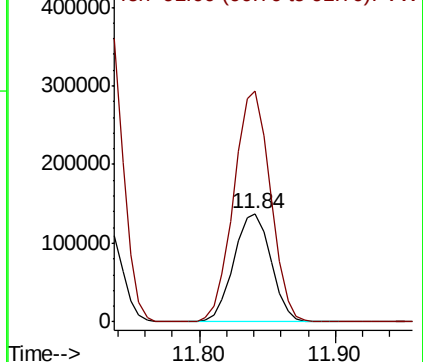
106 100

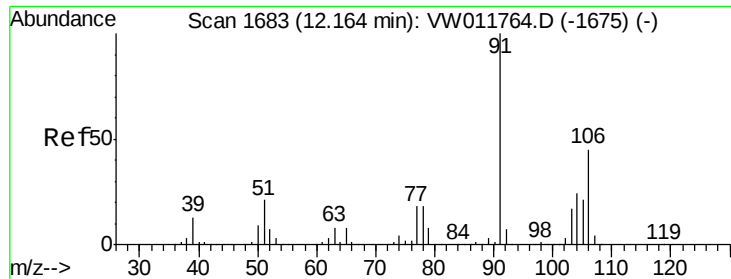
91 214.0 149.6 277.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

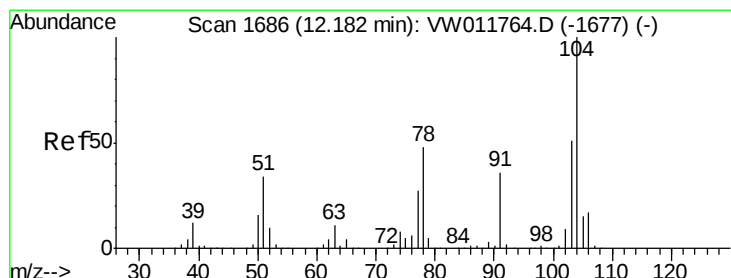
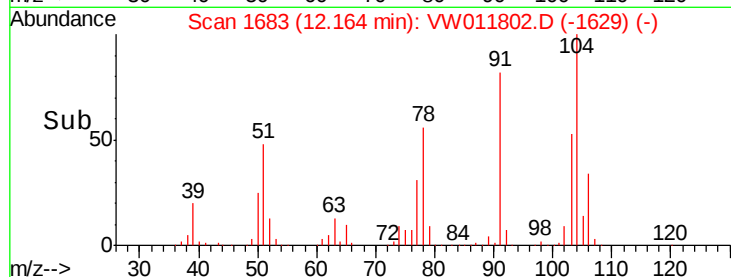
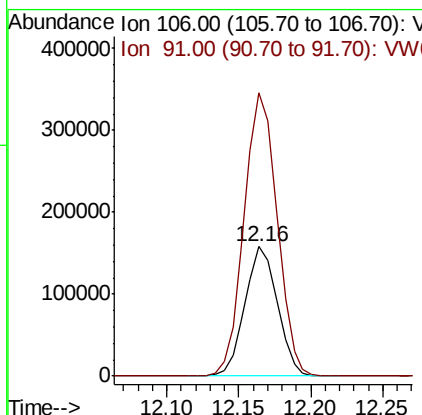
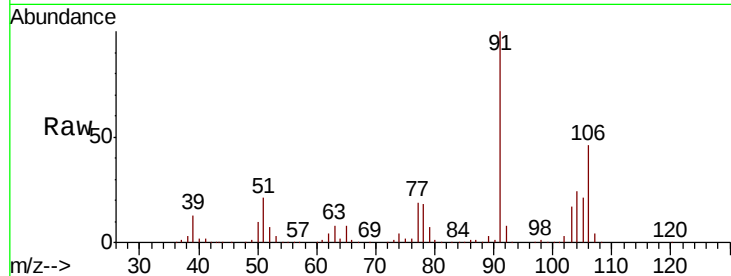




#55
o-xylene
Concen: 28.947 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011802.D
Acq: 09 Aug 2019 09:56

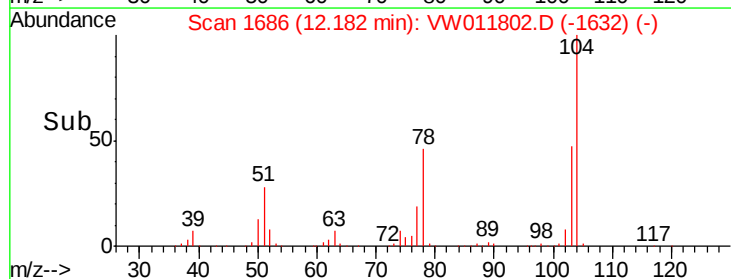
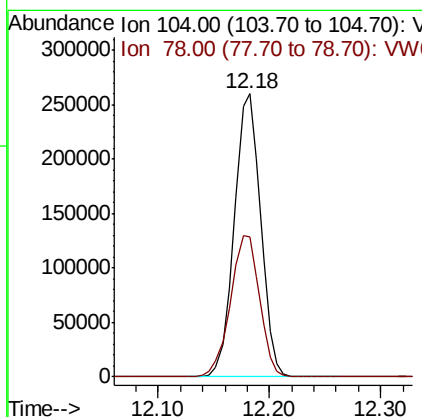
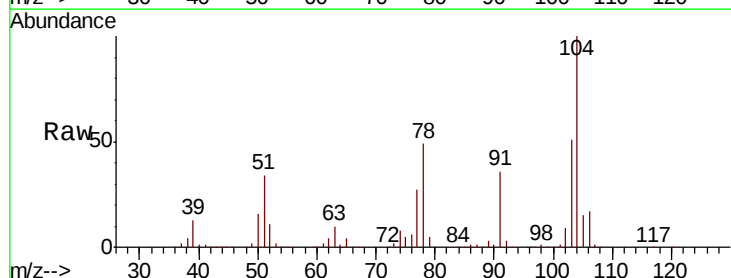
Instrument :
MSVOA_W
ClientSampleId :
VSTD02510

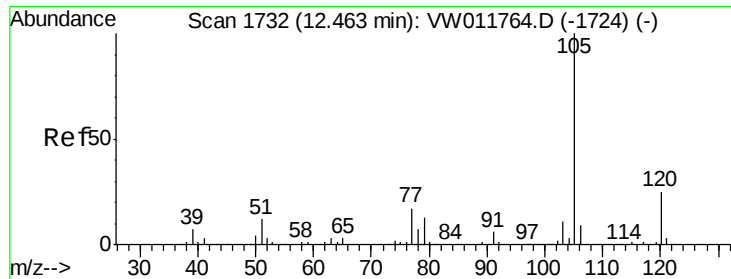
Tgt Ion:106 Resp: 246806
Ion Ratio Lower Upper
106 100
91 218.3 158.3 293.9



#56
Styrene
Concen: 29.411 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011802.D
Acq: 09 Aug 2019 09:56

Tgt Ion:104 Resp: 426330
Ion Ratio Lower Upper
104 100
78 49.3 32.9 61.1





#57

Isopropylbenzene

Concen: 29.210 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011802.D

Acq: 09 Aug 2019 09:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD02510

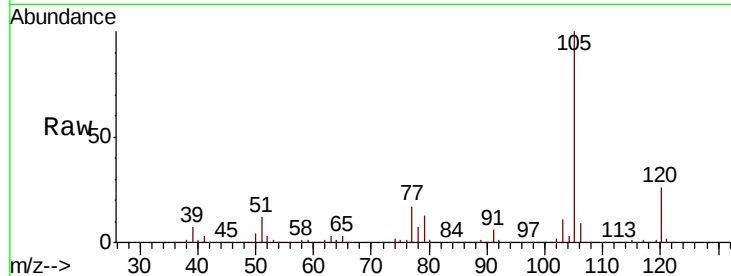
Tgt Ion: 105 Resp: 685165

Ion Ratio Lower Upper

105 100

120 25.6 20.6 30.8

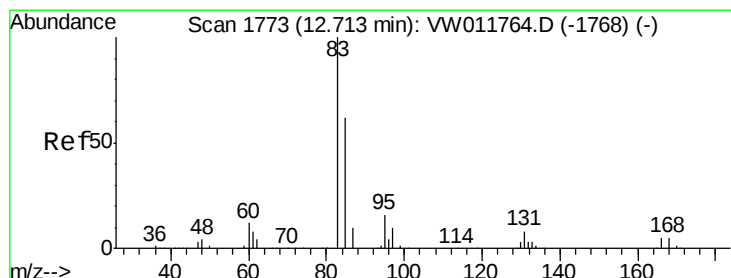
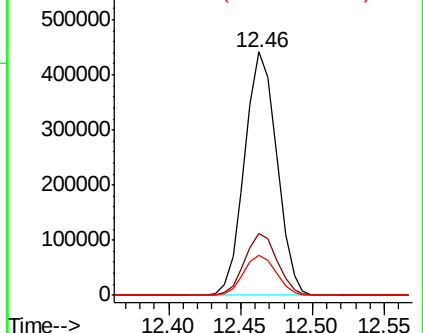
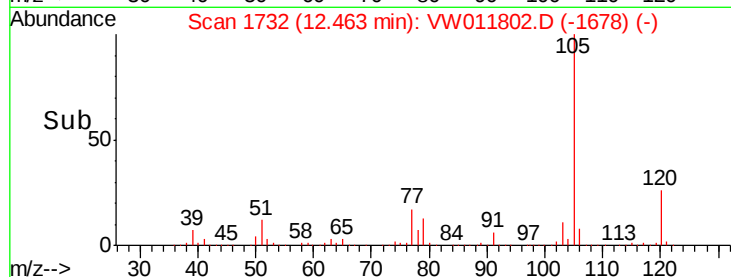
77 16.8 13.4 20.2



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: 26.960 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011802.D

Acq: 09 Aug 2019 09:56

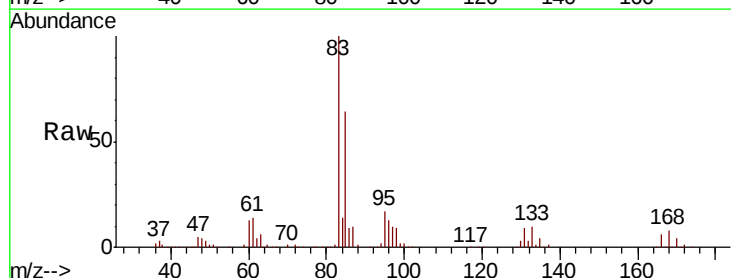
Tgt Ion: 83 Resp: 143381

Ion Ratio Lower Upper

83 100

85 64.0 43.5 80.9

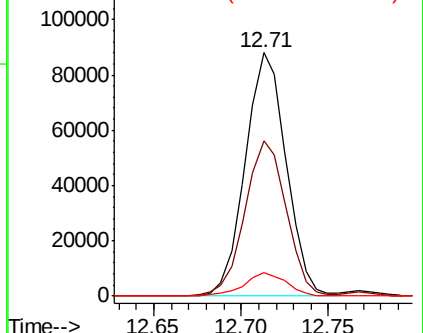
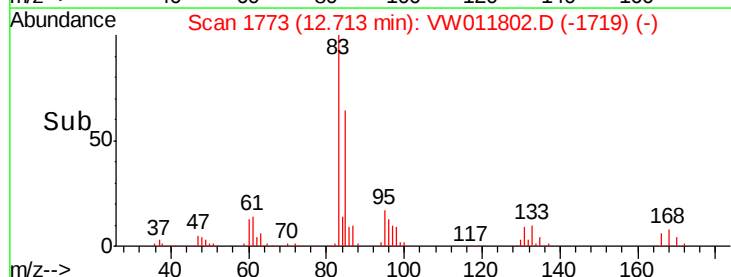
131 9.5 7.5 11.3

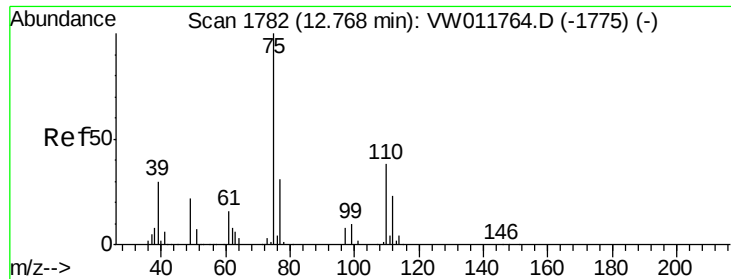


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

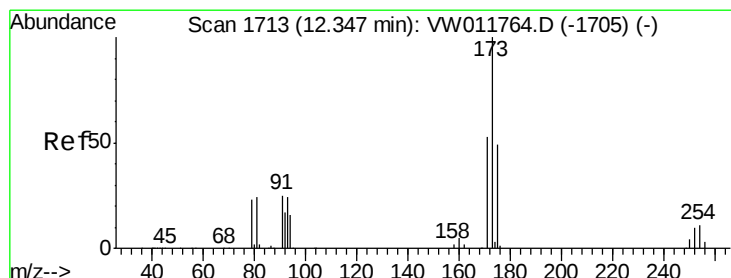
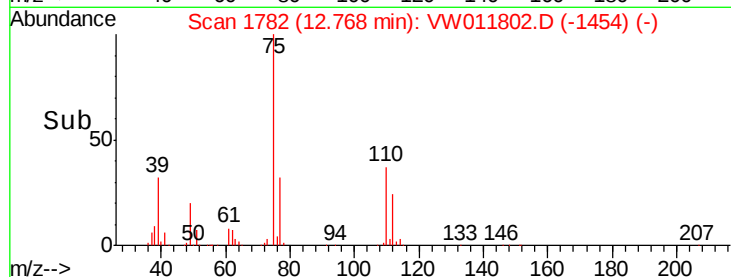
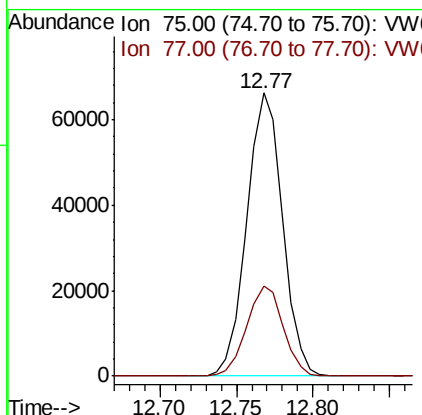
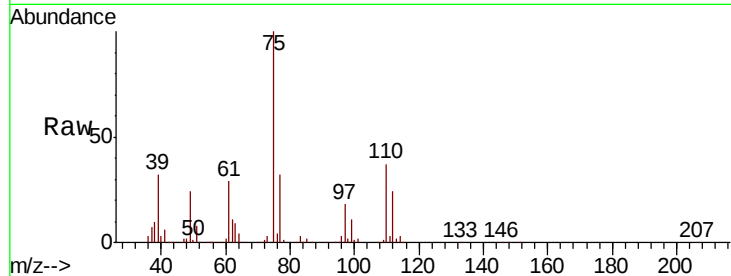




#59
 1,2,3-Trichloropropane
 Concen: 26.263 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW011802.D
 Acq: 09 Aug 2019 09:56

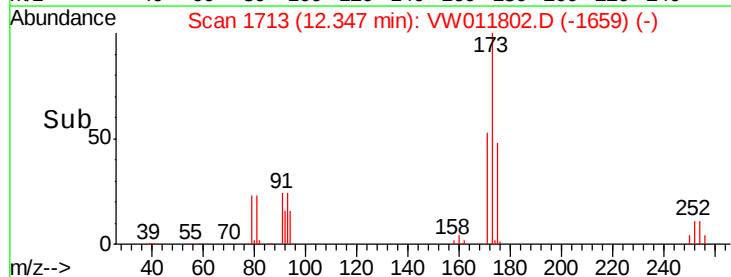
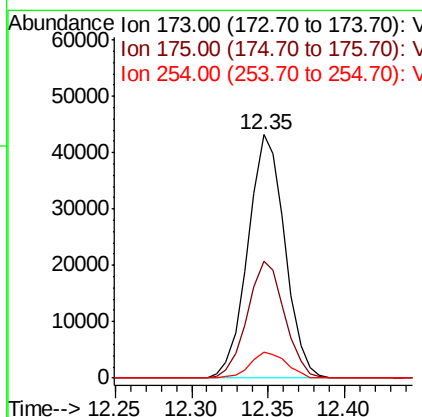
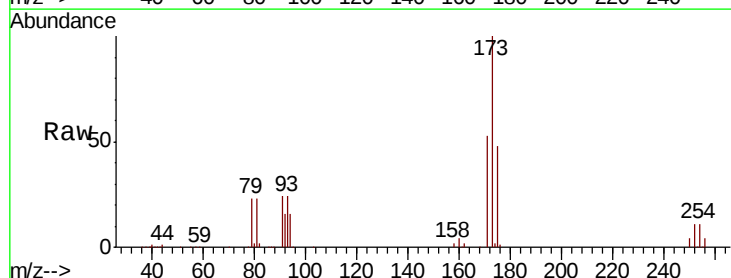
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

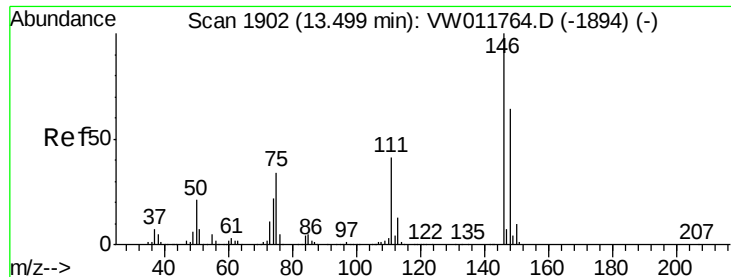
Tgt Ion: 75 Resp: 107726
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.1 37.7



#62
 Bromoform
 Concen: 26.714 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. 0.00 min
 Lab File: VW011802.D
 Acq: 09 Aug 2019 09:56

Tgt Ion: 173 Resp: 72507
 Ion Ratio Lower Upper
 173 100
 175 48.4 39.4 59.0
 254 10.5 9.0 13.6

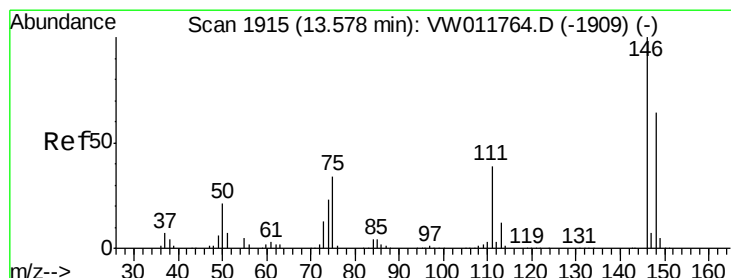
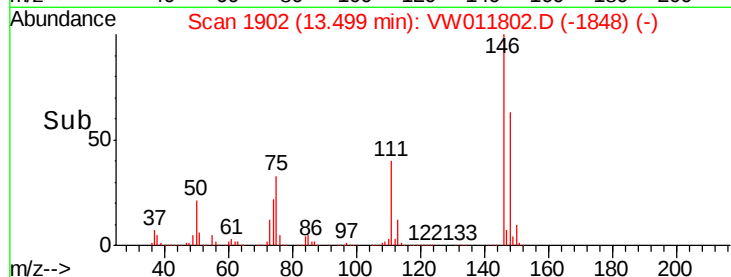
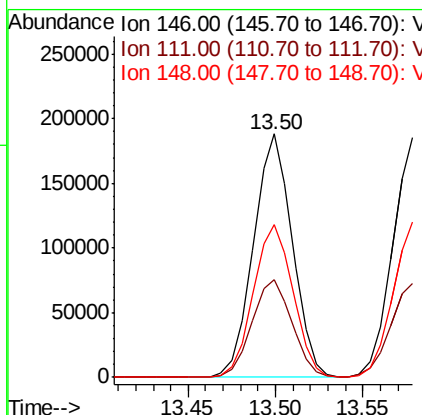
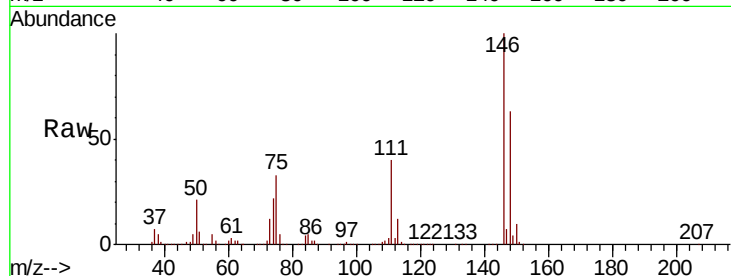




#63
 1,3-Dichlorobenzene
 Concen: 28.212 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011802.D
 Acq: 09 Aug 2019 09:56

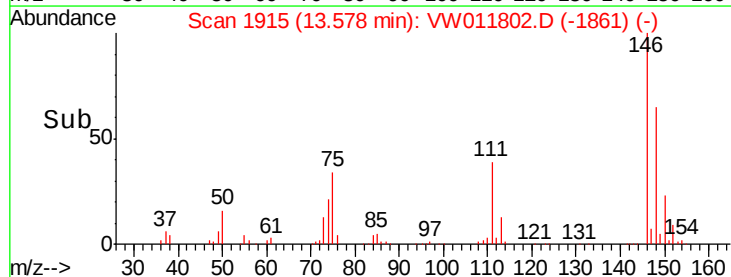
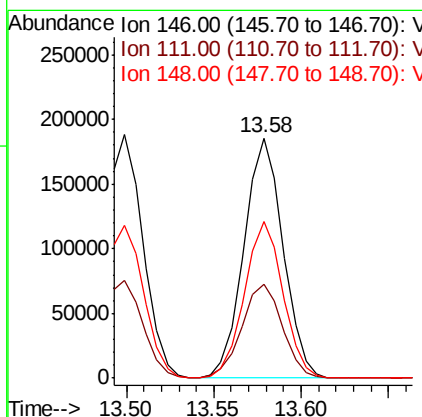
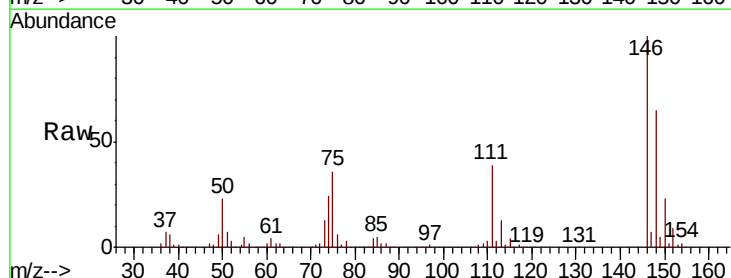
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

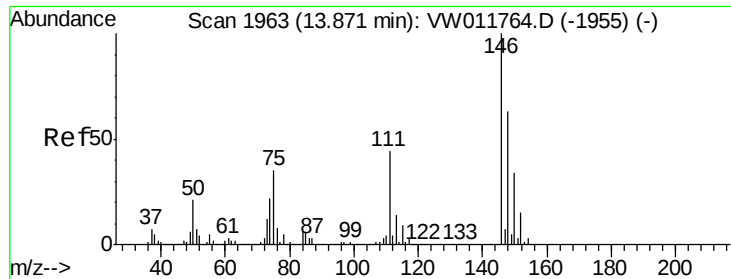
Tgt Ion:146 Resp: 290487
 Ion Ratio Lower Upper
 146 100
 111 40.3 28.6 53.2
 148 62.8 44.4 82.5



#64
 1,4-Dichlorobenzene
 Concen: 27.968 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW011802.D
 Acq: 09 Aug 2019 09:56

Tgt Ion:146 Resp: 289196
 Ion Ratio Lower Upper
 146 100
 111 39.0 27.4 51.0
 148 64.9 44.4 82.5

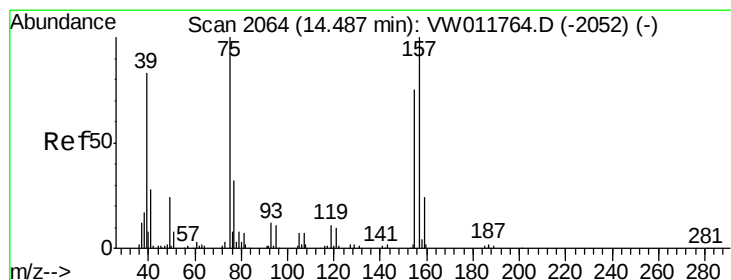
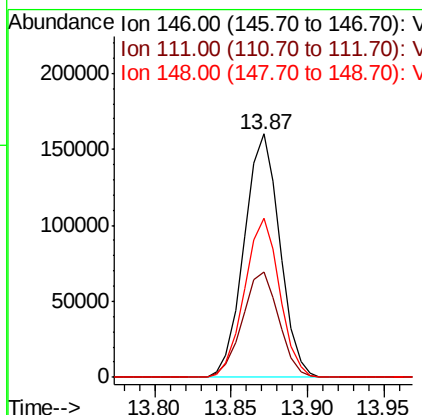
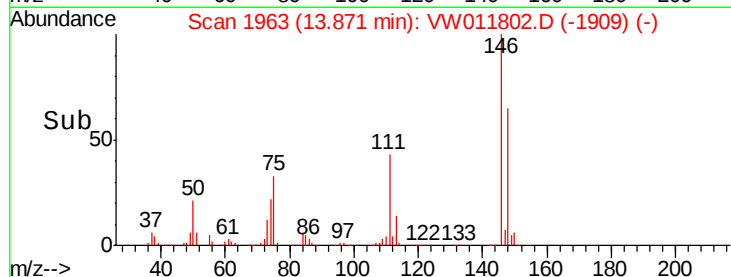
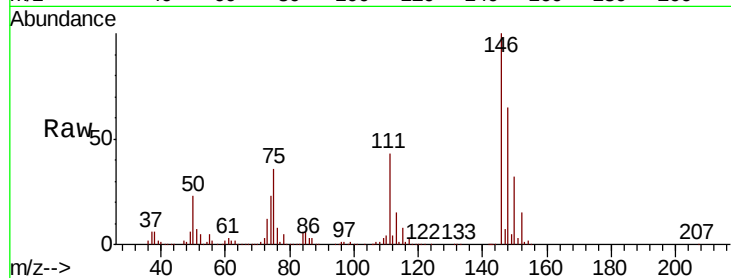




#65
 1,2-Dichlorobenzene
 Concen: 27.783 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011802.D
 Acq: 09 Aug 2019 09:56

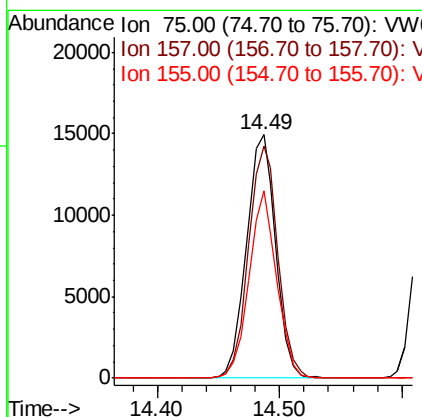
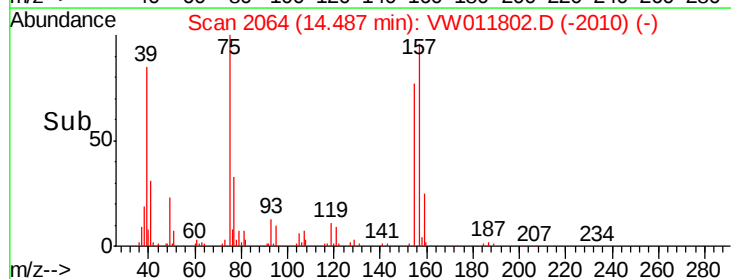
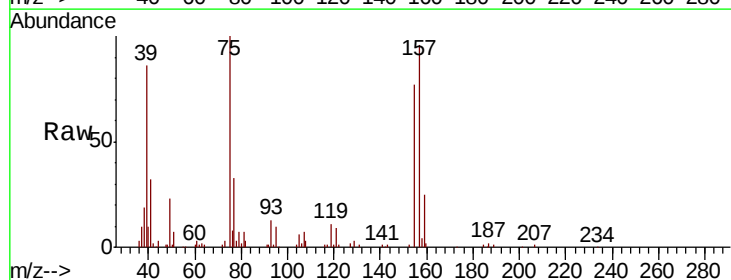
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

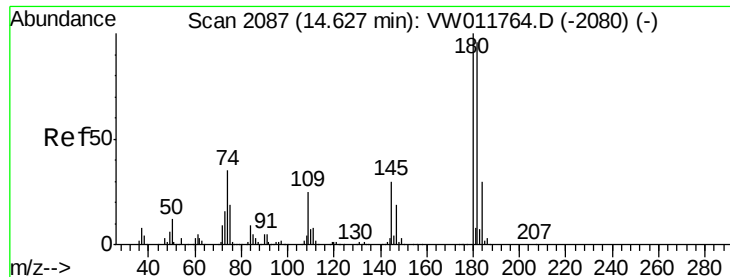
Tgt Ion: 146 Resp: 259040
 Ion Ratio Lower Upper
 146 100
 111 43.3 34.6 51.8
 148 65.4 50.9 76.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 25.621 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW011802.D
 Acq: 09 Aug 2019 09:56

Tgt Ion: 75 Resp: 24724
 Ion Ratio Lower Upper
 75 100
 157 95.5 79.3 118.9
 155 76.8 59.9 89.9

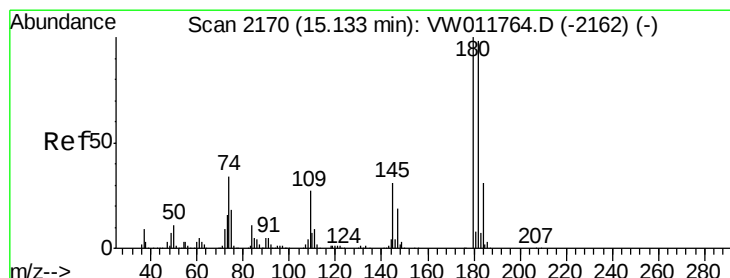
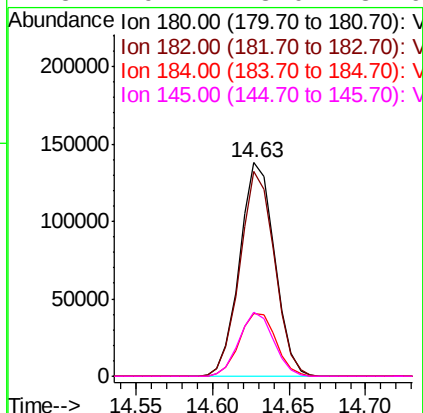
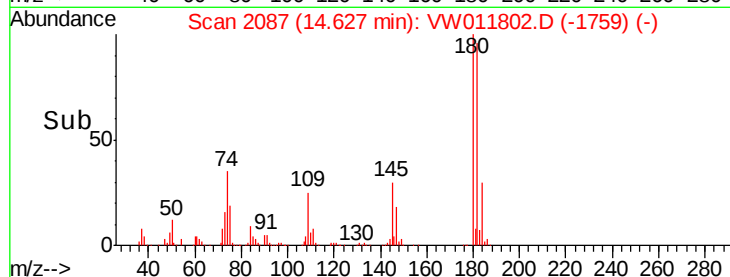
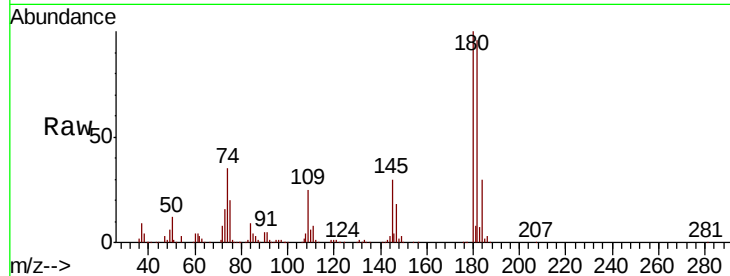




#67
 1,3,5-Trichlorobenzene
 Concen: 28.926 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW011802.D
 Acq: 09 Aug 2019 09:56

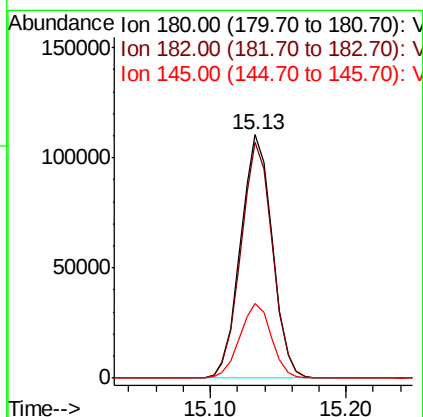
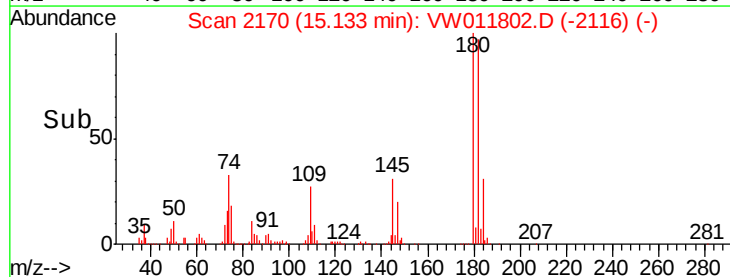
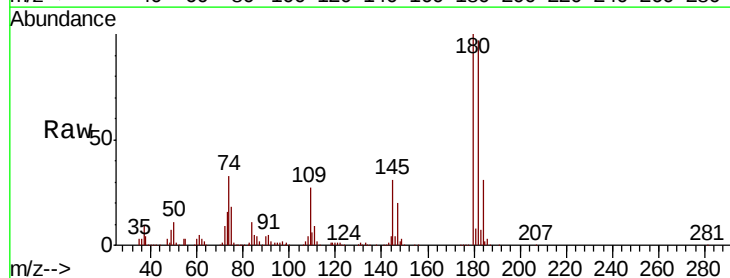
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

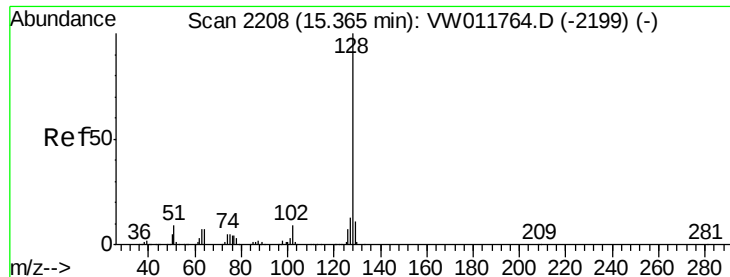
Tgt Ion:	180	Resp:	219216
Ion	Ratio	Lower	Upper
180	100		
182	94.9	75.9	113.9
184	30.9	24.2	36.2
145	29.7	23.0	34.6



#68
 1,2,4-trichlorobenzene
 Concen: 29.512 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW011802.D
 Acq: 09 Aug 2019 09:56

Tgt Ion:	180	Resp:	180125
Ion	Ratio	Lower	Upper
180	100		
182	96.6	77.3	115.9
145	30.6	24.3	36.5





#69

Naphthalene

Concen: 28.897 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW011802.D

Acq: 09 Aug 2019 09:56

Instrument :

MSVOA_W

ClientSampled :

VSTD02510

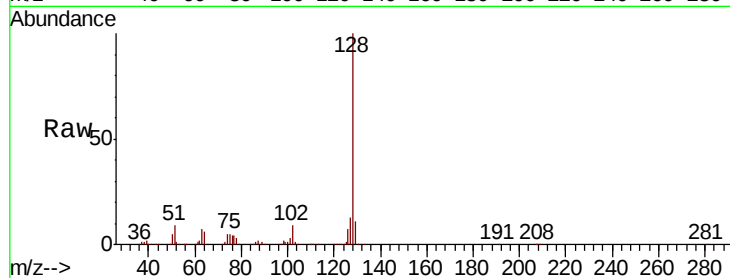
Tgt Ion:128 Resp: 355181

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

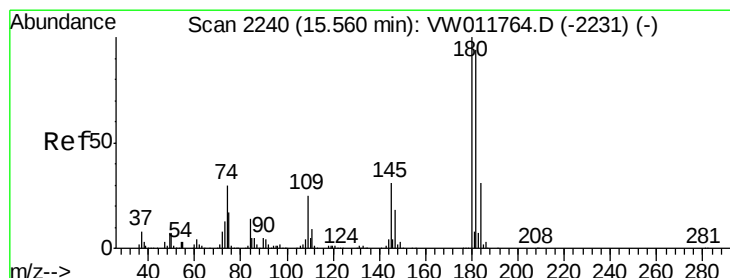
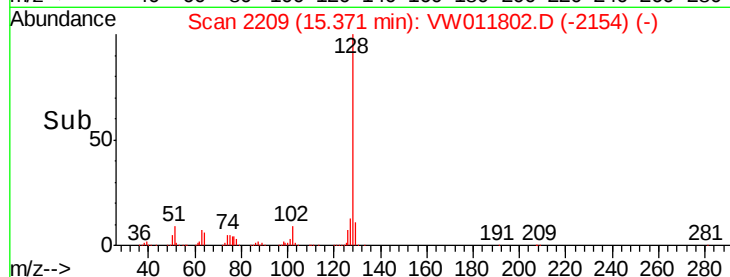
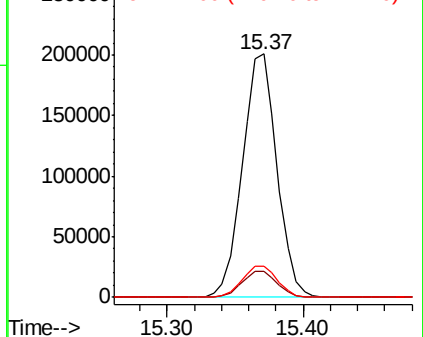
127 13.3 10.6 16.0



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: 29.151 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW011802.D

Acq: 09 Aug 2019 09:56

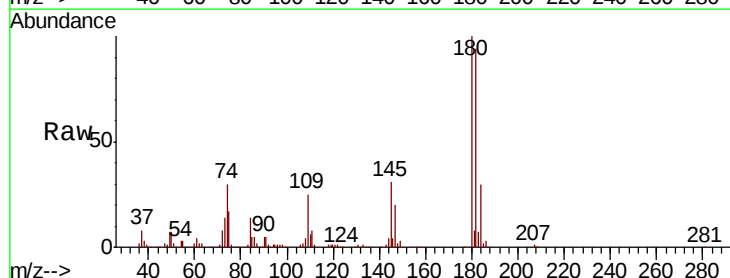
Tgt Ion:180 Resp: 164787

Ion Ratio Lower Upper

180 100

182 95.4 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

