

Data File : VW015021.D
Acq On : 20 Feb 2020 16:58
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02526

Quant Time: Feb 21 02:00:49 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM020520S.M
Quant Title : VOC Analysis
QLast Update : Fri Feb 21 01:58:19 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	761660	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	695348	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	318602	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	271735	21.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.20%
7) Chloroethane-d5	2.89	69	240825	23.86	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.44%
10) 1,1-Dichloroethene-d2	4.02	63	554191	24.06	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.24%
20) 2-Butanone-d5	7.07	46	186972	52.84	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.68%
24) Chloroform-d	7.65	84	557688	25.79	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	103.16%
26) 1,2-Dichloroethane-d4	8.30	65	315550	26.37	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.48%
29) Benzene-d6	8.27	84	1058344	23.67	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.68%
33) 1,2-Dichloropropane-d6	9.27	67	366915	25.18	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.72%
37) Toluene-d8	10.32	98	913001	23.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.80%
38) trans-1,3-Dichloropropene-	10.57	79	136893	23.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.16%
39) 2-Hexanone-d5	10.92	63	134488	50.63	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.26%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	272524	24.84	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	99.36%
61) 1,2-Dichlorobenzene-d4	13.85	152	257716	20.86	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	83.44%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	146908	18.761 ug/L	89
3) Chloromethane	2.21	50	283403	23.885 ug/L	99
5) Vinyl chloride	2.37	62	373758	24.125 ug/L	99
6) Bromomethane	2.78	94	163849	21.150 ug/L	98
8) Chloroethane	2.93	64	211357	24.934 ug/L	99
9) Trichlorofluoromethane	3.26	101	173835	27.757 ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	268280	24.267 ug/L	92
12) 1,1-Dichloroethene	4.04	96	243763	22.561 ug/L	88
13) Acetone	4.12	43	161924	44.330 ug/L	98
14) Carbon disulfide	4.38	76	761753	23.481 ug/L	100
15) Methyl Acetate	4.67	43	161719	26.905 ug/L	94
16) Methylene chloride	4.92	84	293189	21.129 ug/L	81
17) Methyl tert-butyl Ether	5.43	73	339662	24.063 ug/L	95
18) trans-1,2-Dichloroethene	5.42	96	250337	22.868 ug/L	84
19) 1,1-Dichloroethane	6.21	63	597269	26.931 ug/L	98
21) 2-Butanone	7.16	43	214051	50.052 ug/L	96
22) cis-1,2-Dichloroethene	7.16	96	276107	23.318 ug/L	91

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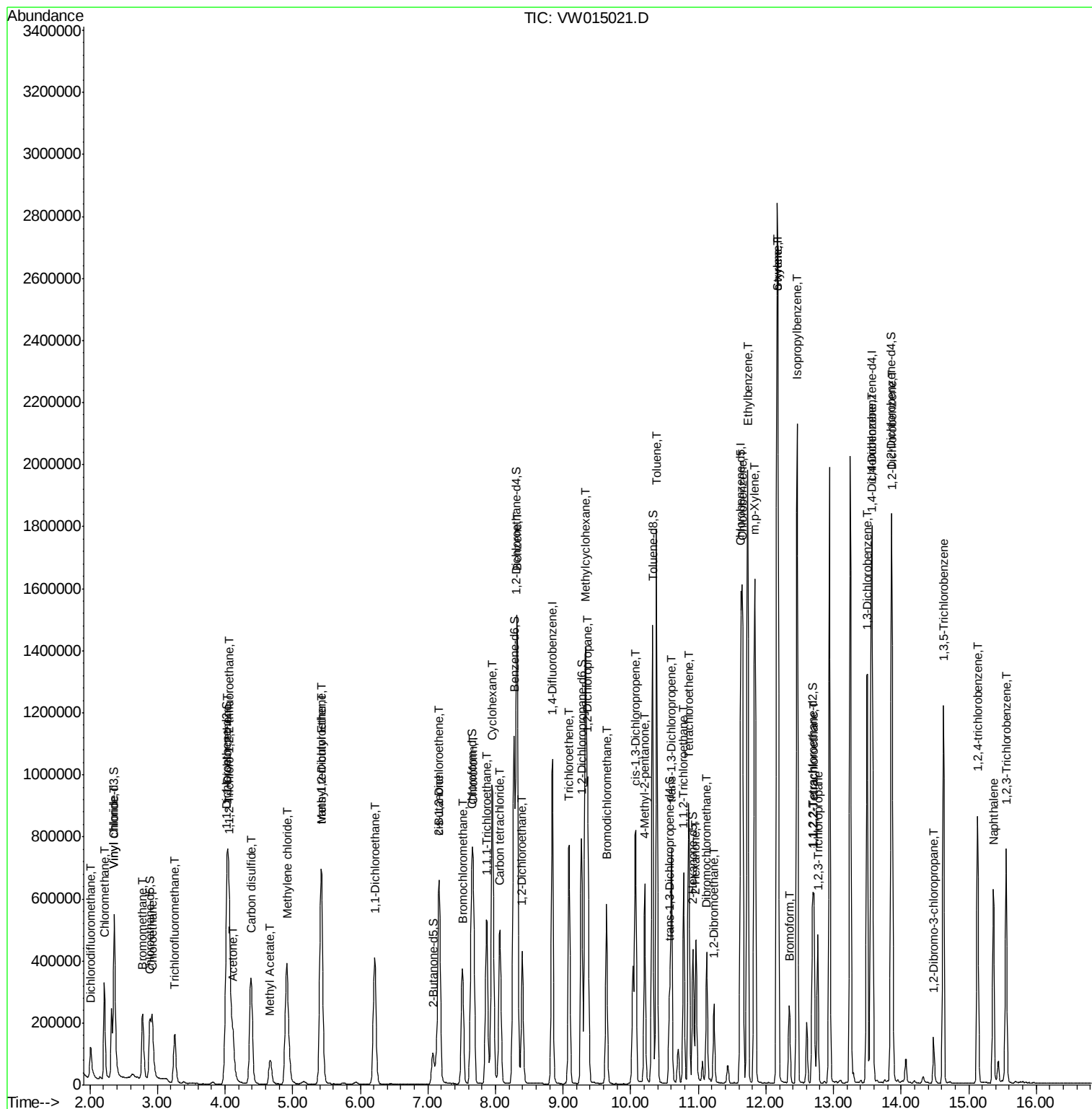
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	106327	21.887	ug/L #	79
25) Chloroform	7.67	83	536924	26.355	ug/L	99
27) 1,2-Dichloroethane	8.40	62	384788	27.396	ug/L	96
30) Cyclohexane	7.95	56	533032	25.727	ug/L	93
31) 1,1,1-Trichloroethane	7.87	97	410055	25.863	ug/L	96
32) Carbon tetrachloride	8.07	117	357702	25.098	ug/L	100
34) Benzene	8.32	78	1216583	25.443	ug/L	100
35) Trichloroethene	9.09	95	280352	23.654	ug/L	94
36) Methylcyclohexane	9.34	83	498289	24.135	ug/L	92
40) 1,2-Dichloropropane	9.37	63	344064	26.889	ug/L	99
41) Bromodichloromethane	9.64	83	379106	25.852	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	458018	25.208	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	455712	54.313	ug/L #	94
44) Toluene	10.38	91	1213201	24.993	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	373269	25.511	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	197507	23.447	ug/L	95
47) Tetrachloroethene	10.86	164	177487	20.380	ug/L	95
49) 2-Hexanone	10.96	43	324198	55.009	ug/L #	93
50) Dibromochloromethane	11.13	129	208149	22.992	ug/L	97
51) 1,2-Dibromoethane	11.23	107	174196	22.226	ug/L	100
52) Chlorobenzene	11.66	112	675440	22.759	ug/L	94
53) Ethylbenzene	11.73	91	1338340	25.202	ug/L	97
54) m,p-Xylene	11.83	106	468397	24.147	ug/L	94
55) o-xylene	12.16	106	441104	23.894	ug/L	95
56) Styrene	12.18	104	775089	24.842	ug/L	90
57) Isopropylbenzene	12.46	105	1219768	24.602	ug/L	97
58) 1,1,2,2-Tetrachloroethane	12.71	83	263021	25.016	ug/L	95
59) 1,2,3-Trichloropropane	12.77	75	194786	24.625	ug/L	99
62) Bromoform	12.35	173	102865	21.180	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	474825	22.063	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	471581	21.753	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	437920	22.247	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.48	75	41108	24.492	ug/L #	81
67) 1,3,5-Trichlorobenzene	14.63	180	316322	20.522	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	233932	19.209	ug/L	99
69) Naphthalene	15.36	128	469445	19.597	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	214523	19.078	ug/L	97

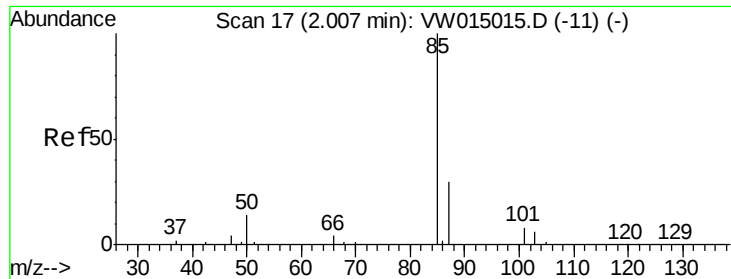
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 18.761 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW015021.D

Acq: 20 Feb 2020 16:58

Instrument :

MSVOA_W

ClientSampleId :

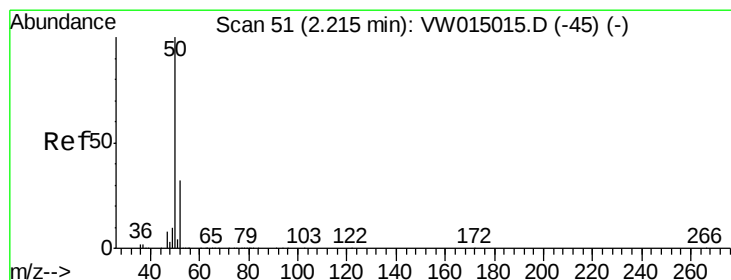
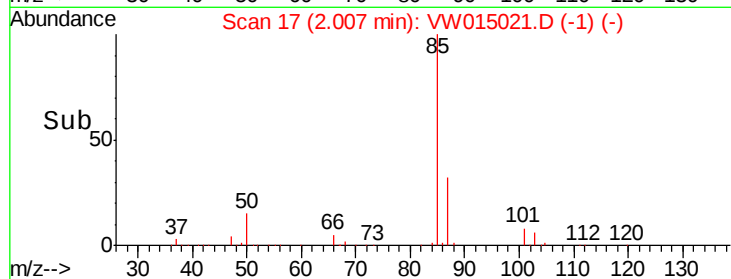
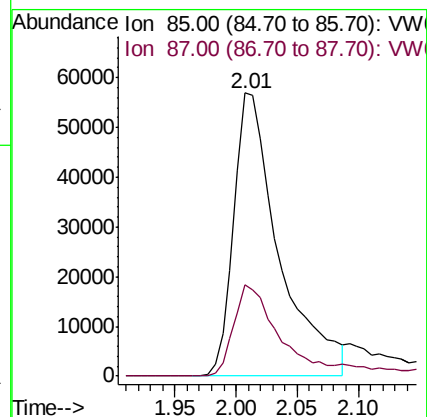
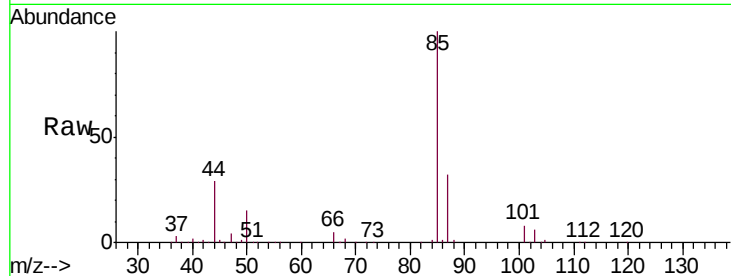
VSTD02526

Tgt Ion: 85 Resp: 146908

Ion Ratio Lower Upper

85 100

87 31.7 18.1 33.7



#3

Chloromethane

Concen: 23.885 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW015021.D

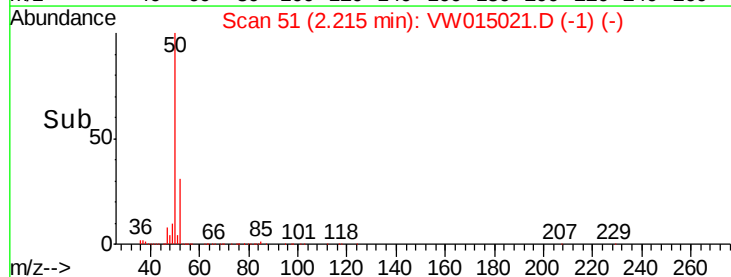
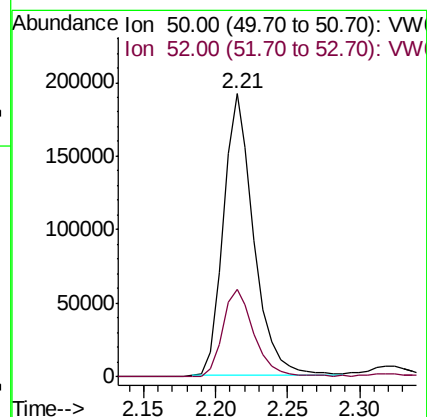
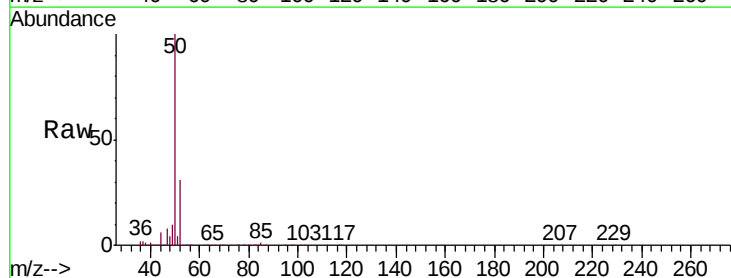
Acq: 20 Feb 2020 16:58

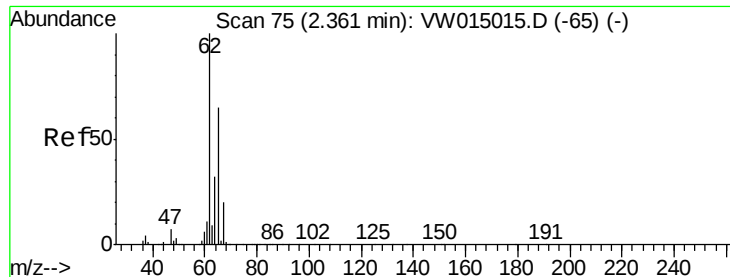
Tgt Ion: 50 Resp: 283403

Ion Ratio Lower Upper

50 100

52 31.1 22.1 41.1





#5

Vinyl chloride

Concen: 24.125 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.01 min

Lab File: VW015021.D

Acq: 20 Feb 2020 16:58

Instrument :

MSVOA_W

ClientSampleId :

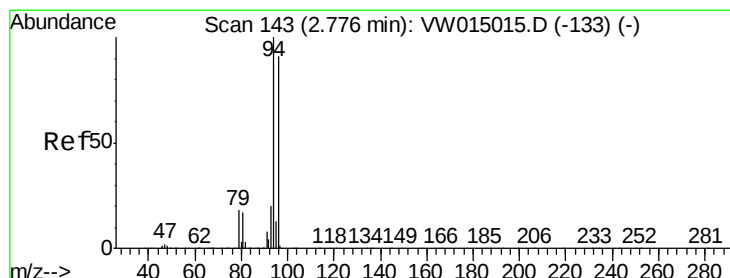
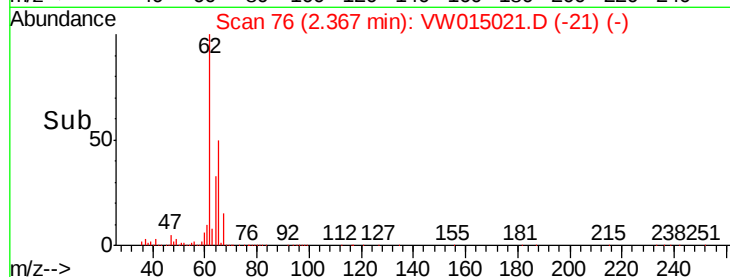
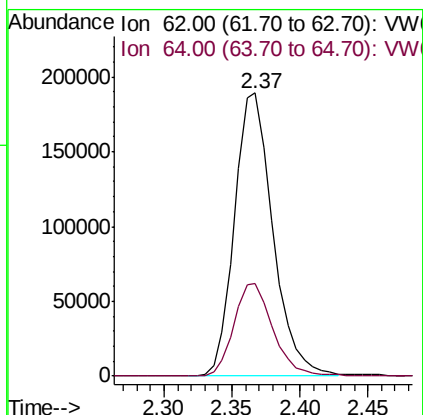
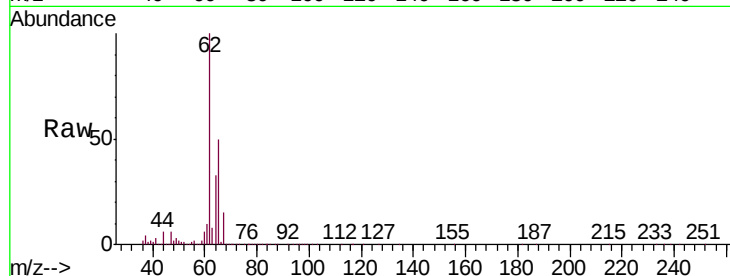
VSTD02526

Tgt Ion: 62 Resp: 373758

Ion Ratio Lower Upper

62 100

64 32.5 22.5 41.9



#6

Bromomethane

Concen: 21.150 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW015021.D

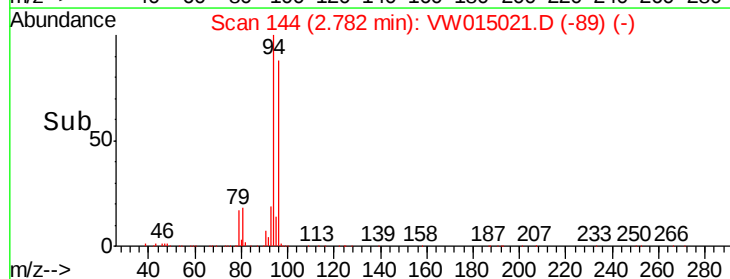
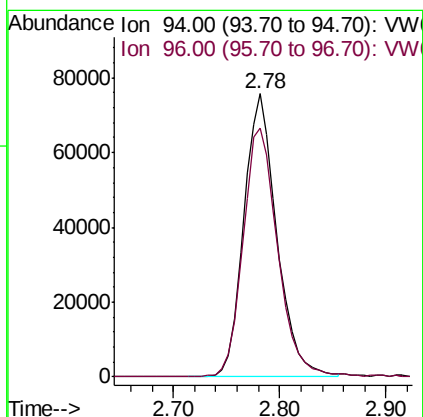
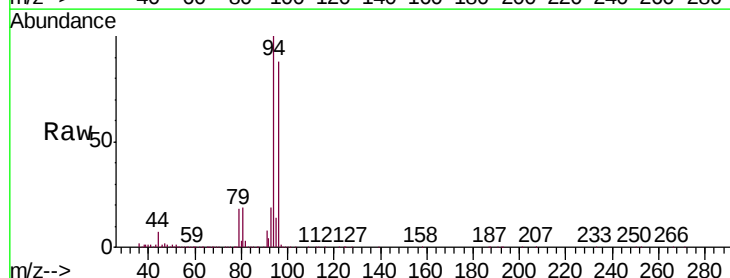
Acq: 20 Feb 2020 16:58

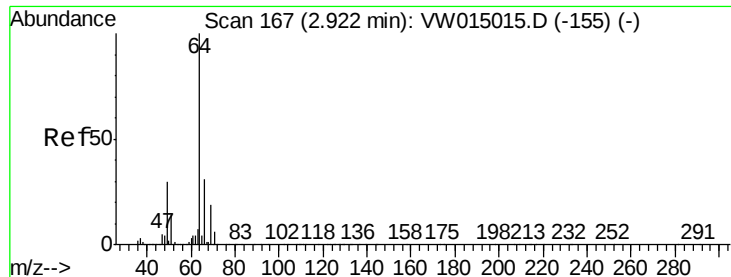
Tgt Ion: 94 Resp: 163849

Ion Ratio Lower Upper

94 100

96 92.2 9.4 178.0





#8

Chloroethane

Concen: 24.934 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW015021.D

Acq: 20 Feb 2020 16:58

Instrument :

MSVOA_W

ClientSampleId :

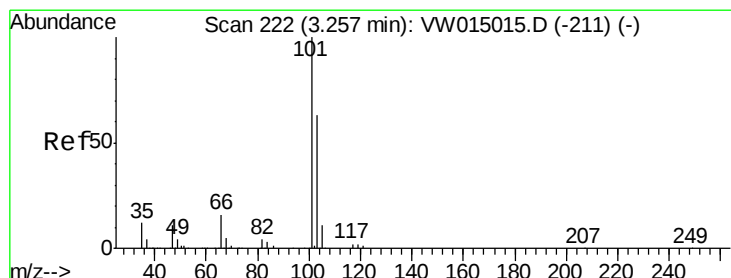
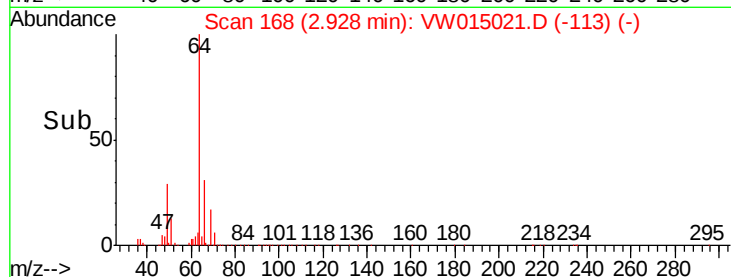
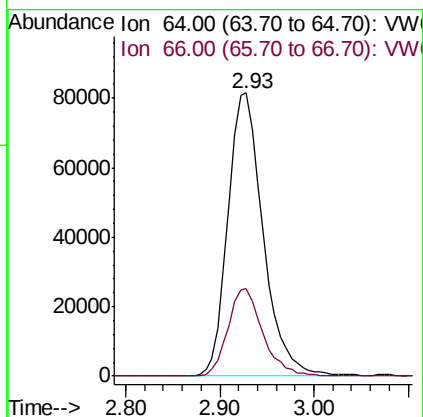
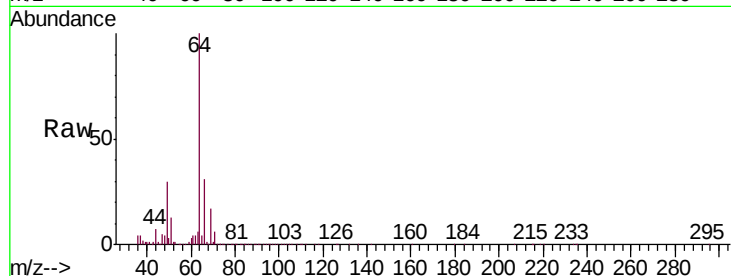
VSTD02526

Tgt Ion: 64 Resp: 211357

Ion Ratio Lower Upper

64 100

66 31.0 21.9 40.7



#9

Trichlorofluoromethane

Concen: 27.757 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW015021.D

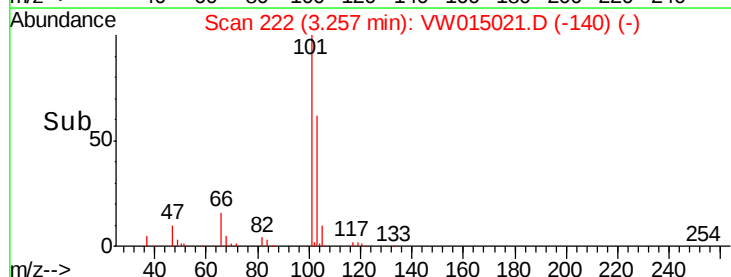
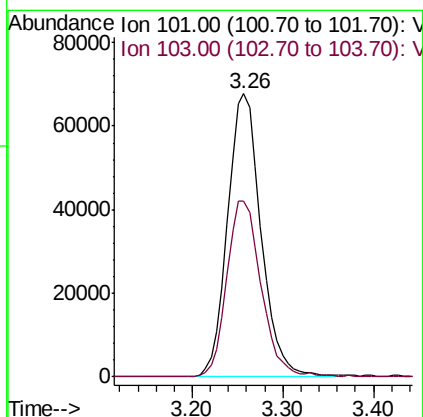
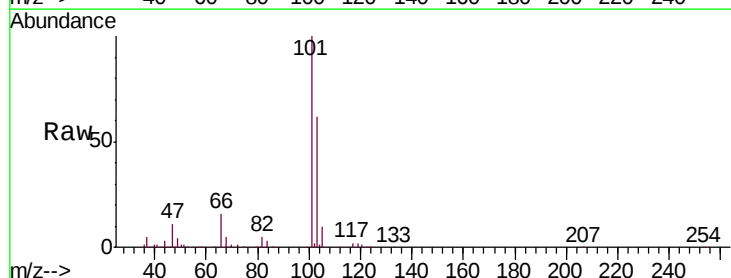
Acq: 20 Feb 2020 16:58

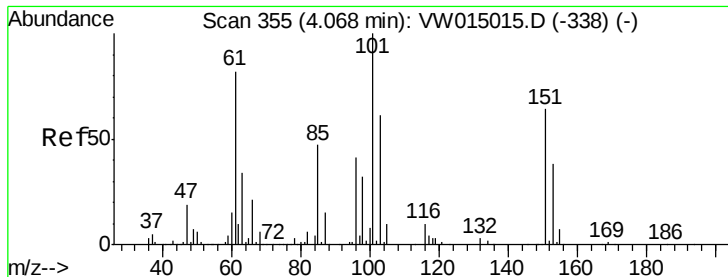
Tgt Ion: 101 Resp: 173835

Ion Ratio Lower Upper

101 100

103 63.2 45.8 85.0





#11

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

Concen: 24.267 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

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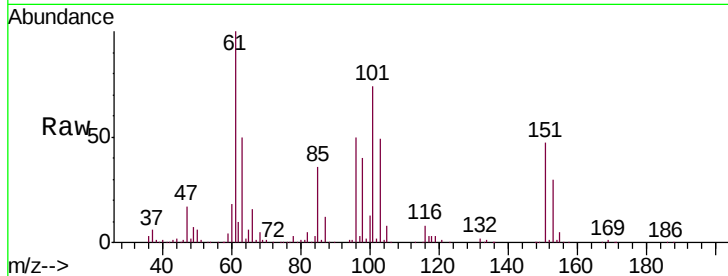
Tgt Ion: 101 Resp: 268280

Ion Ratio Lower Upper

101 100

85 46.1 34.8 52.2

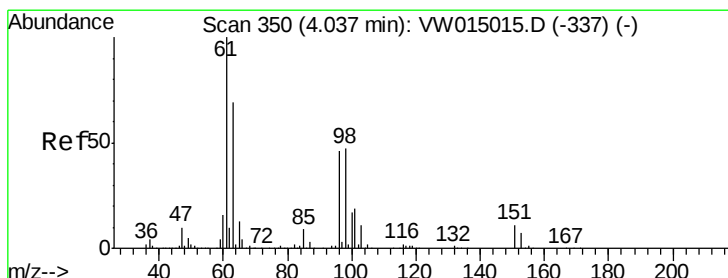
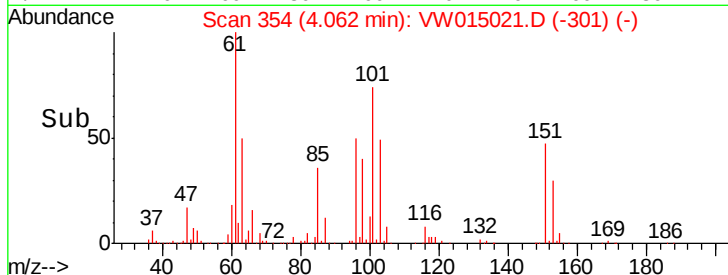
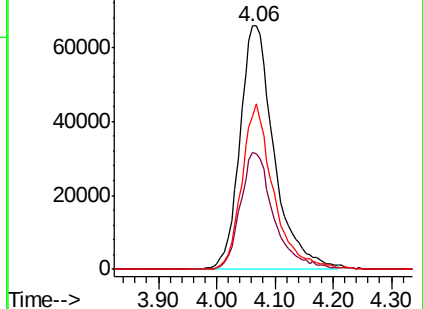
151 62.1 56.3 84.5



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: 22.561 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

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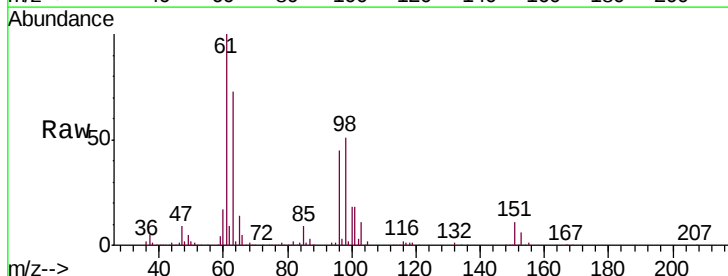
Tgt Ion: 96 Resp: 243763

Ion Ratio Lower Upper

96 100

61 222.5 134.7 250.1

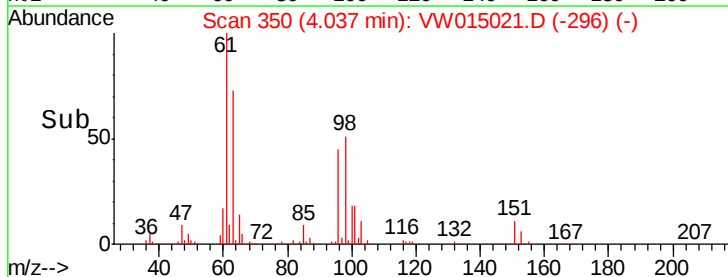
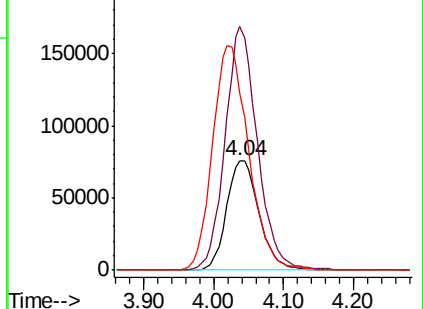
63 161.3 110.2 204.8

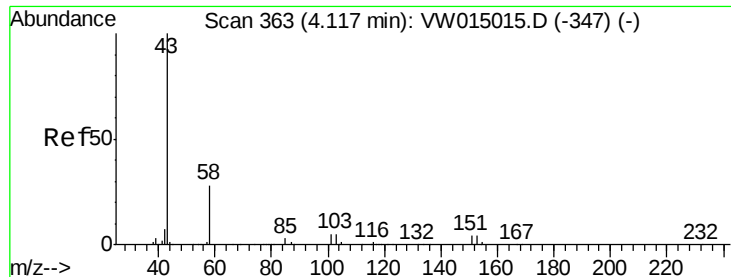


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 44.330 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

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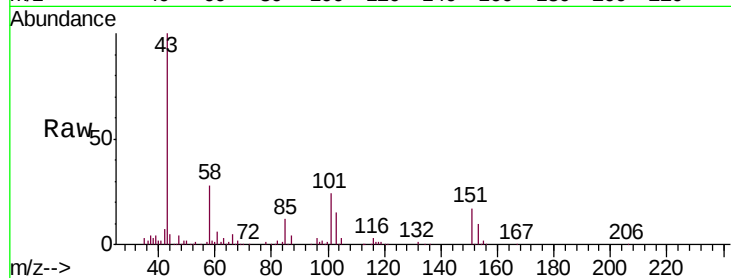
VSTD02526

Tgt Ion: 43 Resp: 161924

Ion Ratio Lower Upper

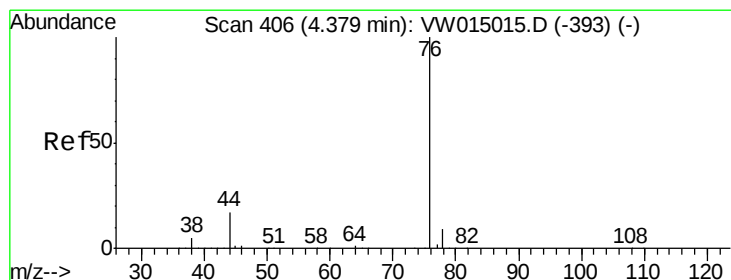
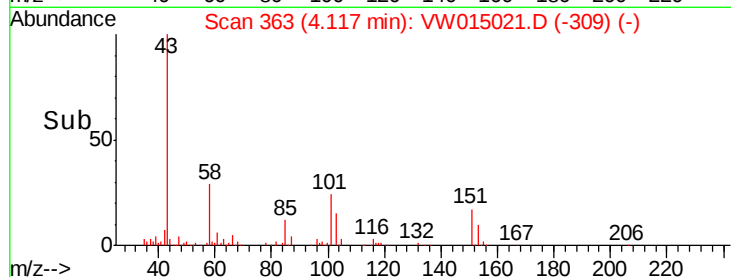
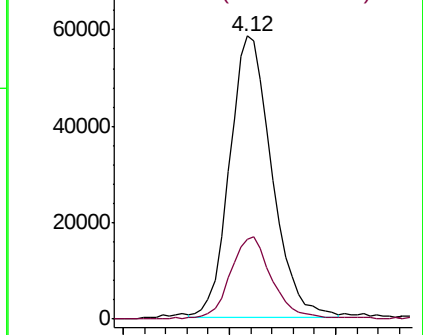
43 100

58 28.9 0.0 60.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 23.481 ug/L

RT: 4.38 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW015021.D

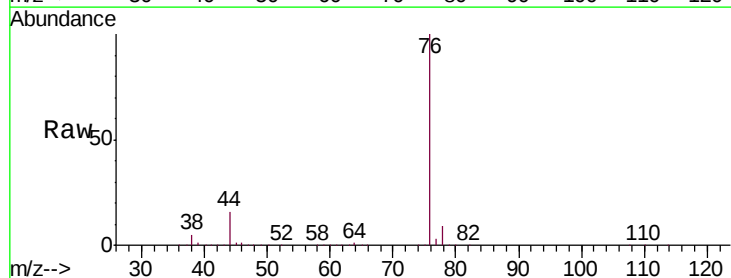
Acq: 20 Feb 2020 16:58

Tgt Ion: 76 Resp: 761753

Ion Ratio Lower Upper

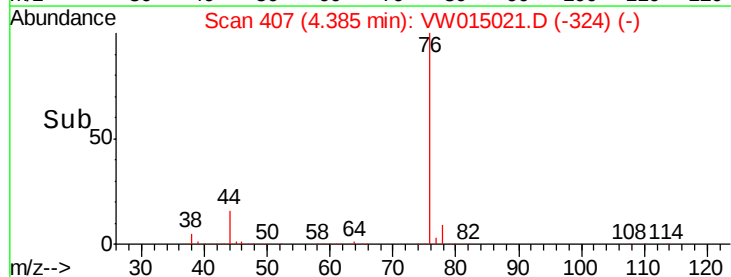
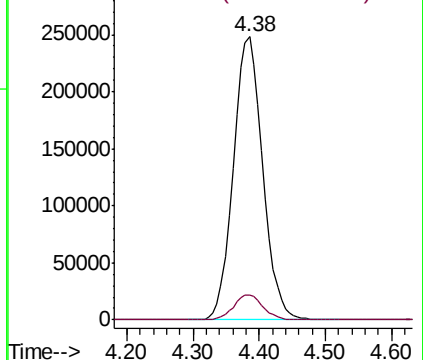
76 100

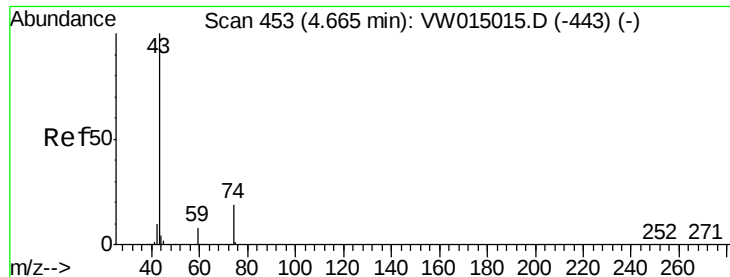
78 8.8 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

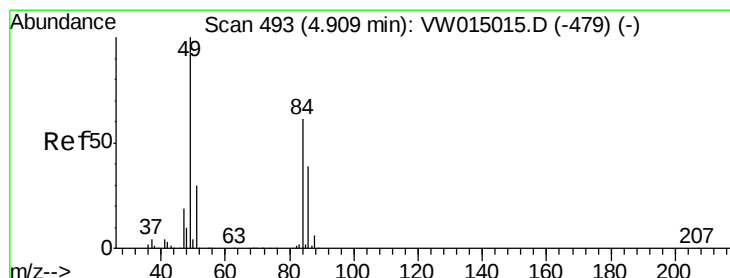
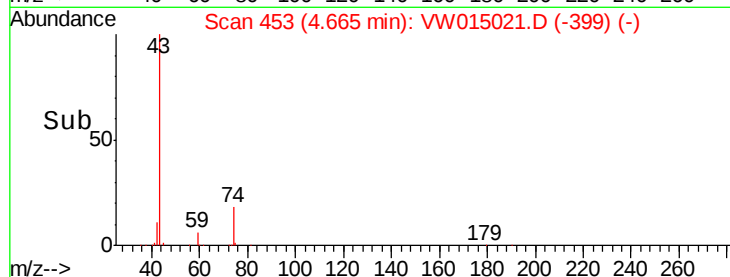
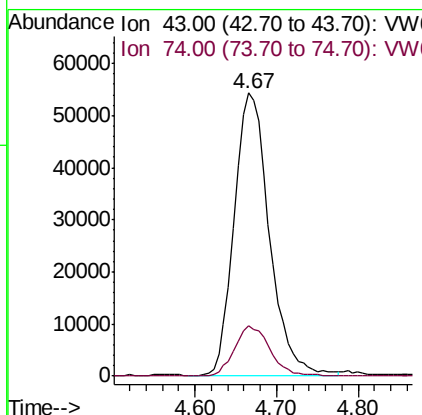
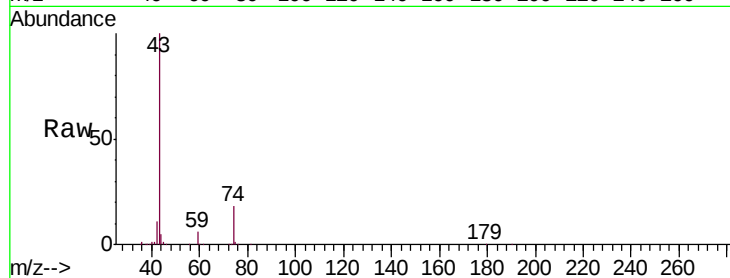




#15
Methyl Acetate
Concen: 26.905 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW015021.D
Acq: 20 Feb 2020 16:58

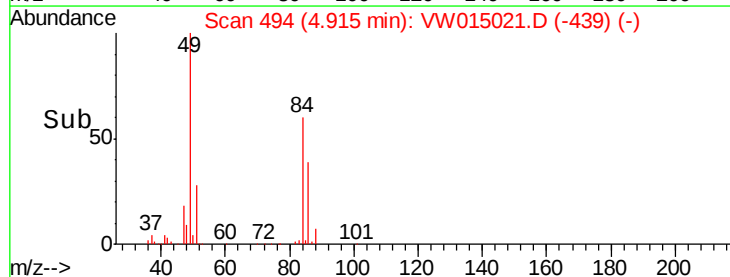
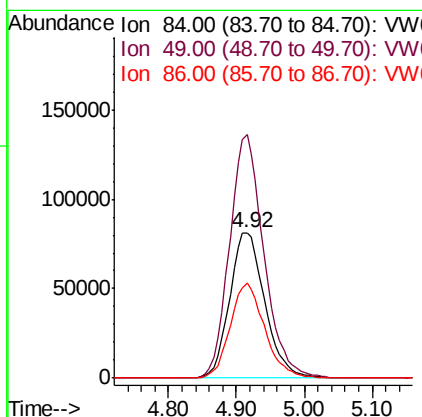
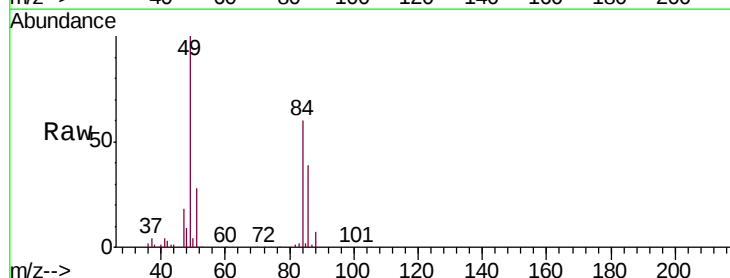
Instrument :
MSVOA_W
ClientSampleId :
VSTD02526

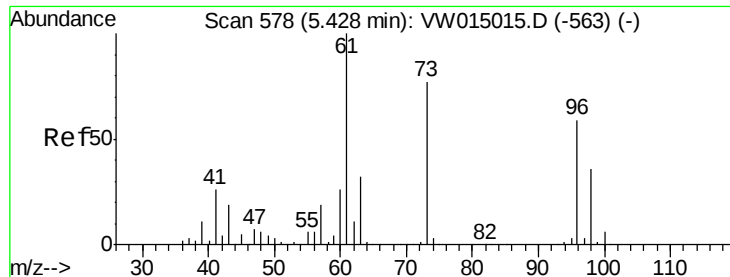
Tgt Ion: 43 Resp: 161719
Ion Ratio Lower Upper
43 100
74 17.9 16.5 24.7



#16
Methylene chloride
Concen: 21.129 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW015021.D
Acq: 20 Feb 2020 16:58

Tgt Ion: 84 Resp: 293189
Ion Ratio Lower Upper
84 100
49 167.5 95.8 177.8
86 65.9 44.2 82.2

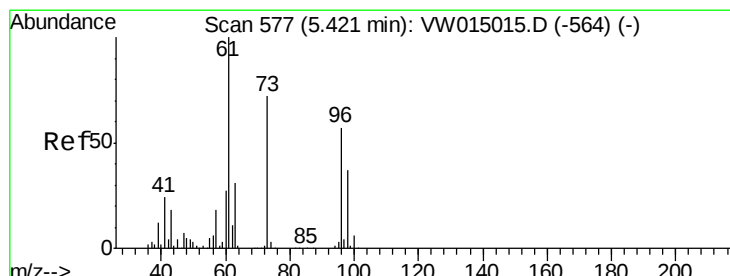
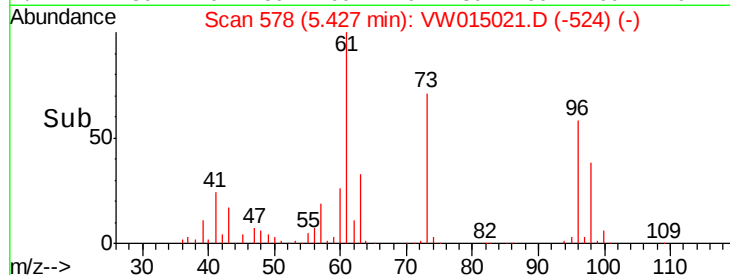
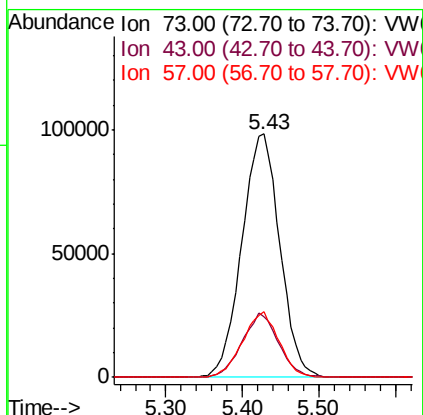
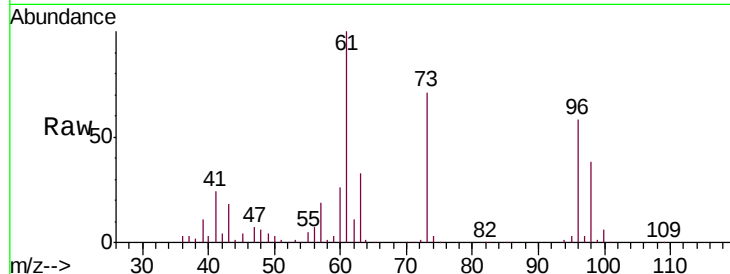




#17
Methyl tert-butyl Ether
Concen: 24.063 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW015021.D
Acq: 20 Feb 2020 16:58

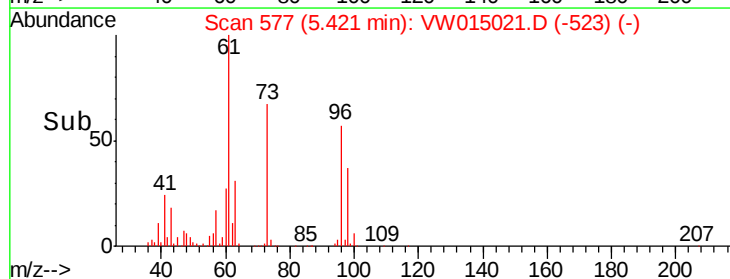
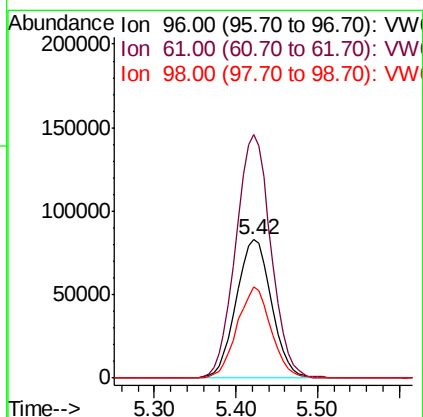
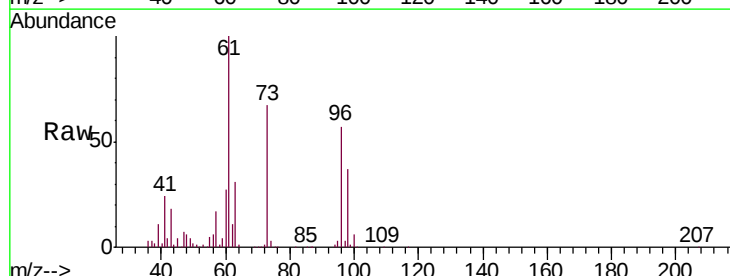
Instrument :
MSVOA_W
ClientSampled :
VSTD02526

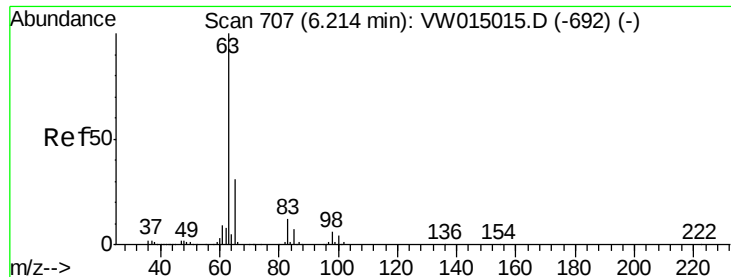
Tgt Ion: 73 Resp: 339662
Ion Ratio Lower Upper
73 100
43 24.8 17.5 26.3
57 25.9 19.4 29.0



#18
trans-1,2-Dichloroethene
Concen: 22.868 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW015021.D
Acq: 20 Feb 2020 16:58

Tgt Ion: 96 Resp: 250337
Ion Ratio Lower Upper
96 100
61 175.9 104.4 194.0
98 65.9 43.8 81.3

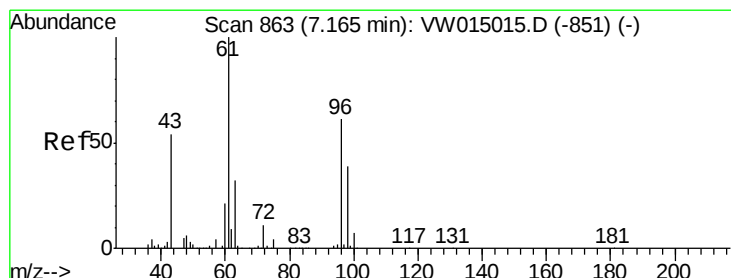
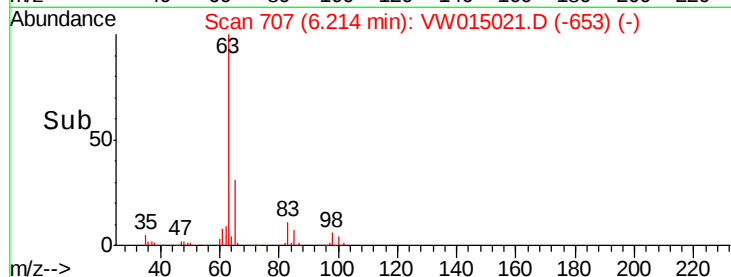
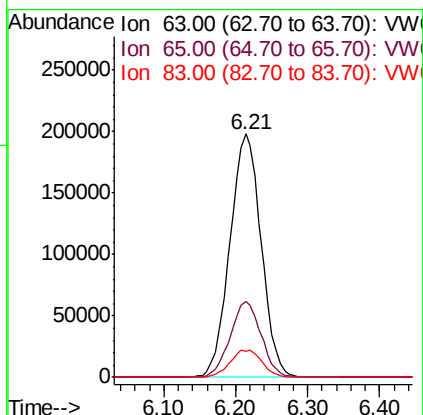
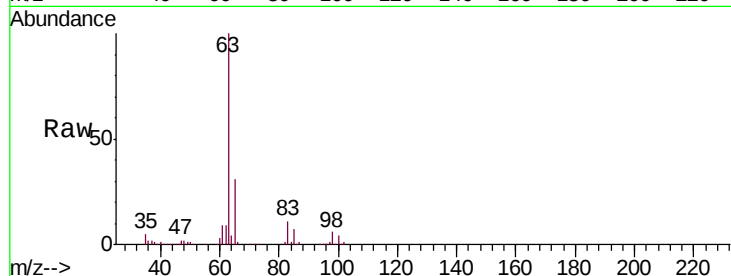




#19
 1,1-Dichloroethane
 Concen: 26.931 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW015021.D
 Acq: 20 Feb 2020 16:58

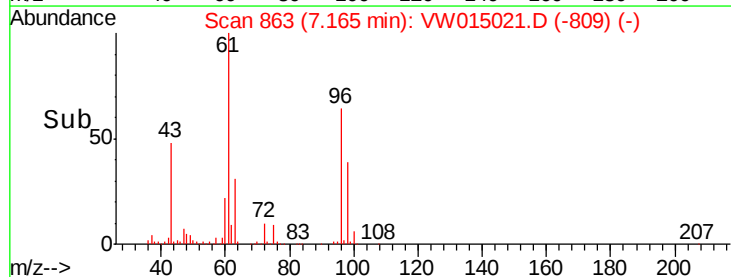
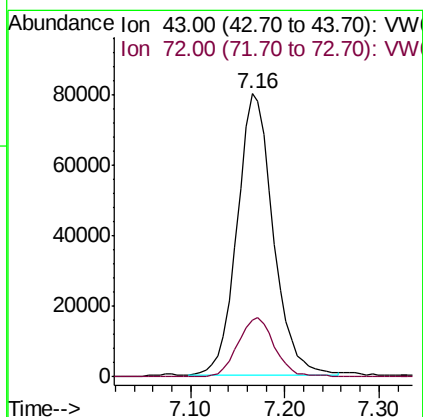
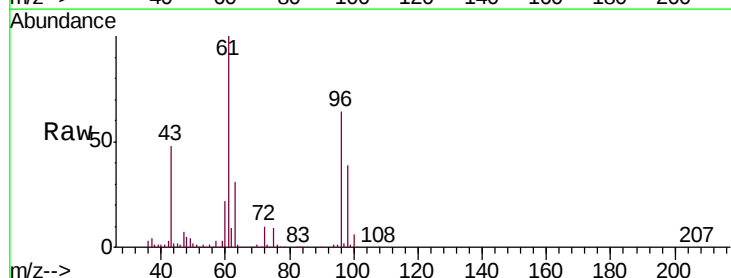
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02526

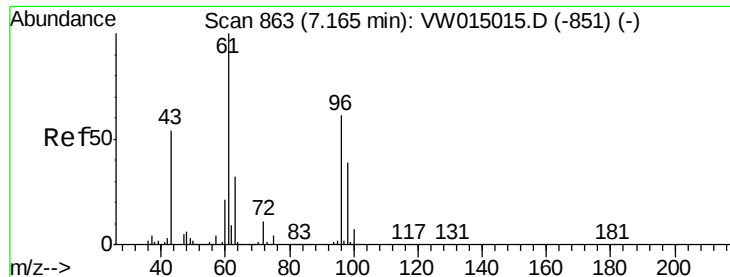
Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.4	21.5	39.9
83	10.8	8.8	16.3



#21
 2-Butanone
 Concen: 50.052 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW015021.D
 Acq: 20 Feb 2020 16:58

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.7	11.9	35.5



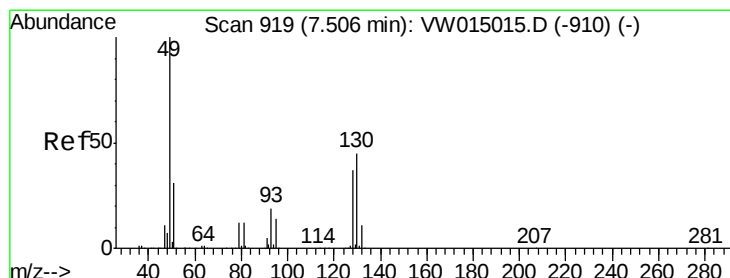
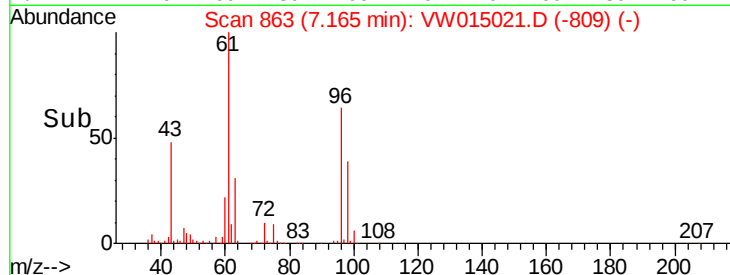
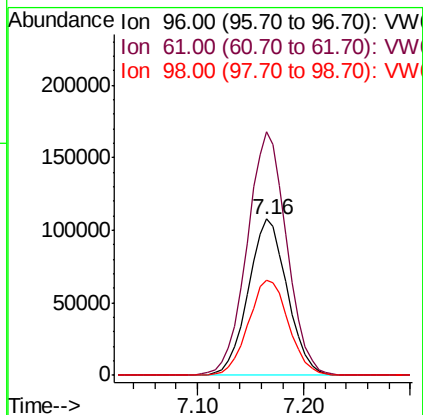
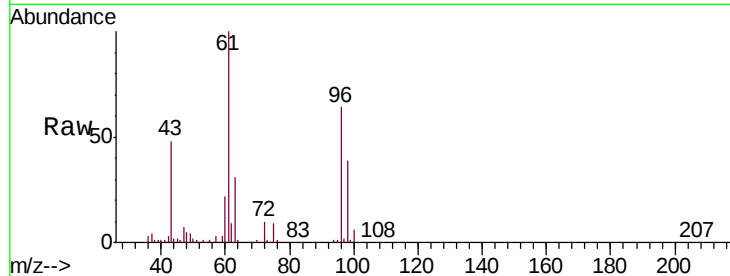


#22

cis-1,2-Dichloroethene
Concen: 23.318 ug/L
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW015021.D
Acq: 20 Feb 2020 16:58

Instrument :
MSVOA_W
ClientSampleId :
VSTD02526

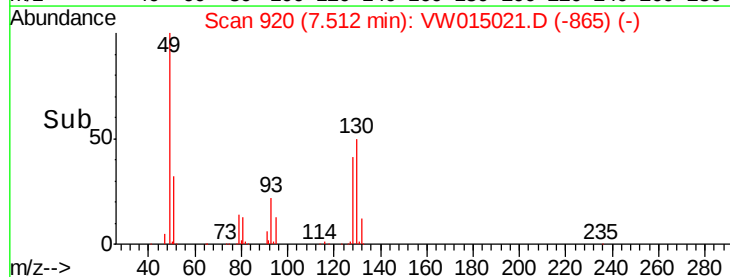
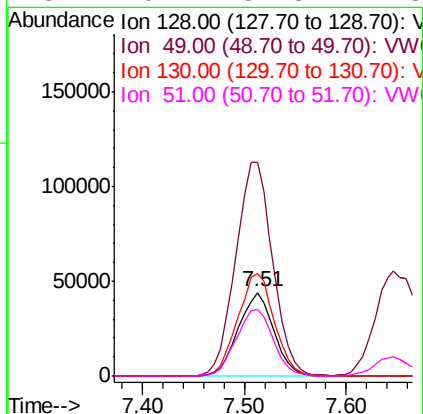
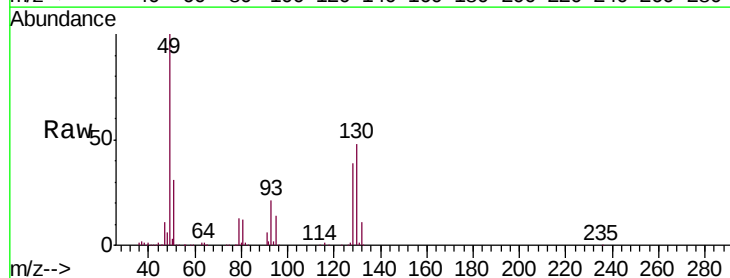
Tgt Ion: 96 Resp: 276107
Ion Ratio Lower Upper
96 100
61 155.7 98.6 183.0
98 60.9 44.2 82.2

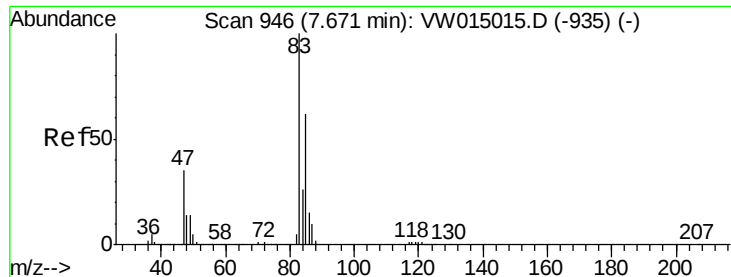


#23

Bromochloromethane
Concen: 21.887 ug/L
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW015021.D
Acq: 20 Feb 2020 16:58

Tgt Ion: 128 Resp: 106327
Ion Ratio Lower Upper
128 100
49 255.5 146.0 271.2
130 122.7 90.9 168.9
51 79.7 51.8 77.8#





#25

Chloroform

Concen: 26.355 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW015021.D

Acq: 20 Feb 2020 16:58

Instrument :

MSVOA_W

ClientSampleId :

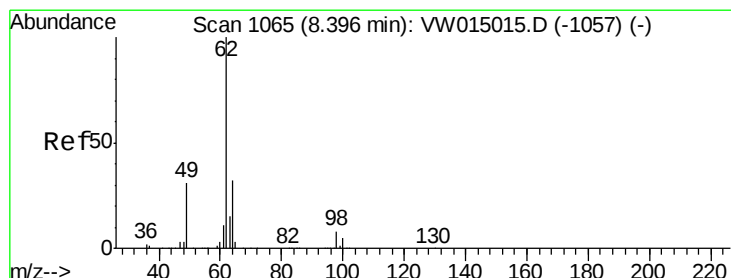
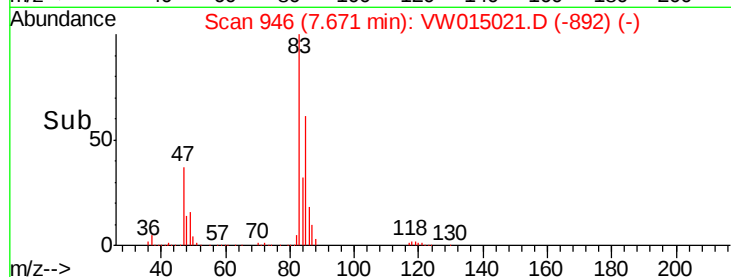
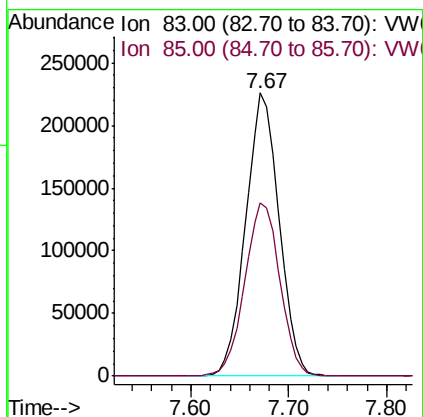
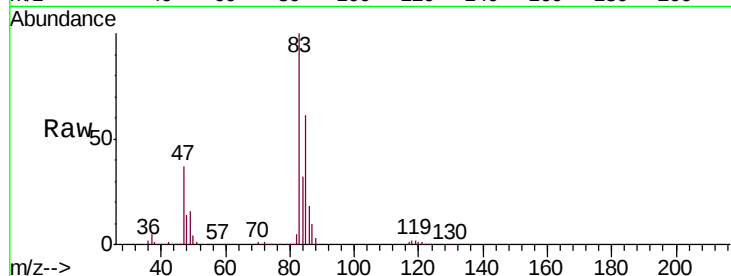
VSTD02526

Tgt Ion: 83 Resp: 536924

Ion Ratio Lower Upper

83 100

85 64.2 45.4 84.4



#27

1,2-Dichloroethane

Concen: 27.396 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW015021.D

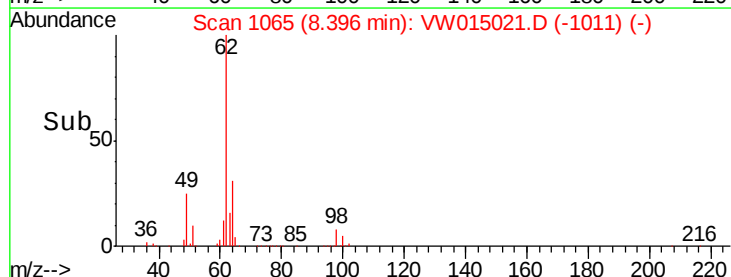
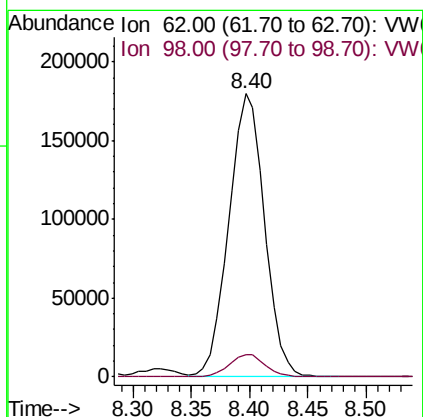
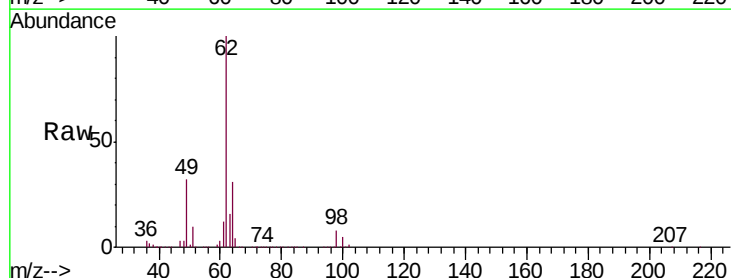
Acq: 20 Feb 2020 16:58

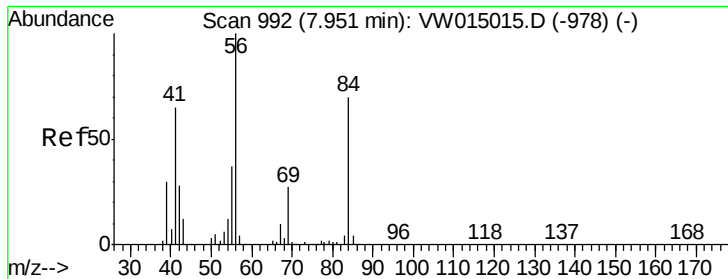
Tgt Ion: 62 Resp: 384788

Ion Ratio Lower Upper

62 100

98 7.6 7.2 10.8

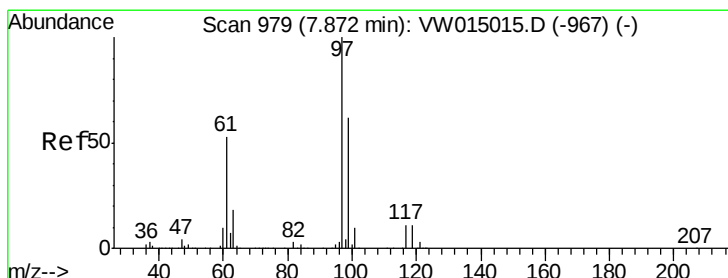
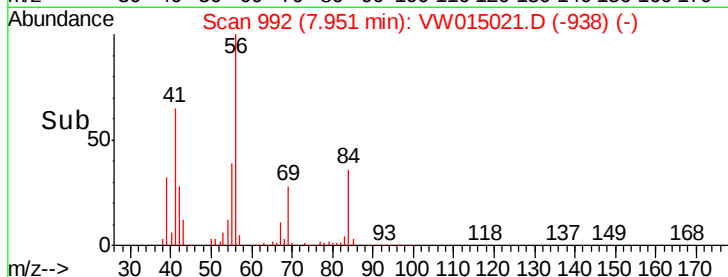
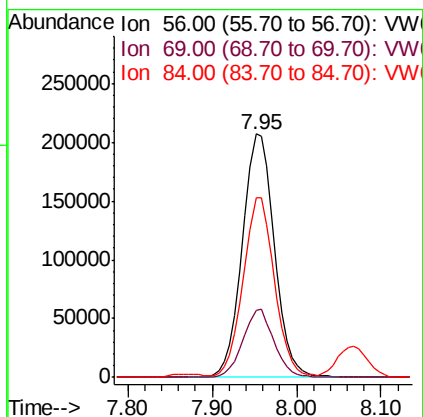
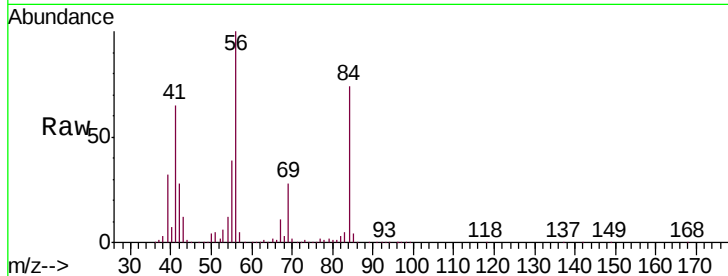




#30
Cyclohexane
Concen: 25.727 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW015021.D
Acq: 20 Feb 2020 16:58

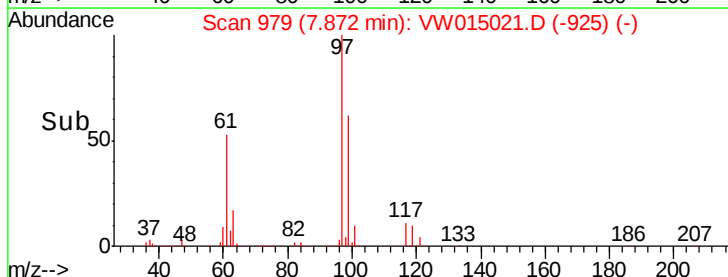
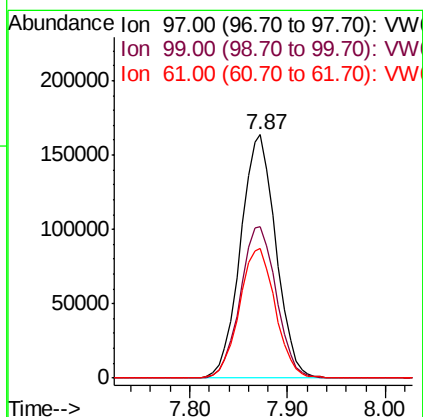
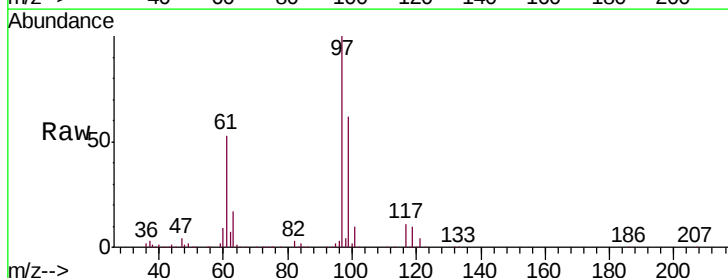
Instrument :
MSVOA_W
ClientSampleId :
VSTD02526

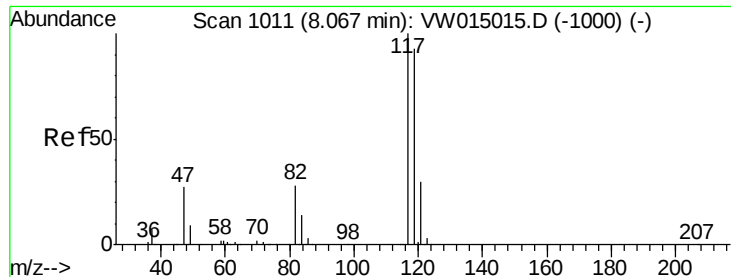
Tgt Ion: 56 Resp: 533032
Ion Ratio Lower Upper
56 100
69 27.0 22.9 34.3
84 72.3 63.8 95.6



#31
1,1,1-Trichloroethane
Concen: 25.863 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW015021.D
Acq: 20 Feb 2020 16:58

Tgt Ion: 97 Resp: 410055
Ion Ratio Lower Upper
97 100
99 63.2 51.0 76.6
61 54.3 38.9 58.3

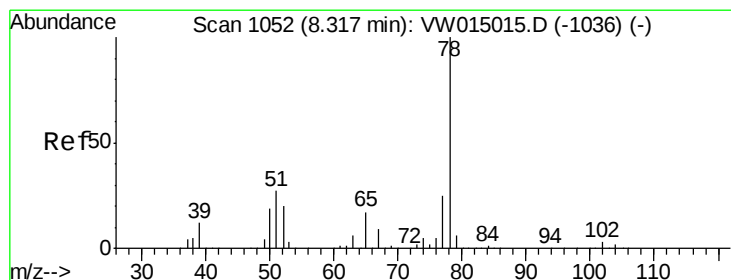
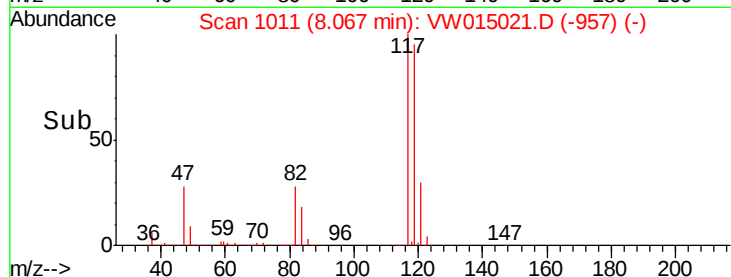
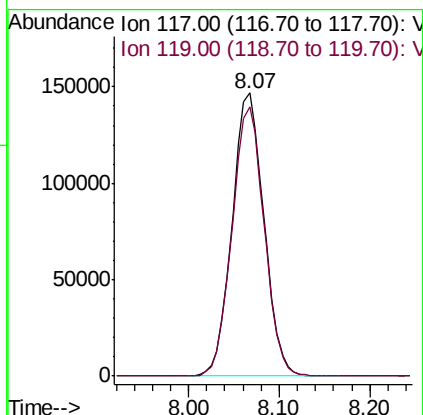
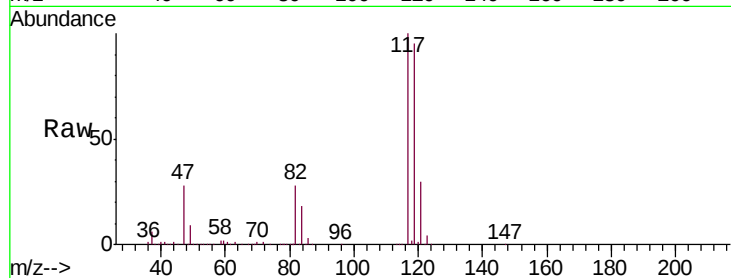




#32
Carbon tetrachloride
Concen: 25.098 ug/L
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW015021.D
Acq: 20 Feb 2020 16:58

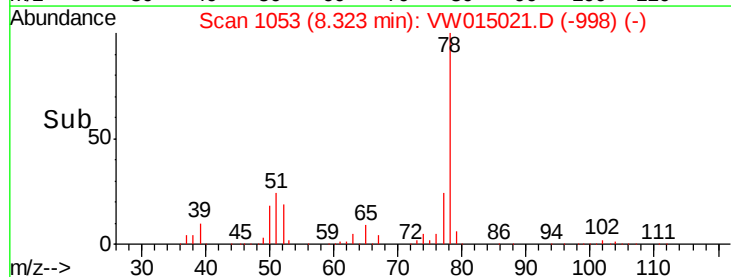
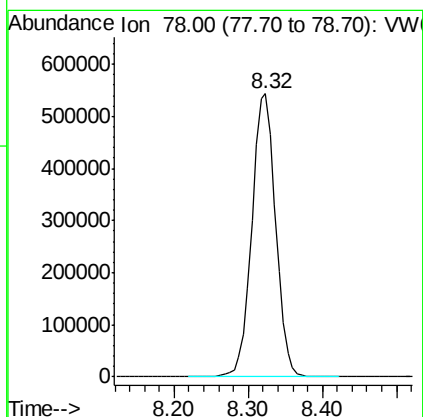
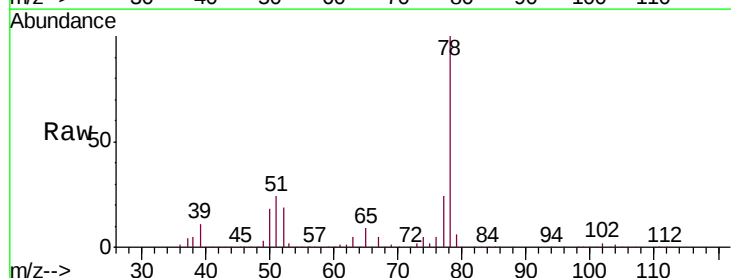
Instrument :
MSVOA_W
ClientSampleId :
VSTD02526

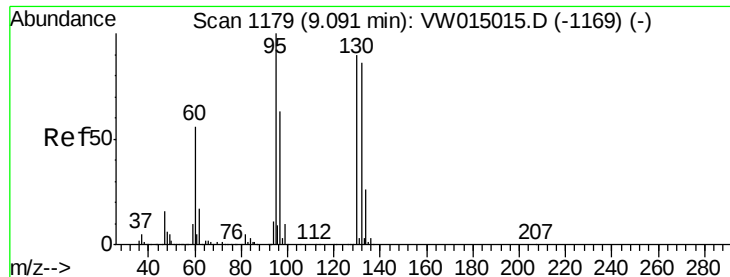
Tgt Ion:117 Resp: 357702
Ion Ratio Lower Upper
117 100
119 95.7 76.3 114.5



#34
Benzene
Concen: 25.443 ug/L
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW015021.D
Acq: 20 Feb 2020 16:58

Tgt Ion: 78 Resp: 1216583

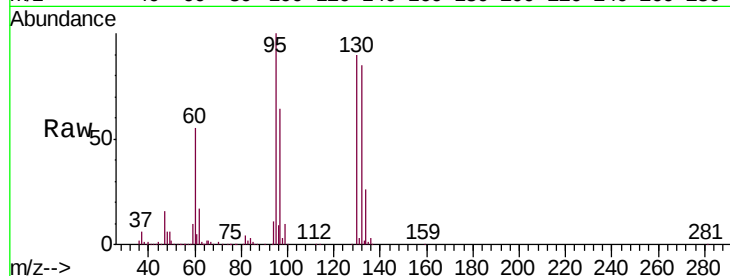




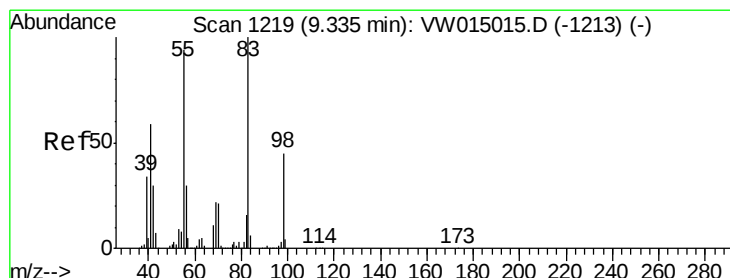
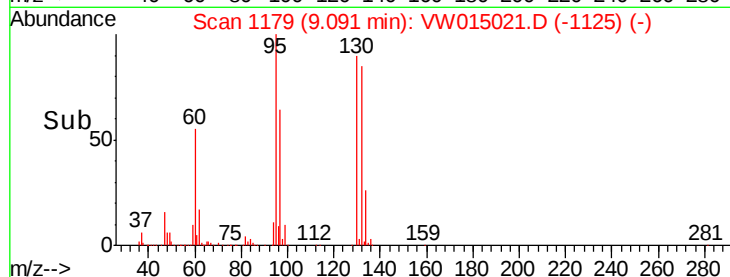
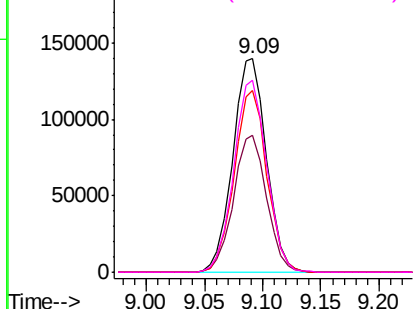
#35
 Trichloroethene
 Concen: 23.654 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW015021.D
 Acq: 20 Feb 2020 16:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02526

Tgt Ion:	95	Resp:	280352
Ion	Ratio	Lower	Upper
95	100		
97	63.3	44.4	82.5
132	83.3	63.6	118.0
130	88.6	67.3	124.9

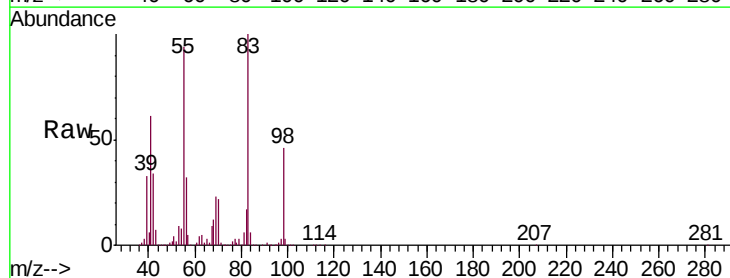


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

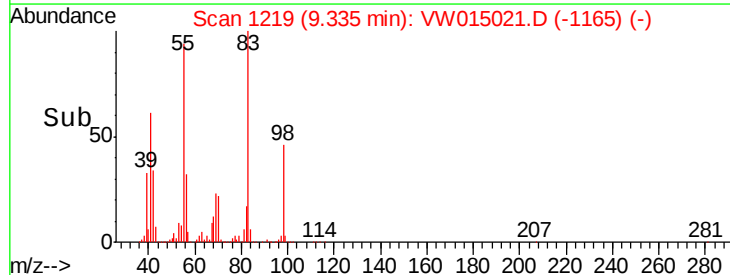
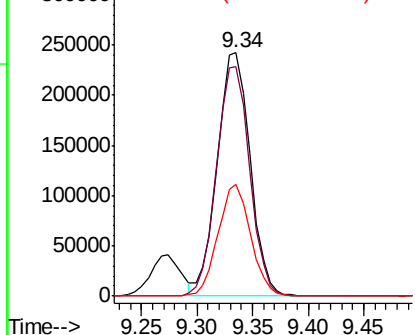


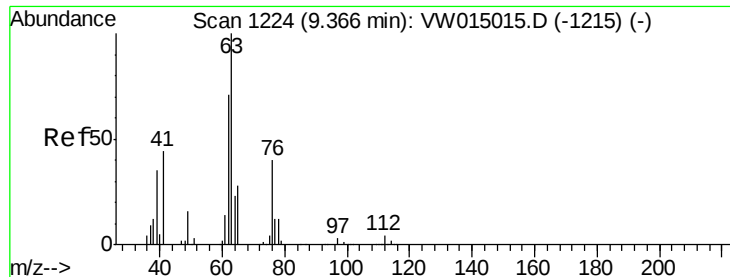
#36
 Methylcyclohexane
 Concen: 24.135 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW015021.D
 Acq: 20 Feb 2020 16:58

Tgt Ion:	83	Resp:	498289
Ion	Ratio	Lower	Upper
83	100		
55	94.9	68.0	102.0
98	45.1	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: 26.889 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW015021.D

Acq: 20 Feb 2020 16:58

Instrument :

MSVOA_W

ClientSampleId :

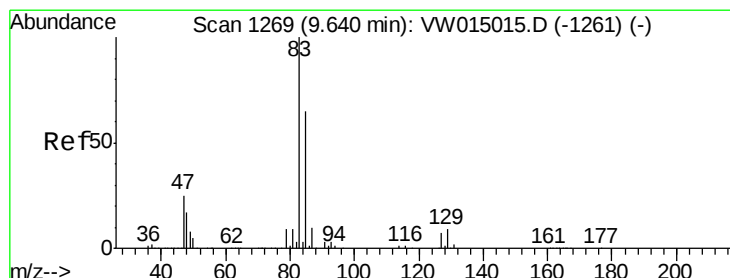
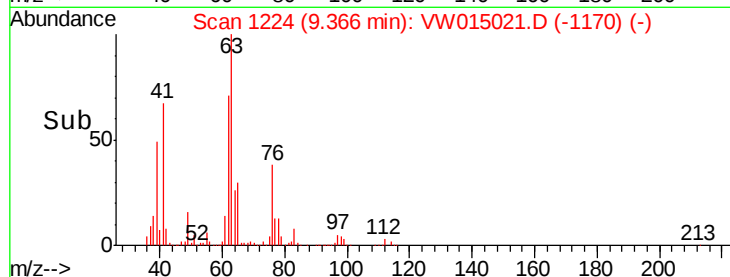
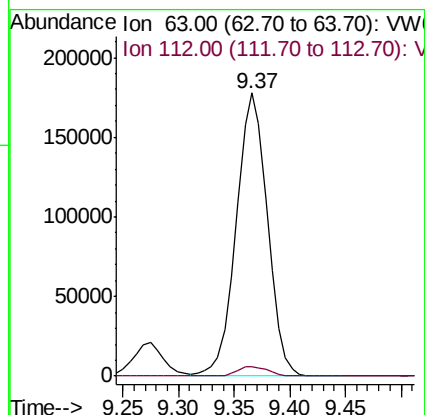
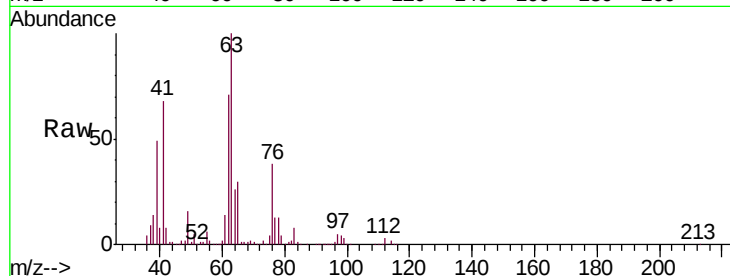
VSTD02526

Tgt Ion: 63 Resp: 344064

Ion Ratio Lower Upper

63 100

112 3.5 3.1 4.7



#41

Bromodichloromethane

Concen: 25.852 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW015021.D

Acq: 20 Feb 2020 16:58

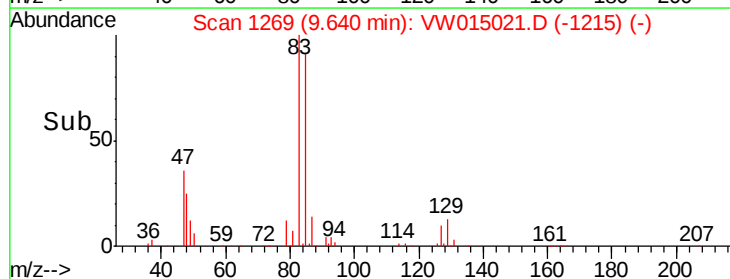
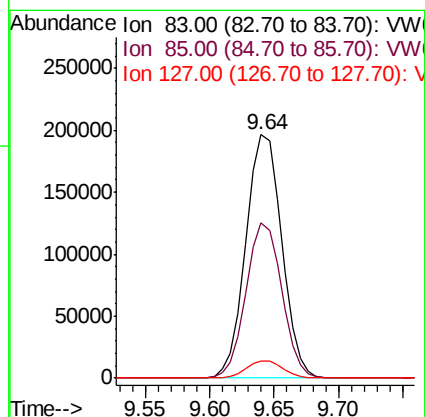
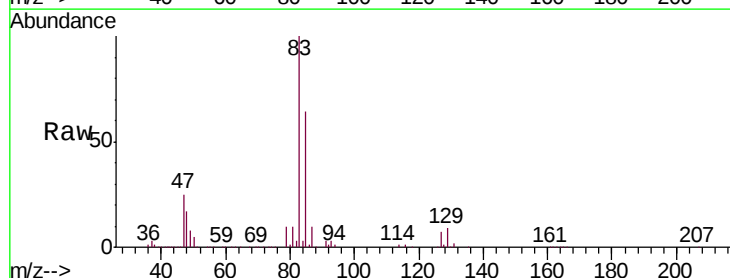
Tgt Ion: 83 Resp: 379106

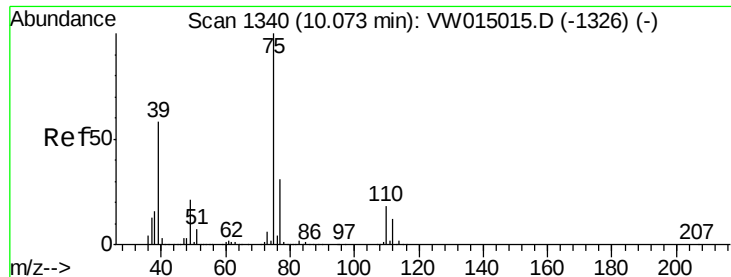
Ion Ratio Lower Upper

83 100

85 63.8 44.2 82.0

127 7.1 6.0 9.0

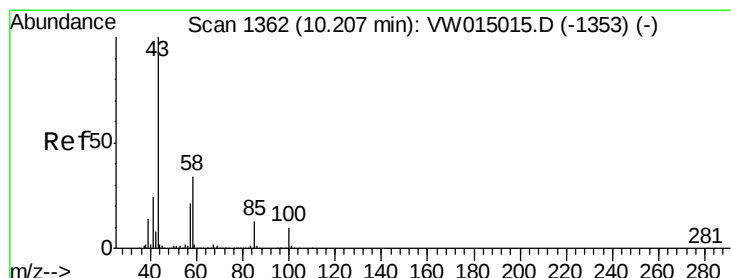
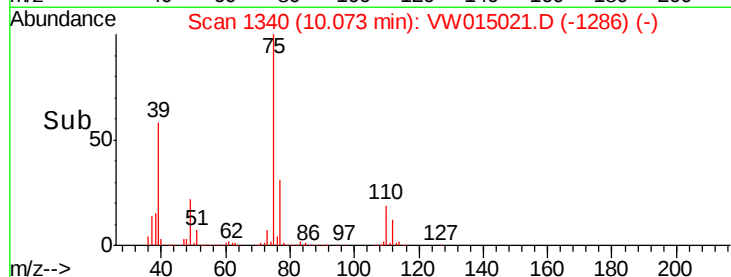
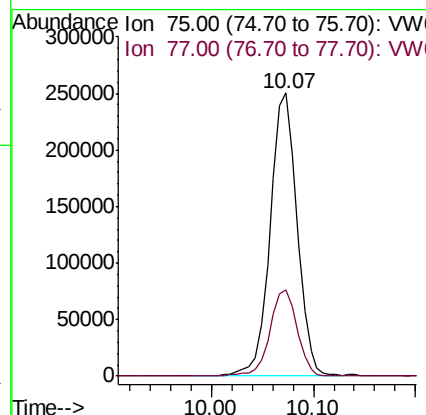
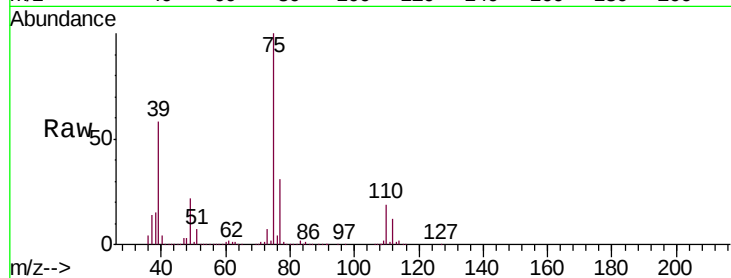




#42
 cis-1,3-Dichloropropene
 Concen: 25.208 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW015021.D
 Acq: 20 Feb 2020 16:58

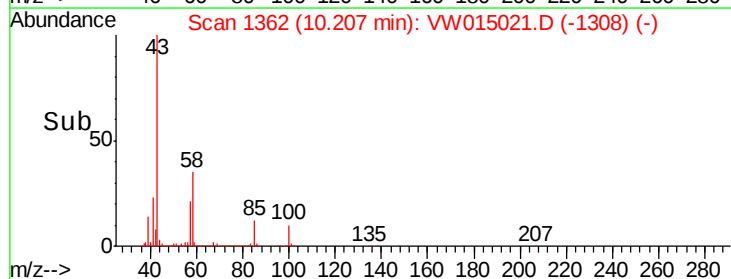
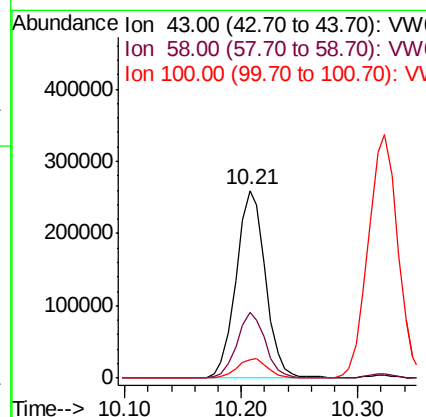
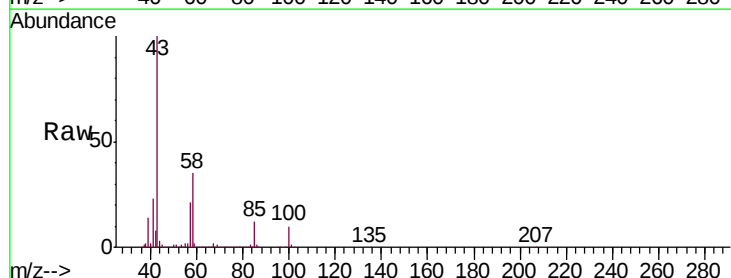
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02526

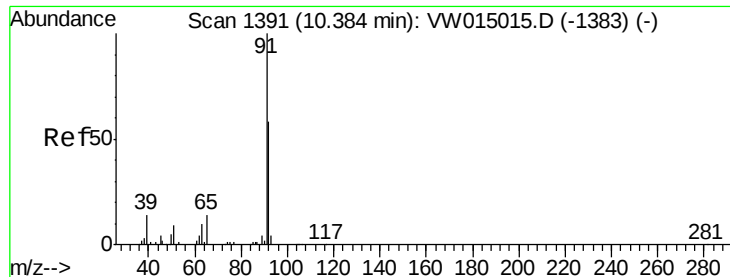
Tgt Ion: 75 Resp: 458018
 Ion Ratio Lower Upper
 75 100
 77 30.6 22.5 41.9



#43
 4-Methyl-2-pentanone
 Concen: 54.313 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW015021.D
 Acq: 20 Feb 2020 16:58

Tgt Ion: 43 Resp: 455712
 Ion Ratio Lower Upper
 43 100
 58 34.2 30.0 45.0
 100 10.5 10.6 15.8#





#44

Toluene

Concen: 24.993 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW015021.D

Acq: 20 Feb 2020 16:58

Instrument :

MSVOA_W

ClientSampleId :

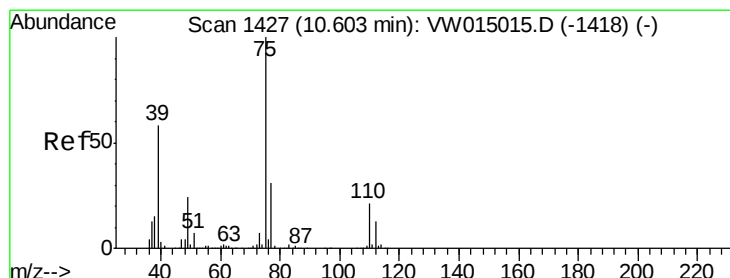
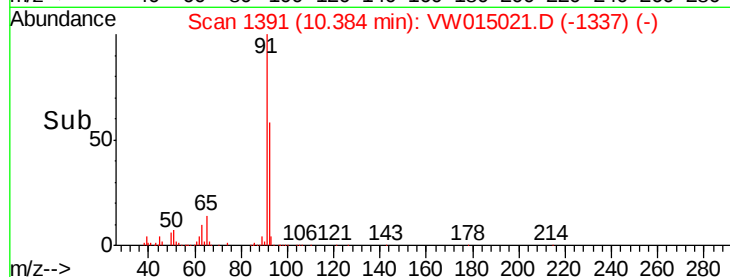
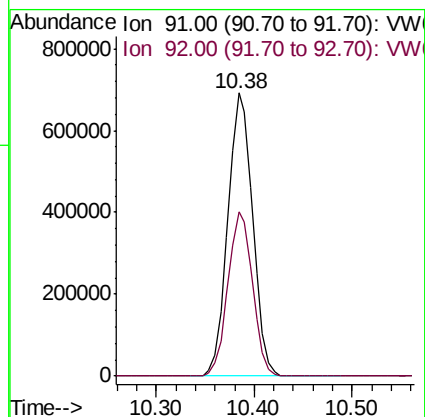
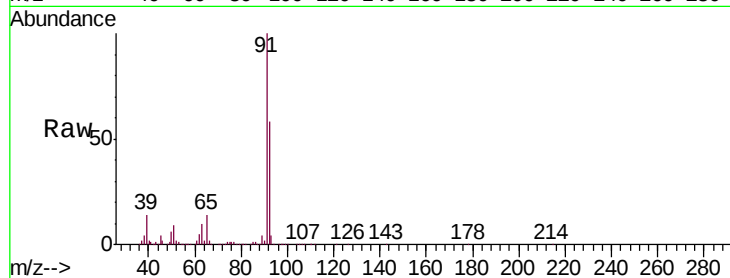
VSTD02526

Tgt Ion: 91 Resp: 1213201

Ion Ratio Lower Upper

91 100

92 57.9 41.4 77.0



#45

trans-1,3-Dichloropropene

Concen: 25.511 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW015021.D

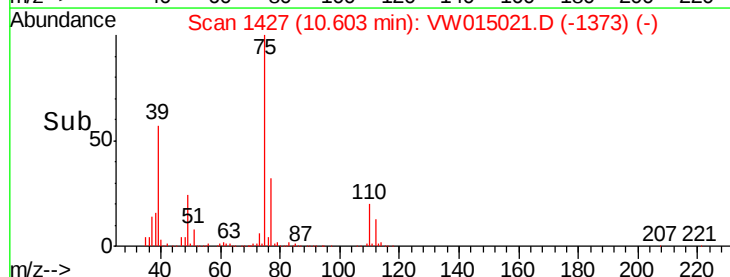
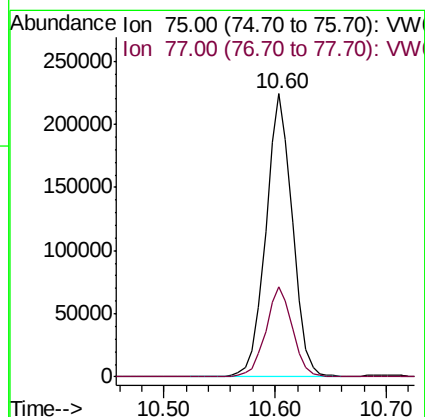
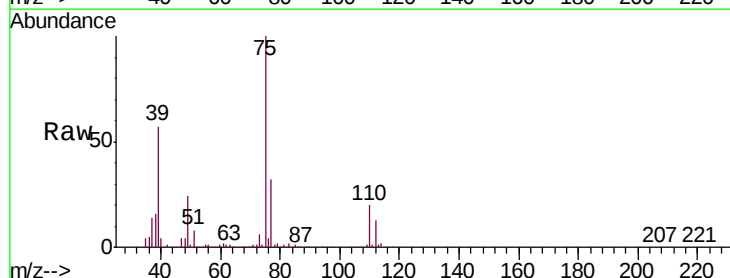
Acq: 20 Feb 2020 16:58

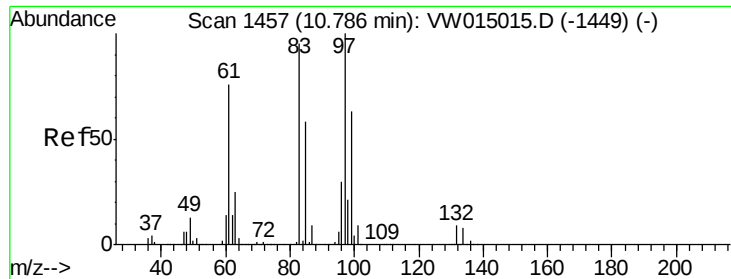
Tgt Ion: 75 Resp: 373269

Ion Ratio Lower Upper

75 100

77 31.8 21.8 40.6

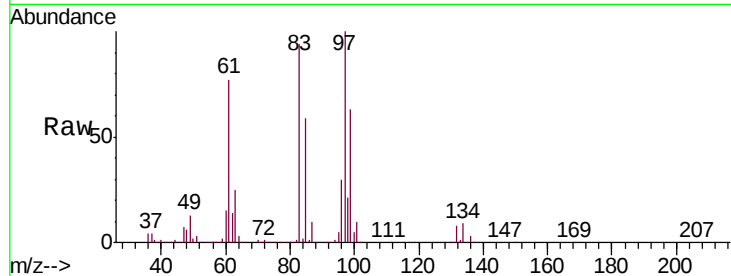




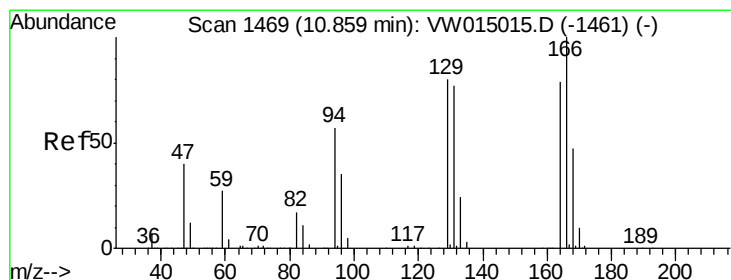
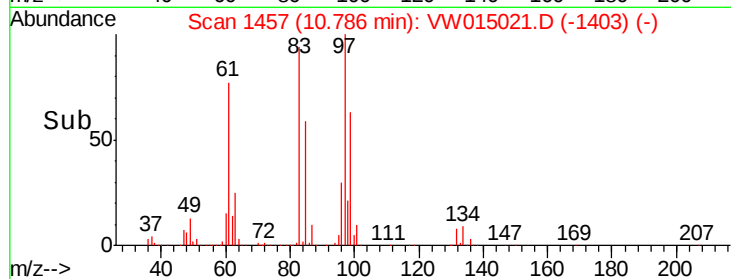
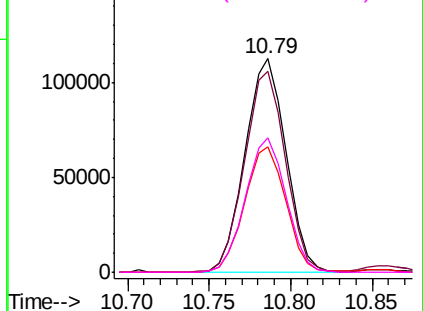
#46
 1,1,2-Trichloroethane
 Concen: 23.447 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW015021.D
 Acq: 20 Feb 2020 16:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02526

Tgt Ion:	97	Resp:	197507
Ion	Ratio	Lower	Upper
97	100		
83	94.4	60.8	112.8
85	58.8	39.9	74.1
99	62.7	42.8	79.6

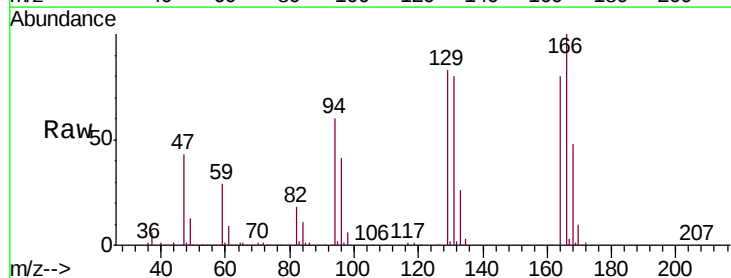


Abundance Ion 97.00 (96.70 to 97.70): VW
 Ion 83.00 (82.70 to 83.70): VW
 Ion 85.00 (84.70 to 85.70): VW
 Ion 99.00 (98.70 to 99.70): VW

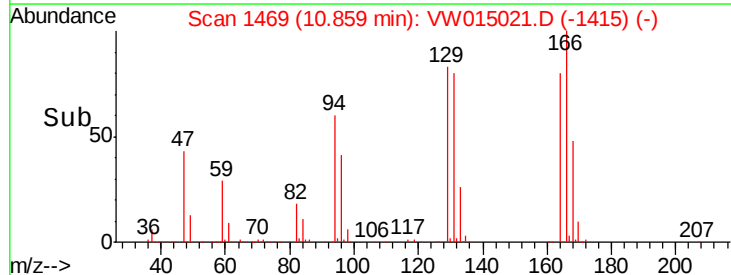
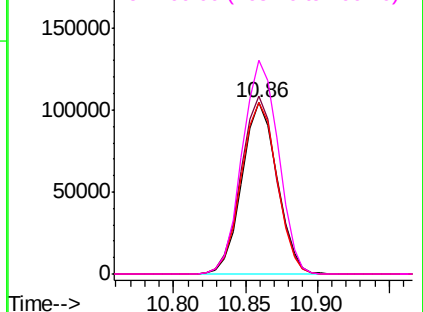


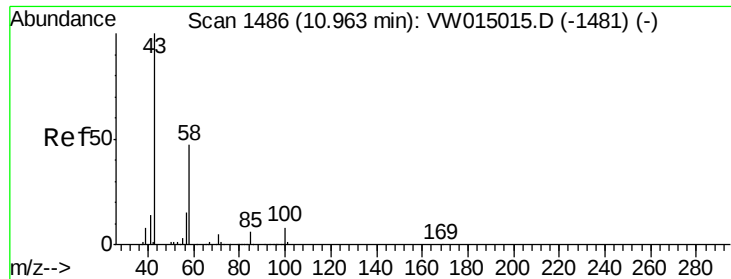
#47
 Tetrachloroethene
 Concen: 20.380 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VW015021.D
 Acq: 20 Feb 2020 16:58

Tgt Ion:	164	Resp:	177487
Ion	Ratio	Lower	Upper
164	100		
129	103.9	67.5	125.4
131	100.1	64.0	119.0
166	124.7	87.0	161.6



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

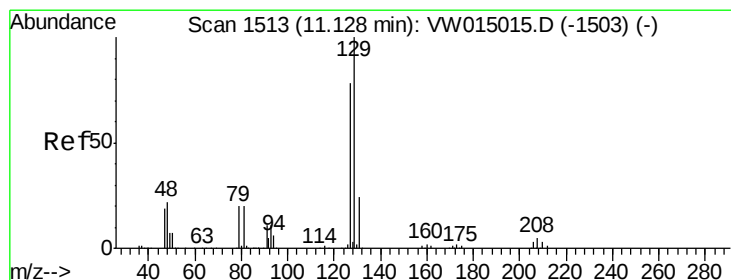
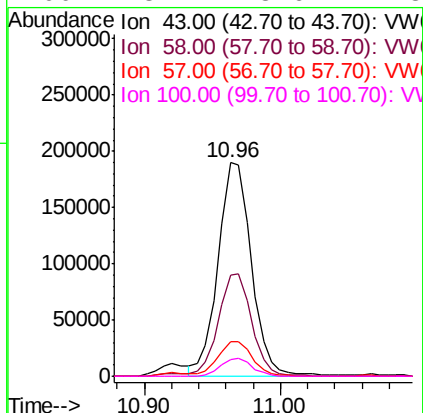
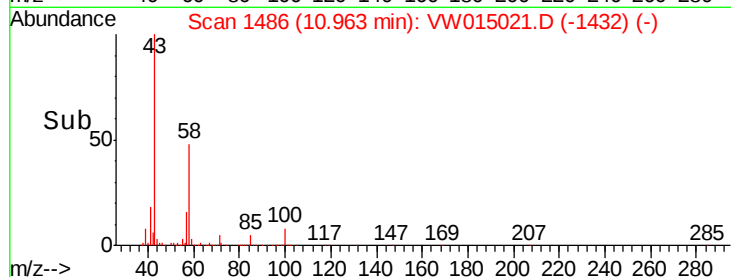
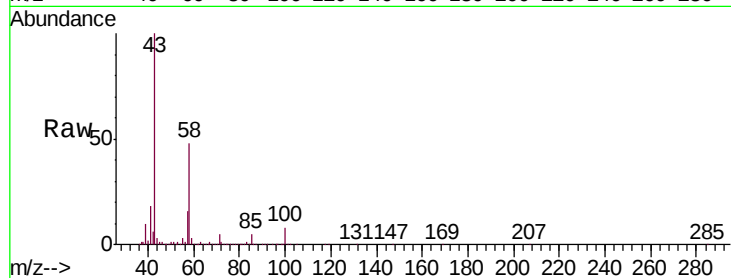




#49
2-Hexanone
Concen: 55.009 ug/L
RT: 10.96 min Scan# 1486
Delta R.T. -0.00 min
Lab File: VW015021.D
Acq: 20 Feb 2020 16:58

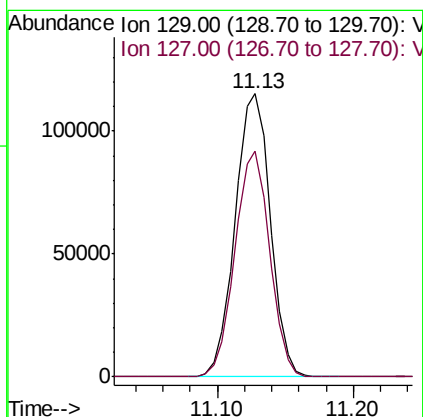
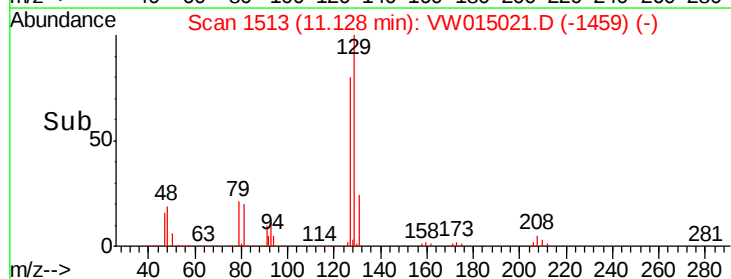
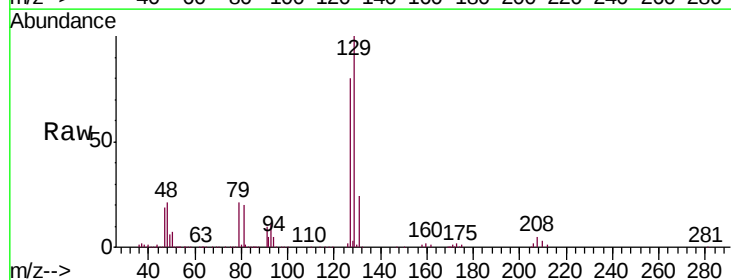
Instrument :
MSVOA_W
ClientSampleId :
VSTD02526

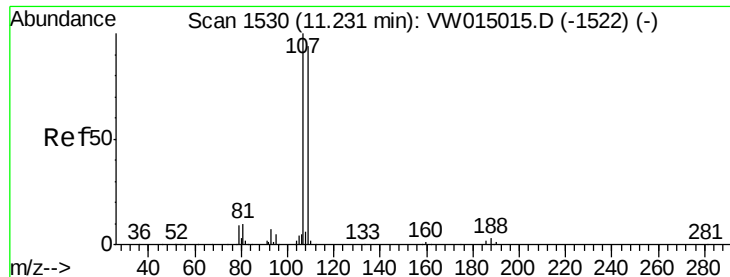
Tgt Ion: 43 Resp: 324198
Ion Ratio Lower Upper
43 100
58 47.3 42.2 63.2
57 16.7 14.5 21.7
100 8.1 8.6 12.8#



#50
Dibromochloromethane
Concen: 22.992 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW015021.D
Acq: 20 Feb 2020 16:58

Tgt Ion: 129 Resp: 208149
Ion Ratio Lower Upper
129 100
127 80.0 54.1 100.5

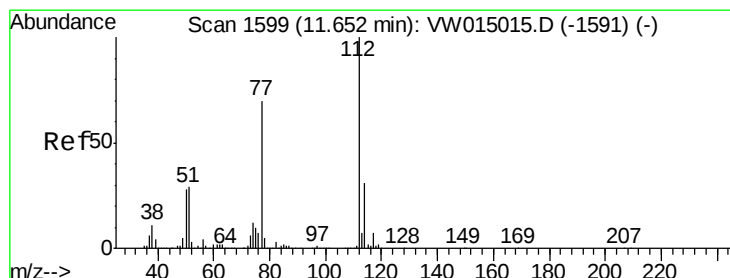
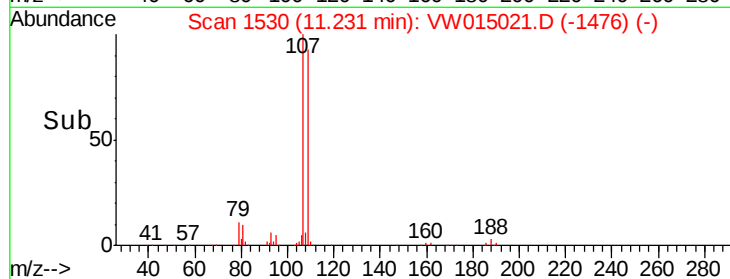
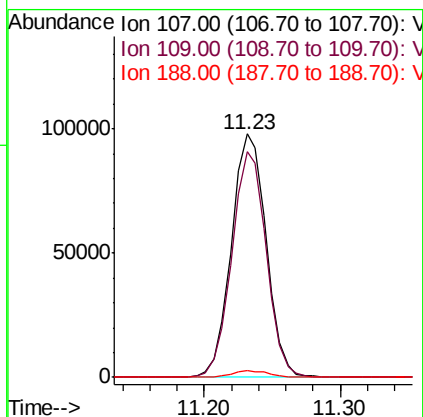
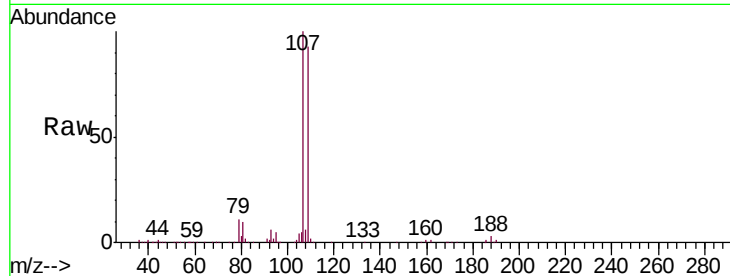




#51
 1,2-Dibromoethane
 Concen: 22.226 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW015021.D
 Acq: 20 Feb 2020 16:58

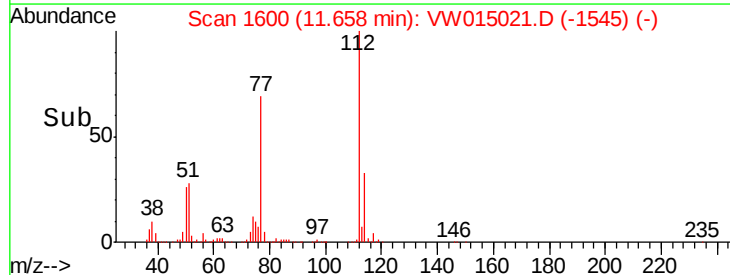
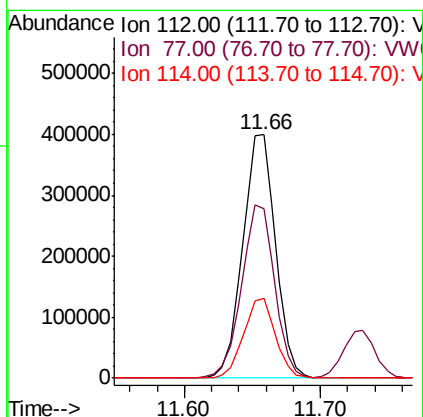
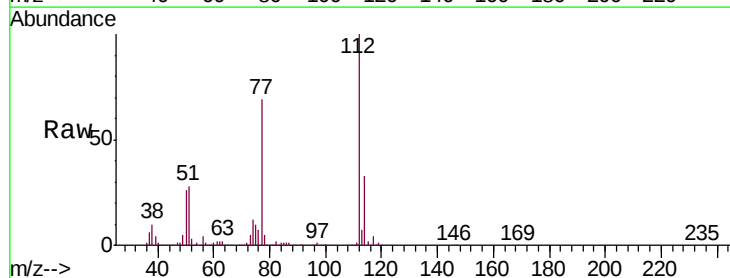
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02526

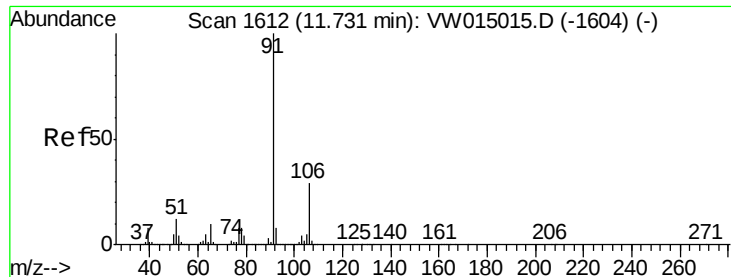
Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.6	65.0	120.6
188	2.8	2.4	3.6



#52
 Chlorobenzene
 Concen: 22.759 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.01 min
 Lab File: VW015021.D
 Acq: 20 Feb 2020 16:58

Tgt Ion	Ratio	Lower	Upper
112	100		
77	69.4	49.9	74.9
114	32.8	22.7	42.1

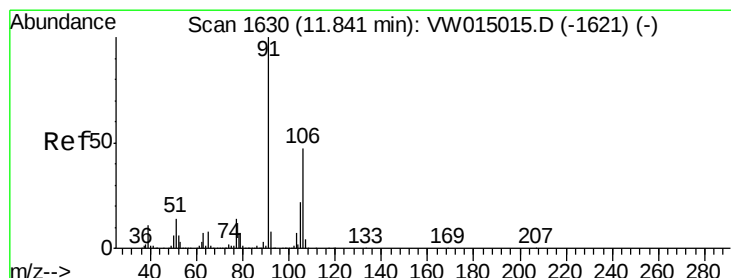
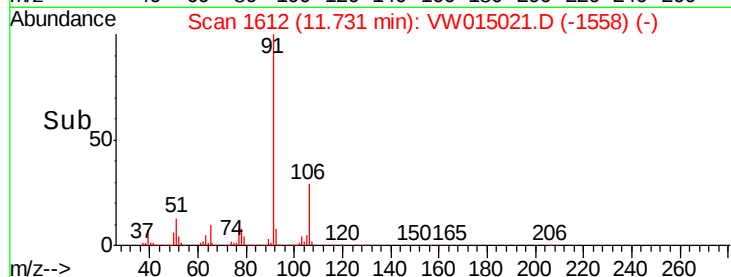
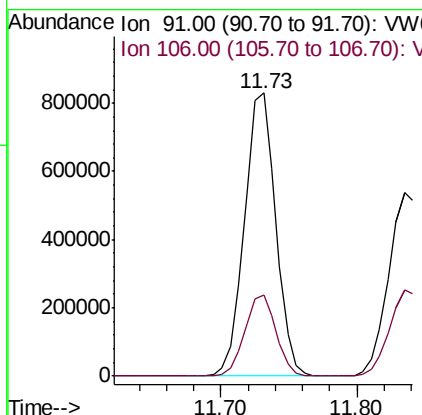
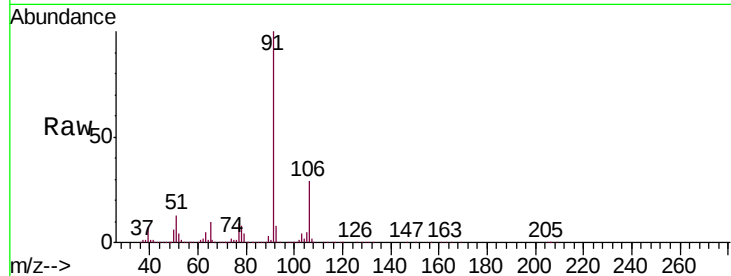




#53
Ethylbenzene
Concen: 25.202 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW015021.D
Acq: 20 Feb 2020 16:58

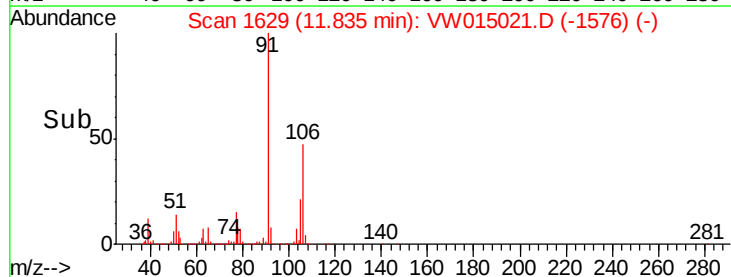
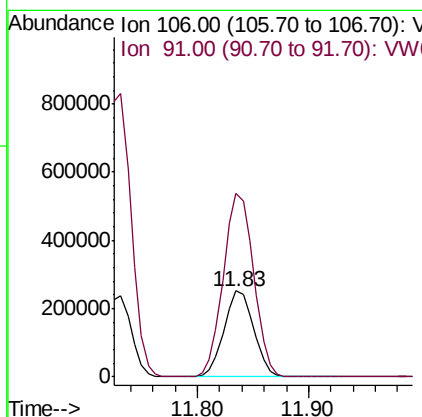
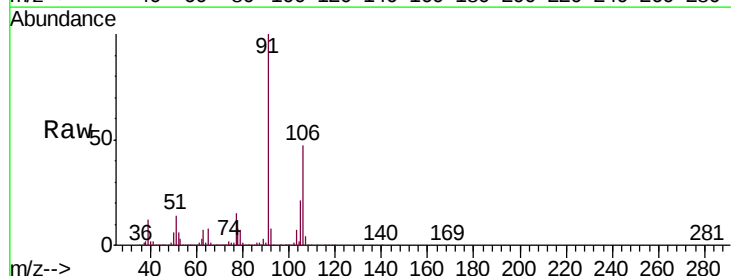
Instrument :
MSVOA_W
ClientSampleId :
VSTD02526

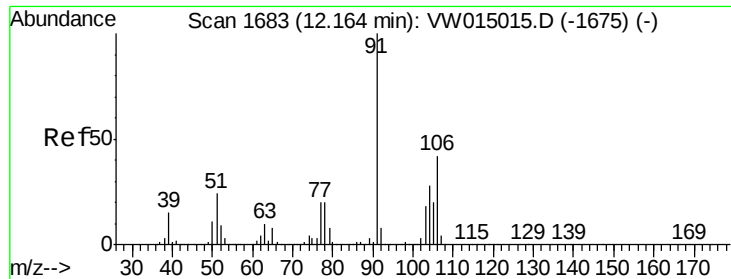
Tgt Ion: 91 Resp: 1338340
Ion Ratio Lower Upper
91 100
106 28.9 21.5 39.9



#54
m,p-Xylene
Concen: 24.147 ug/L
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW015021.D
Acq: 20 Feb 2020 16:58

Tgt Ion: 106 Resp: 468397
Ion Ratio Lower Upper
106 100
91 214.8 143.4 266.4





#55

o-xylene

Concen: 23.894 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW015021.D

Acq: 20 Feb 2020 16:58

Instrument :

MSVOA_W

ClientSampled :

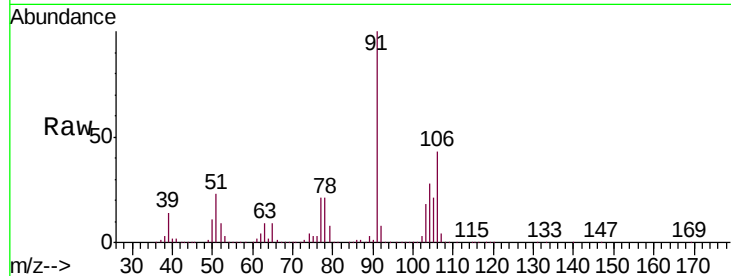
VSTD02526

Tgt Ion:106 Resp: 441104

Ion Ratio Lower Upper

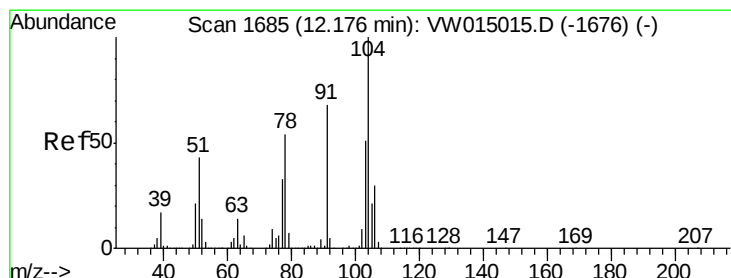
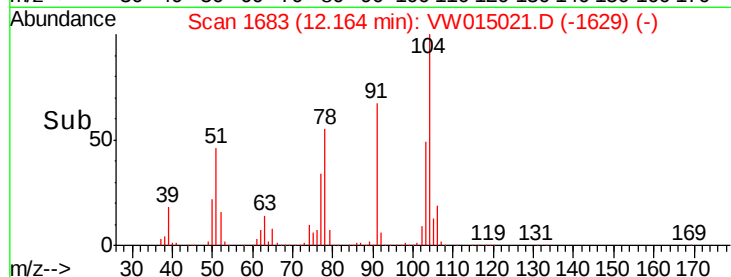
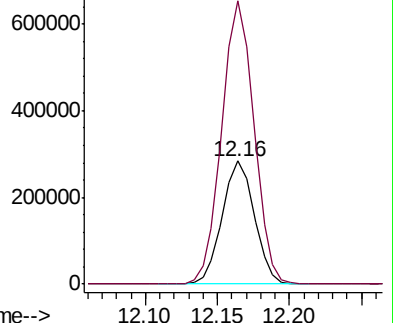
106 100

91 230.3 155.0 287.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 24.842 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VW015021.D

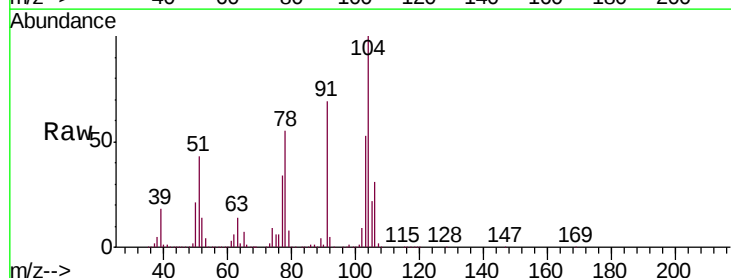
Acq: 20 Feb 2020 16:58

Tgt Ion:104 Resp: 775089

Ion Ratio Lower Upper

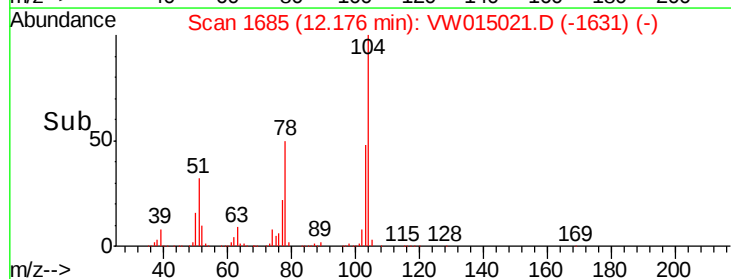
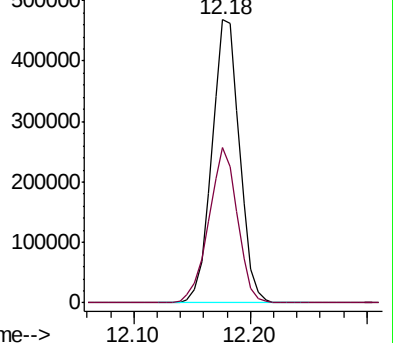
104 100

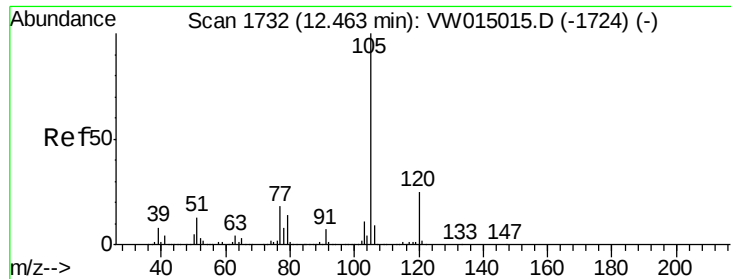
78 54.8 33.8 62.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 24.602 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW015021.D

Acq: 20 Feb 2020 16:58

Instrument :

MSVOA_W

ClientSampleId :

VSTD02526

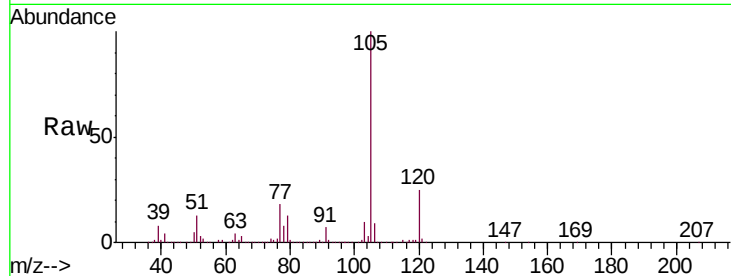
Tgt Ion:105 Resp: 1219768

Ion Ratio Lower Upper

105 100

120 24.9 20.4 30.6

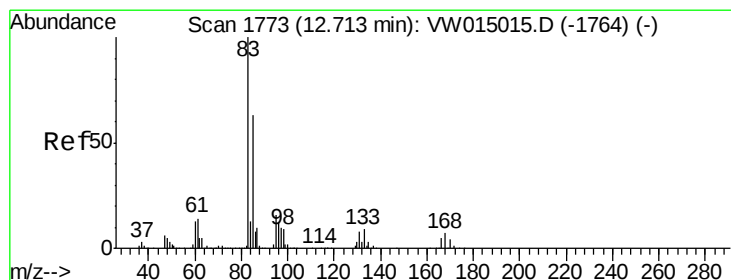
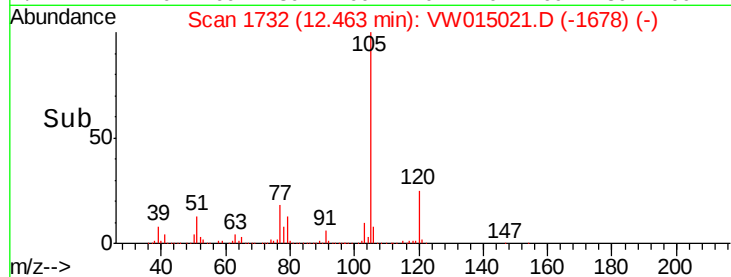
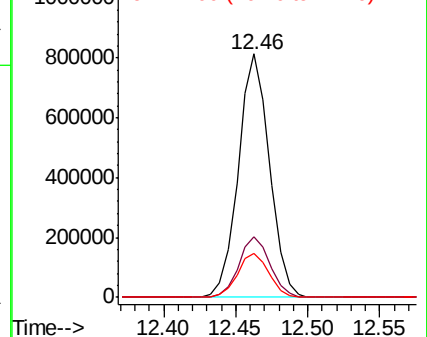
77 18.3 13.1 19.7



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: 25.016 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW015021.D

Acq: 20 Feb 2020 16:58

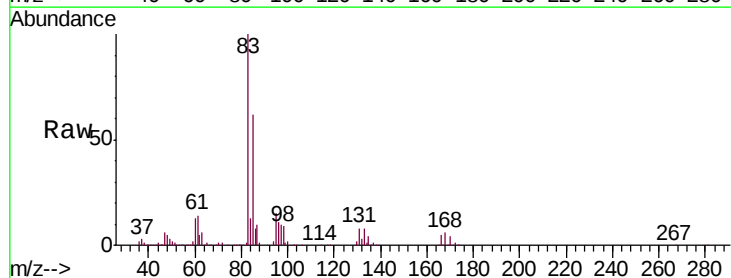
Tgt Ion: 83 Resp: 263021

Ion Ratio Lower Upper

83 100

85 61.6 45.9 85.3

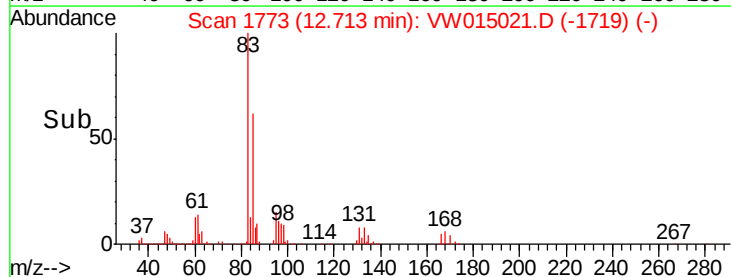
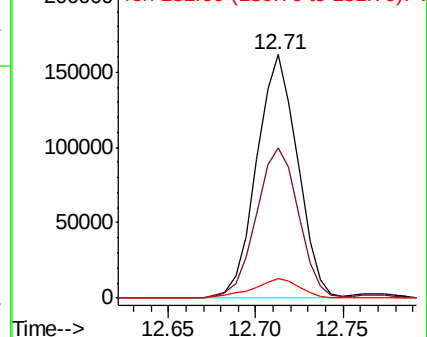
131 7.9 7.3 10.9

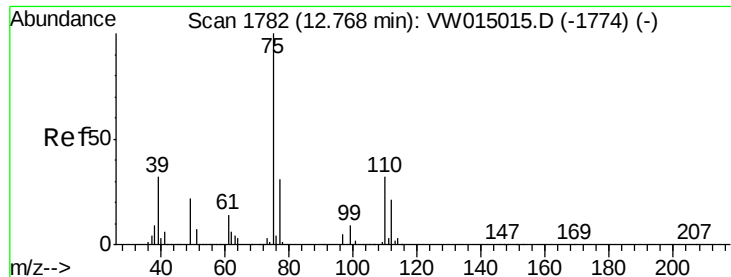


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 24.625 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW015021.D

Acq: 20 Feb 2020 16:58

Instrument :

MSVOA_W

ClientSampleId :

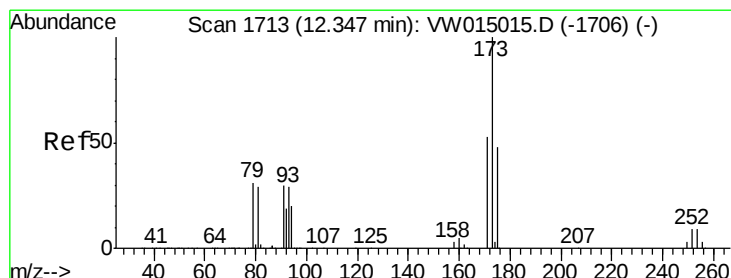
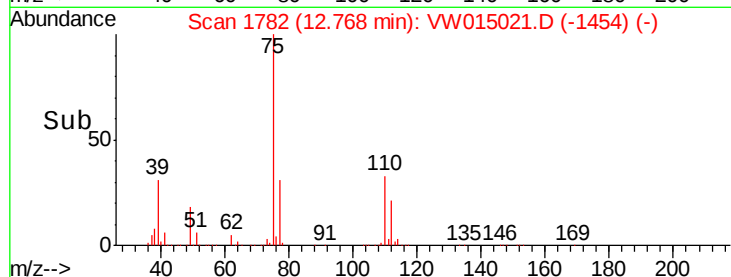
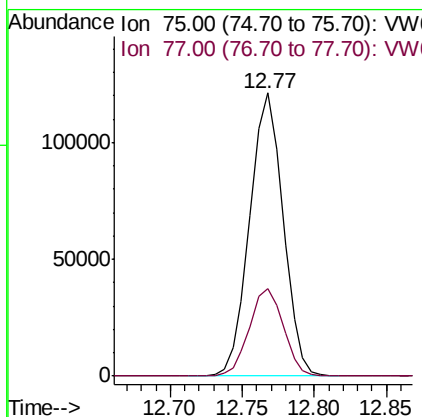
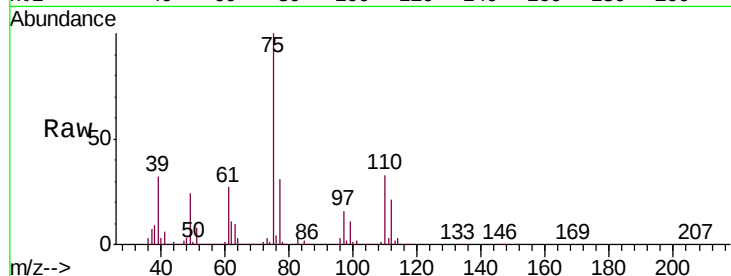
VSTD02526

Tgt Ion: 75 Resp: 194786

Ion Ratio Lower Upper

75 100

77 31.6 25.9 38.9



#62

Bromoform

Concen: 21.180 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW015021.D

Acq: 20 Feb 2020 16:58

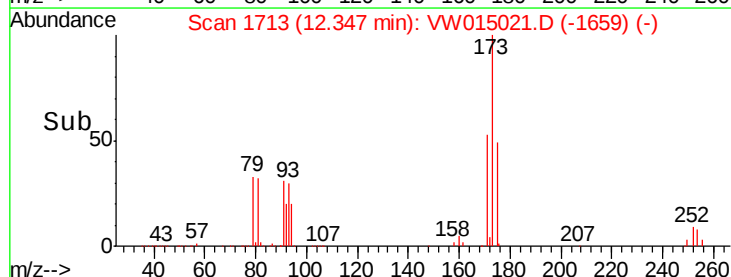
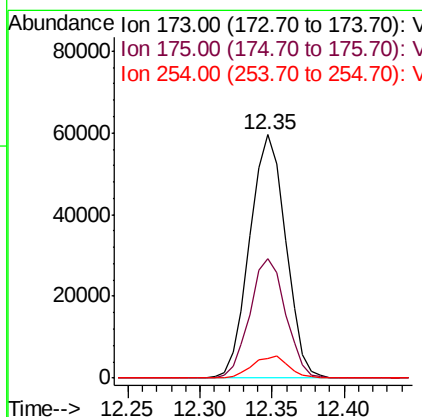
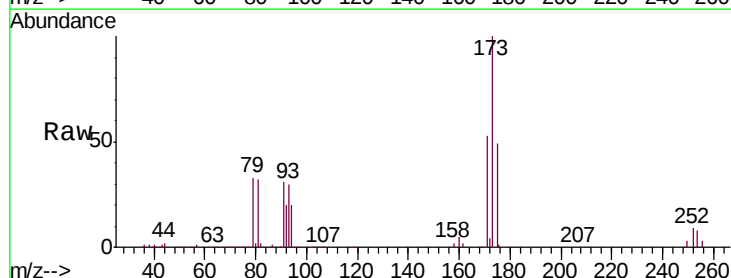
Tgt Ion: 173 Resp: 102865

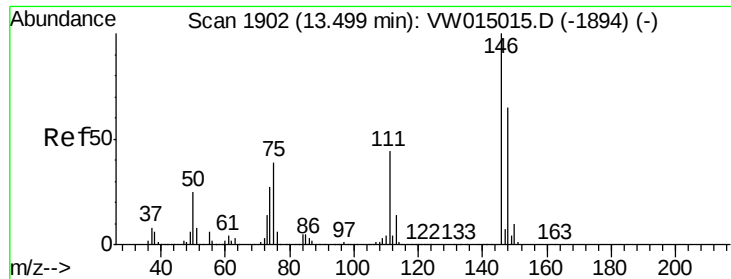
Ion Ratio Lower Upper

173 100

175 48.7 38.9 58.3

254 9.0 7.8 11.8

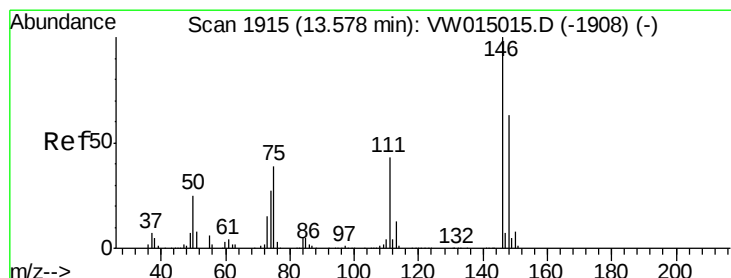
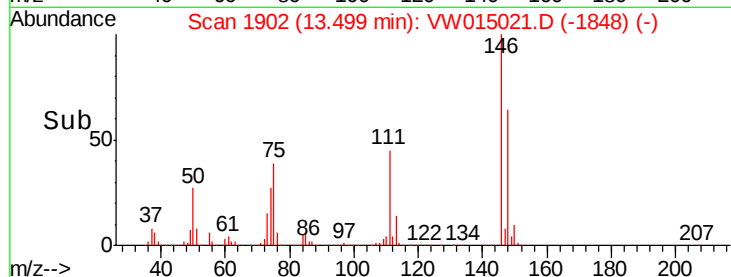
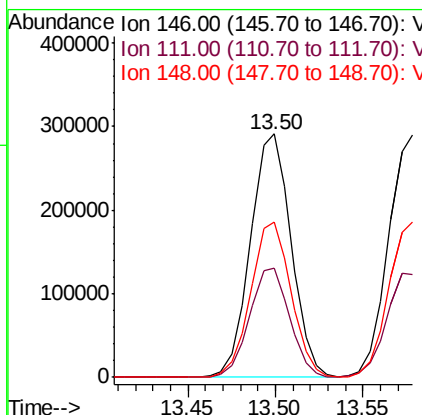
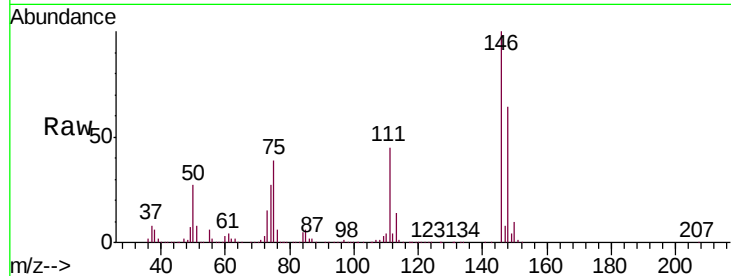




#63
 1,3-Dichlorobenzene
 Concen: 22.063 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW015021.D
 Acq: 20 Feb 2020 16:58

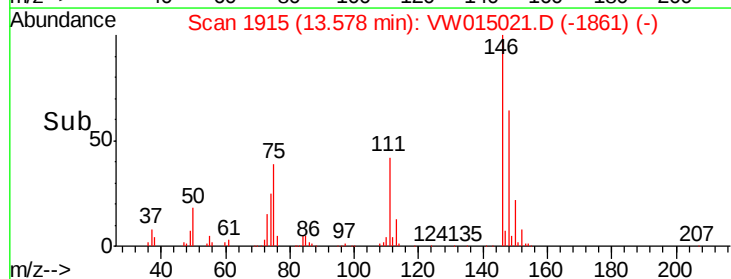
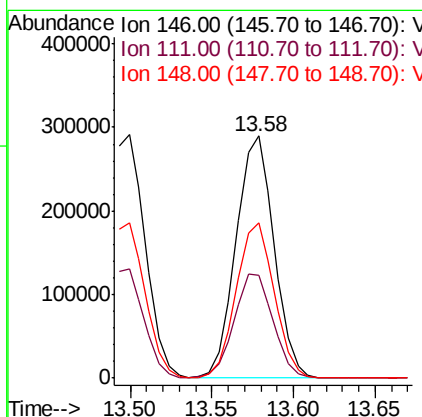
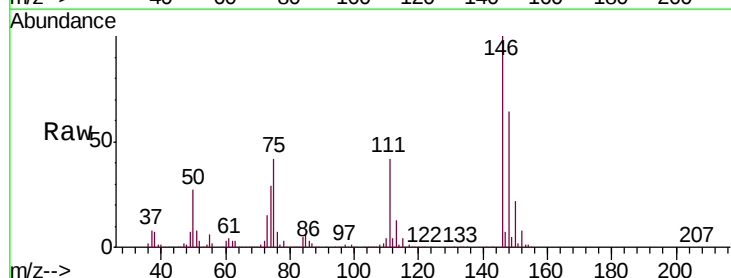
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02526

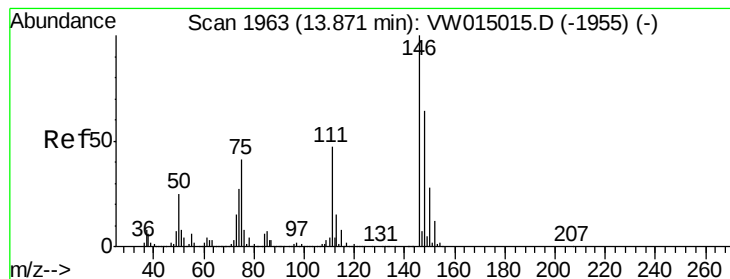
Tgt Ion:146 Resp: 474825
 Ion Ratio Lower Upper
 146 100
 111 44.8 28.6 53.0
 148 63.7 43.3 80.5



#64
 1,4-Dichlorobenzene
 Concen: 21.753 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW015021.D
 Acq: 20 Feb 2020 16:58

Tgt Ion:146 Resp: 471581
 Ion Ratio Lower Upper
 146 100
 111 42.3 27.9 51.7
 148 64.0 44.0 81.8





#65

1,2-Dichlorobenzene

Concen: 22.247 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW015021.D

Acq: 20 Feb 2020 16:58

Instrument :

MSVOA_W

ClientSampleId :

VSTD02526

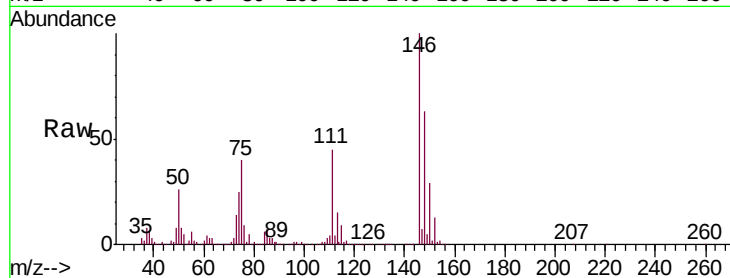
Tgt Ion:146 Resp: 437920

Ion Ratio Lower Upper

146 100

111 45.1 35.0 52.6

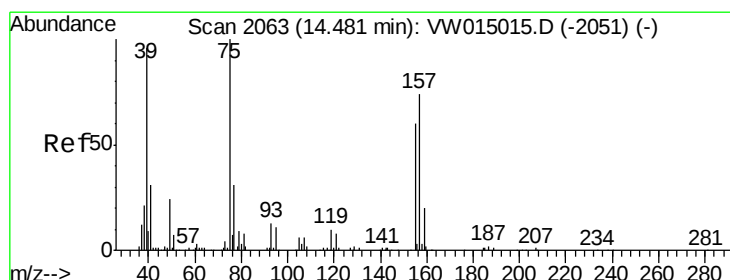
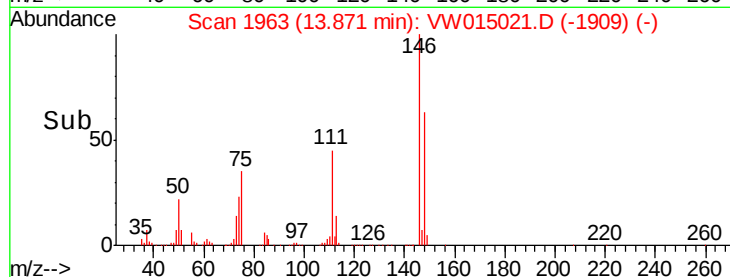
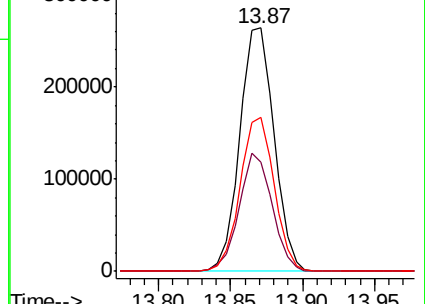
148 63.3 51.1 76.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 24.492 ug/L

RT: 14.48 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VW015021.D

Acq: 20 Feb 2020 16:58

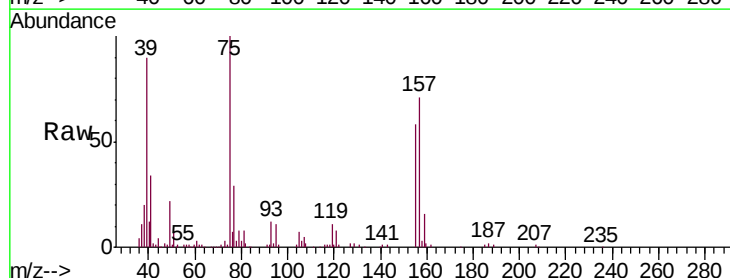
Tgt Ion: 75 Resp: 41108

Ion Ratio Lower Upper

75 100

157 71.0 74.2 111.4#

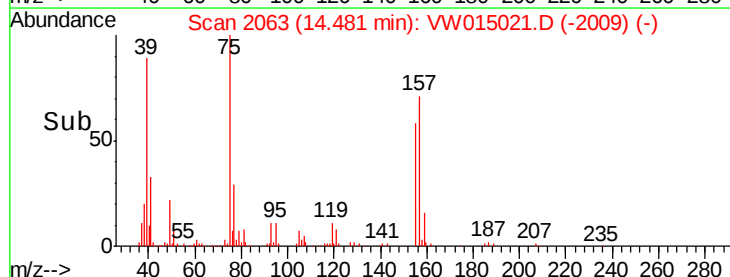
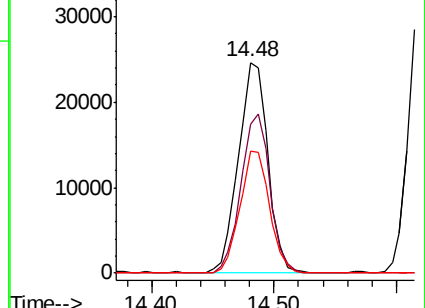
155 57.8 56.1 84.1

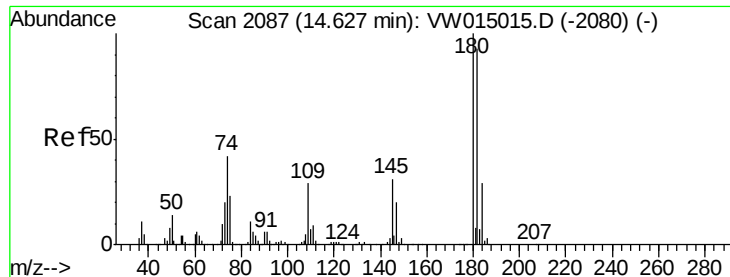


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

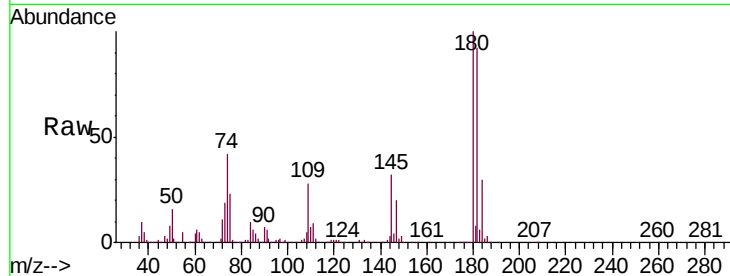




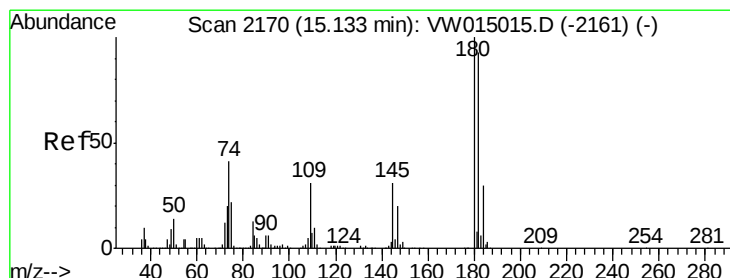
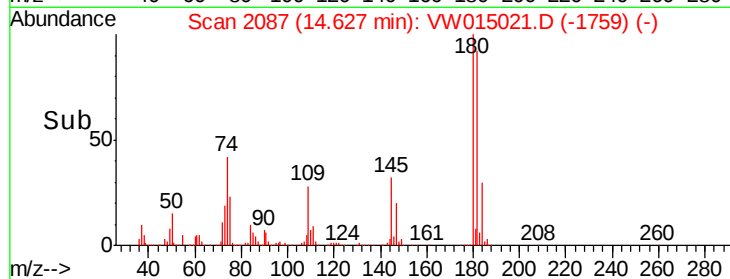
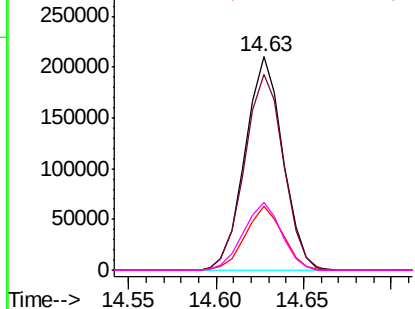
#67
 1,3,5-Trichlorobenzene
 Concen: 20.522 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW015021.D
 Acq: 20 Feb 2020 16:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02526

Tgt Ion:180 Resp: 316322
 Ion Ratio Lower Upper
 180 100
 182 94.8 75.5 113.3
 184 29.7 24.6 36.8
 145 32.0 23.7 35.5

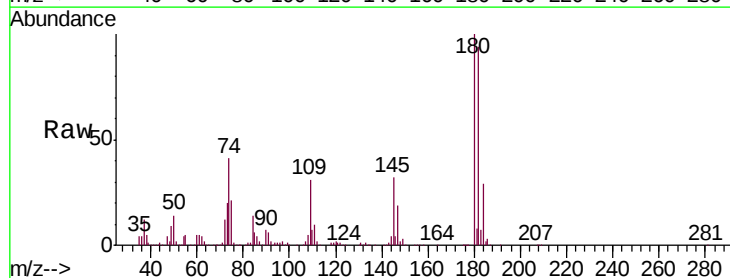


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

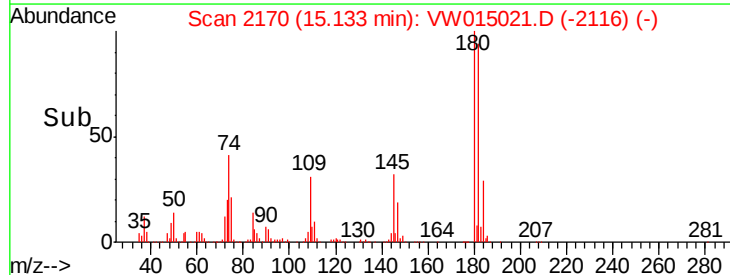
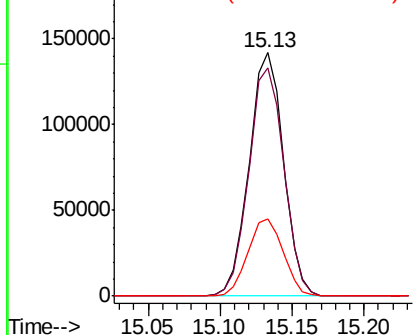


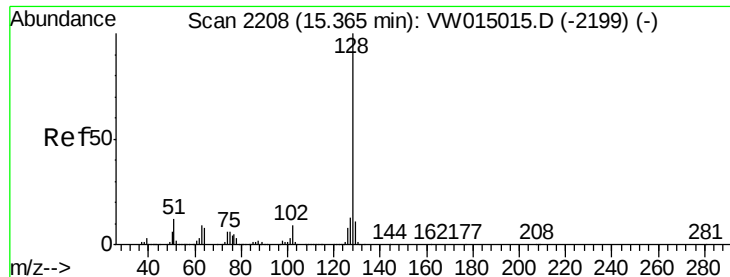
#68
 1,2,4-trichlorobenzene
 Concen: 19.209 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW015021.D
 Acq: 20 Feb 2020 16:58

Tgt Ion:180 Resp: 233932
 Ion Ratio Lower Upper
 180 100
 182 95.5 76.4 114.6
 145 32.8 24.6 37.0



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 19.597 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW015021.D

Acq: 20 Feb 2020 16:58

Instrument :

MSVOA_W

ClientSampleId :

VSTD02526

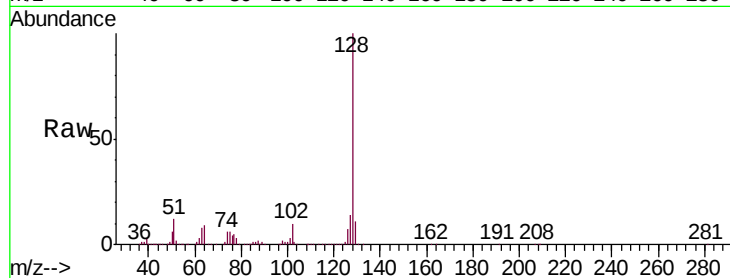
Tgt Ion:128 Resp: 469445

Ion Ratio Lower Upper

128 100

129 11.1 8.7 13.1

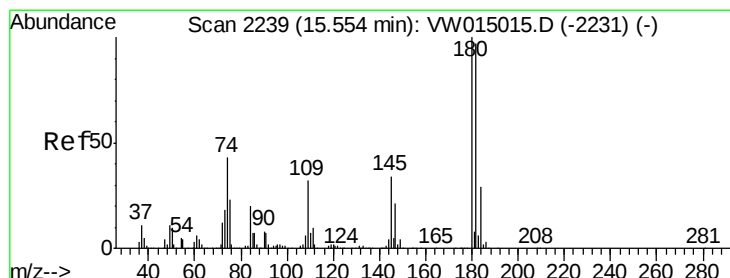
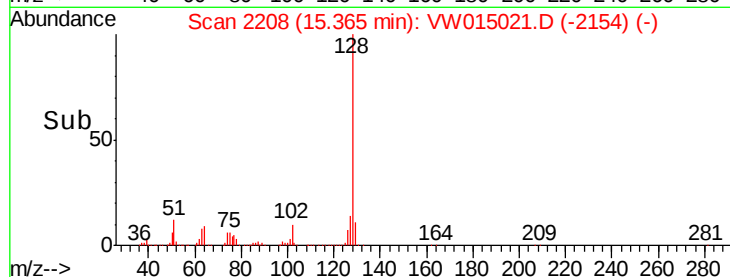
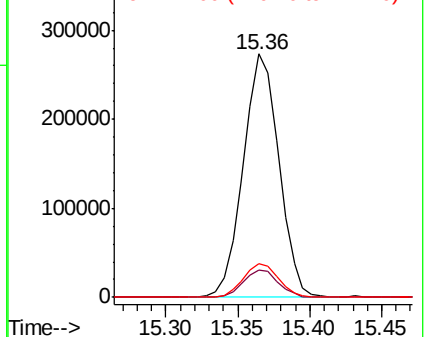
127 13.7 10.5 15.7



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: 19.078 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW015021.D

Acq: 20 Feb 2020 16:58

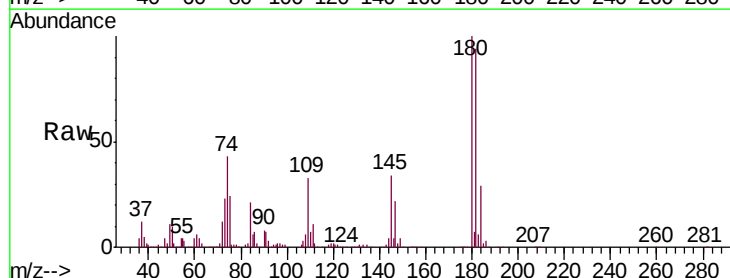
Tgt Ion:180 Resp: 214523

Ion Ratio Lower Upper

180 100

182 96.2 75.3 112.9

145 35.1 26.0 39.0



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

