

Data File : VW015052.D
Acq On : 26 Feb 2020 19:47
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02530

Quant Time: Feb 27 02:05:52 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM022420S.M
Quant Title : VOC Analysis
QLast Update : Thu Feb 27 02:01:40 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	635998	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	596411	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	271921	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	350510	22.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.12%
7) Chloroethane-d5	2.89	69	263735	23.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.00%
10) 1,1-Dichloroethene-d2	4.02	63	587090	23.71	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.84%
20) 2-Butanone-d5	7.07	46	168161	63.24	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	126.48%
24) Chloroform-d	7.65	84	540483	25.87	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	103.48%
26) 1,2-Dichloroethane-d4	8.30	65	319687	27.34	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	109.36%
29) Benzene-d6	8.27	84	1073952	26.20	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	104.80%
33) 1,2-Dichloropropane-d6	9.27	67	358940	26.16	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	104.64%
37) Toluene-d8	10.32	98	925426	27.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	108.28%
38) trans-1,3-Dichloropropene-	10.57	79	137379	27.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	108.36%
39) 2-Hexanone-d5	10.92	63	125996	69.36	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	138.72%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	268206	30.25	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	121.00%#
61) 1,2-Dichlorobenzene-d4	13.85	152	255055	25.60	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	126914	23.386	ug/L 96
3) Chloromethane	2.21	50	285024	22.911	ug/L 100
5) Vinyl chloride	2.36	62	380309	23.628	ug/L 99
6) Bromomethane	2.78	94	172387	23.857	ug/L 97
8) Chloroethane	2.93	64	214453	24.486	ug/L 100
9) Trichlorofluoromethane	3.26	101	160052	22.064	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	260006	26.025	ug/L 100
12) 1,1-Dichloroethene	4.04	96	238746	25.100	ug/L 84
13) Acetone	4.12	43	166946	53.082	ug/L 99
14) Carbon disulfide	4.38	76	875496	24.597	ug/L 100
15) Methyl Acetate	4.67	43	163799	30.930	ug/L 99
16) Methylene chloride	4.91	84	297544	25.276	ug/L 96
17) Methyl tert-butyl Ether	5.42	73	311924	27.093	ug/L 98
18) trans-1,2-Dichloroethene	5.42	96	251335	25.576	ug/L 98
19) 1,1-Dichloroethane	6.21	63	579814	26.454	ug/L 99
21) 2-Butanone	7.16	43	224614	60.734	ug/L 100
22) cis-1,2-Dichloroethene	7.16	96	264969	26.495	ug/L 97

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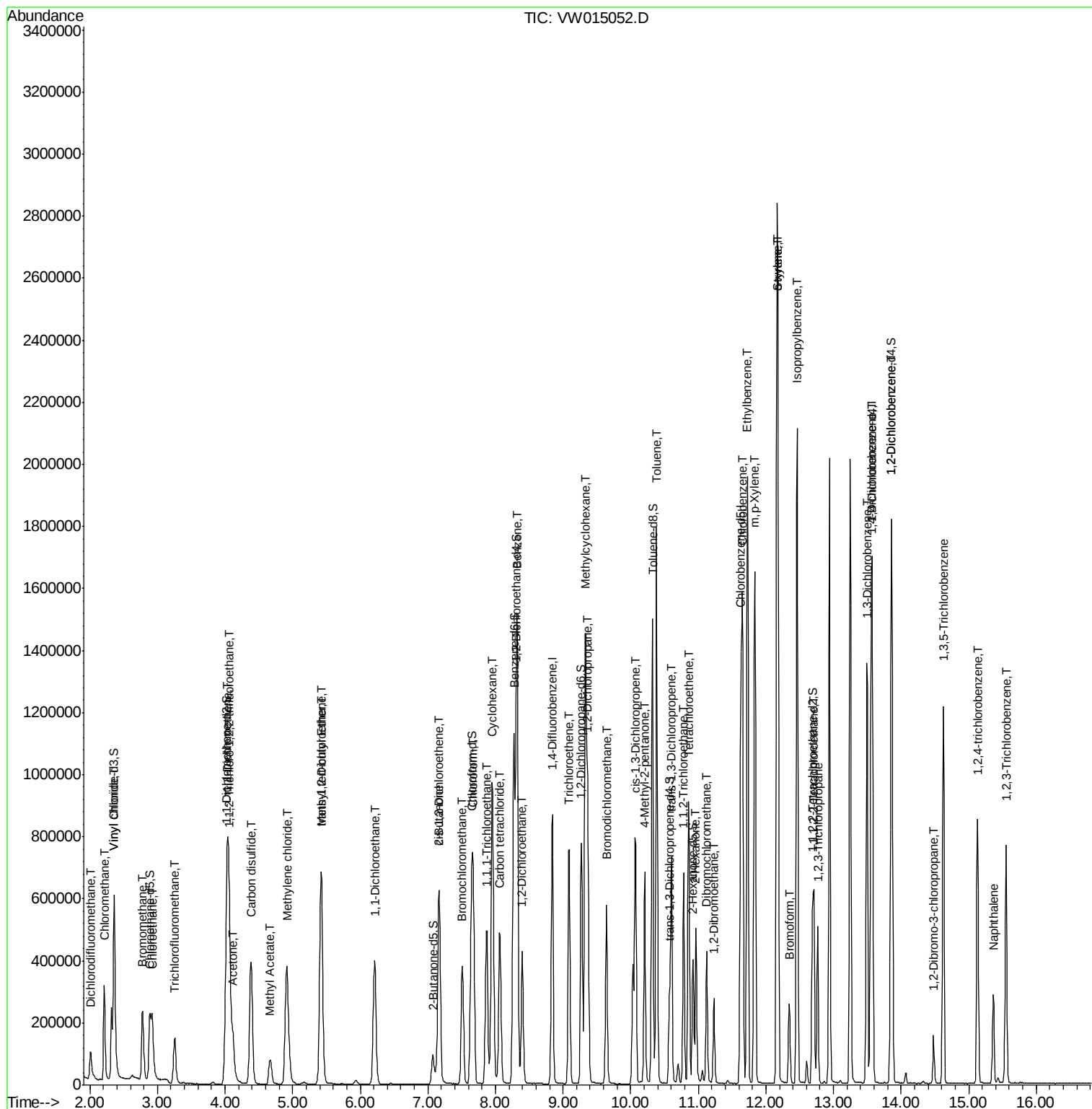
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	105923	27.227	ug/L	94
25) Chloroform	7.67	83	523991	26.344	ug/L	100
27) 1,2-Dichloroethane	8.40	62	383705	28.194	ug/L	98
30) Cyclohexane	7.95	56	527179	26.438	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	384202	24.978	ug/L	99
32) Carbon tetrachloride	8.06	117	348625	25.293	ug/L	99
34) Benzene	8.32	78	1212018	27.319	ug/L	100
35) Trichloroethene	9.09	95	275090	25.633	ug/L	99
36) Methylcyclohexane	9.33	83	503895	27.343	ug/L	100
40) 1,2-Dichloropropane	9.37	63	341925	27.749	ug/L	100
41) Bromodichloromethane	9.64	83	379926	27.488	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	441505	27.497	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	462122	67.054	ug/L	100
44) Toluene	10.38	91	1212576	28.142	ug/L	96
45) trans-1,3-Dichloropropene	10.60	75	371080	28.594	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	198068	28.565	ug/L	99
47) Tetrachloroethene	10.86	164	179195	25.908	ug/L	96
49) 2-Hexanone	10.96	43	340978	68.244	ug/L	98
50) Dibromochloromethane	11.12	129	208023	28.190	ug/L	96
51) 1,2-Dibromoethane	11.23	107	179215	29.656	ug/L #	96
52) Chlorobenzene	11.65	112	670595	26.460	ug/L	99
53) Ethylbenzene	11.73	91	1314819	27.934	ug/L	100
54) m,p-Xylene	11.83	106	461813	28.042	ug/L	98
55) o-xylene	12.16	106	435384	28.374	ug/L	98
56) Styrene	12.18	104	777492	29.583	ug/L	99
57) Isopropylbenzene	12.46	105	1184668	28.349	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	266628	30.476	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	202128	30.059	ug/L	100
62) Bromoform	12.35	173	104945	27.458	ug/L	99
63) 1,3-Dichlorobenzene	13.49	146	469372	26.459	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	476903	26.111	ug/L	96
65) 1,2-Dichlorobenzene	13.86	146	427753	26.625	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	41680	29.386	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	312834	26.298	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	231859	26.669	ug/L	97
69) Naphthalene	15.36	128	220301	28.543	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	221432	28.376	ug/L	99

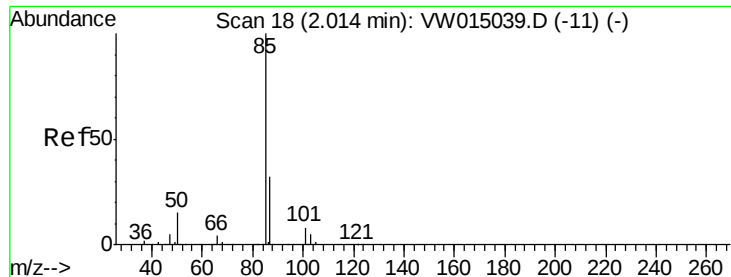
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 23.386 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

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Acq: 26 Feb 2020 19:47

Instrument :

MSVOA_W

ClientSampleId :

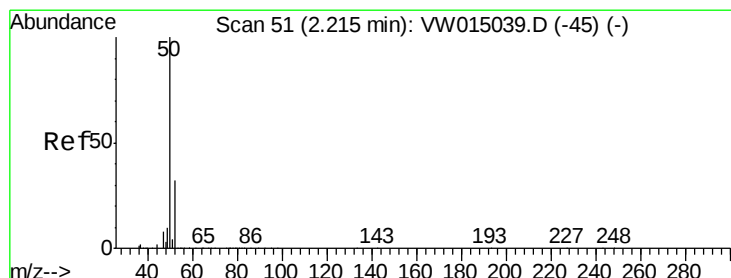
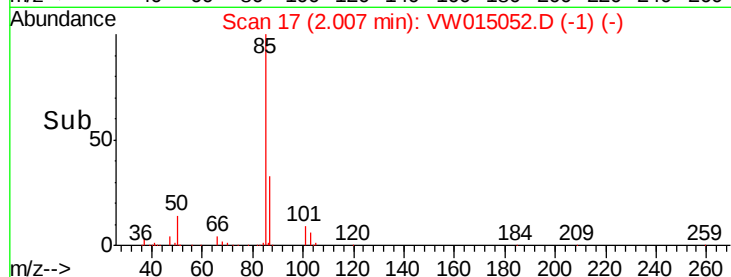
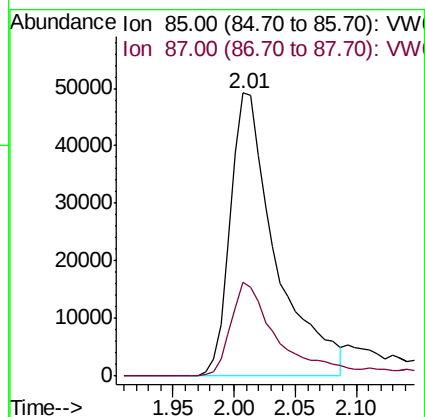
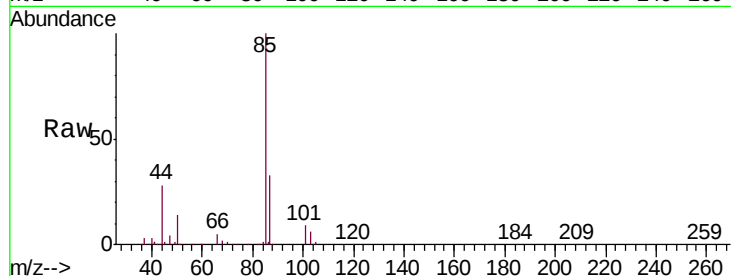
VSTD02530

Tgt Ion: 85 Resp: 126914

Ion Ratio Lower Upper

85 100

87 33.7 22.0 41.0



#3

Chloromethane

Concen: 22.911 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW015052.D

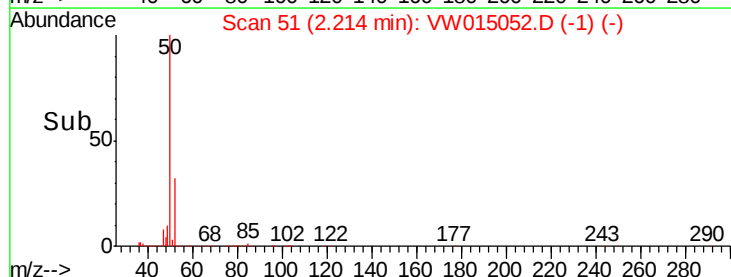
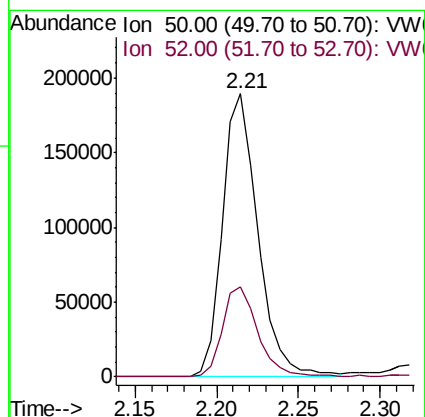
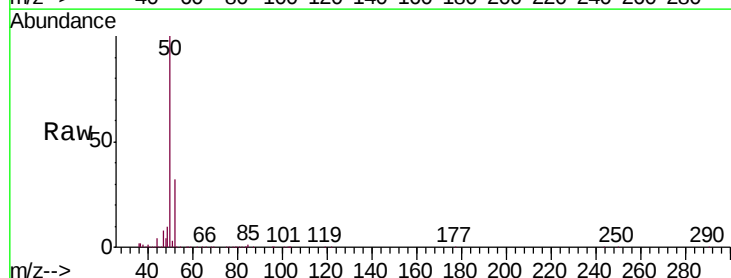
Acq: 26 Feb 2020 19:47

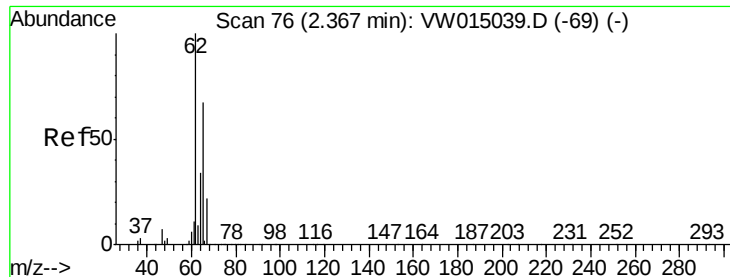
Tgt Ion: 50 Resp: 285024

Ion Ratio Lower Upper

50 100

52 31.7 22.3 41.5





#5

Vinyl chloride

Concen: 23.628 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW015052.D

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Instrument :

MSVOA_W

ClientSampleId :

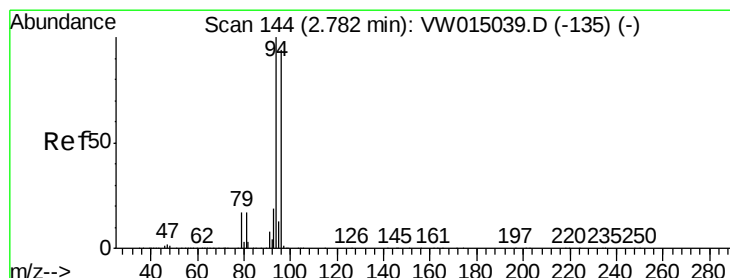
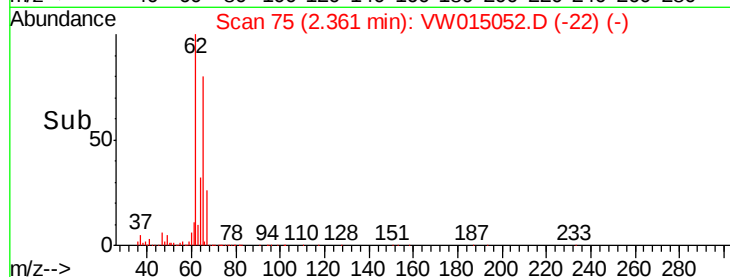
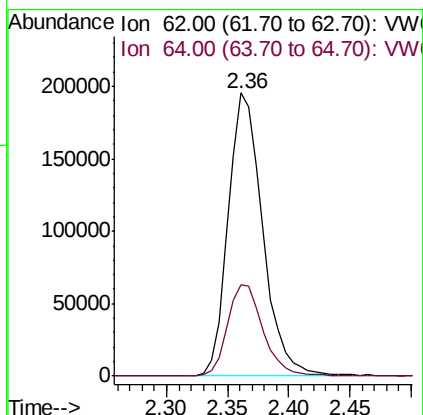
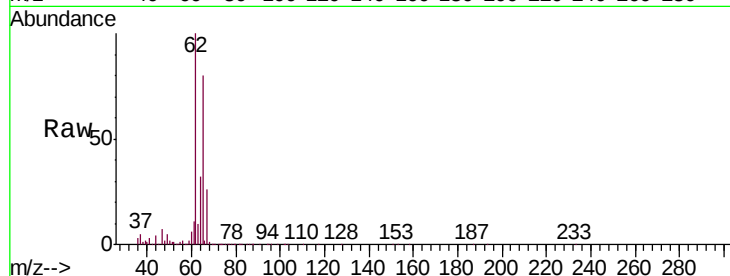
VSTD02530

Tgt Ion: 62 Resp: 380309

Ion Ratio Lower Upper

62 100

64 32.5 23.0 42.8



#6

Bromomethane

Concen: 23.857 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW015052.D

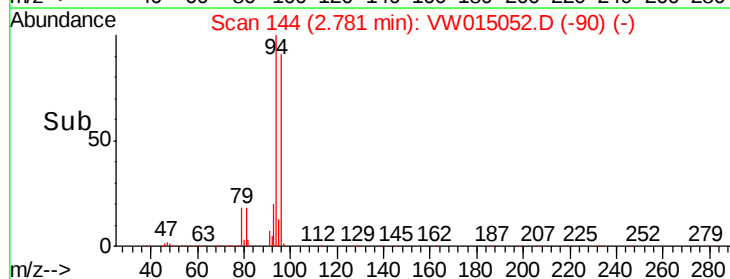
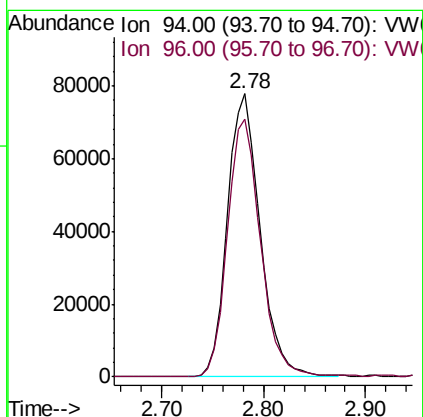
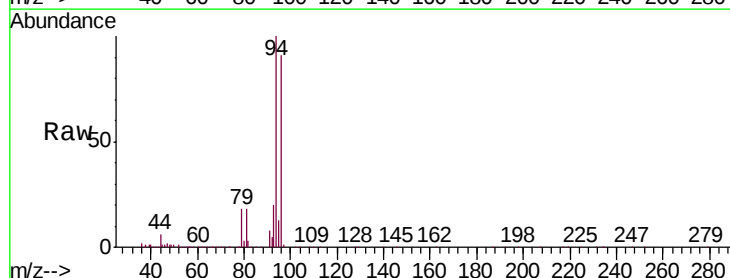
Acq: 26 Feb 2020 19:47

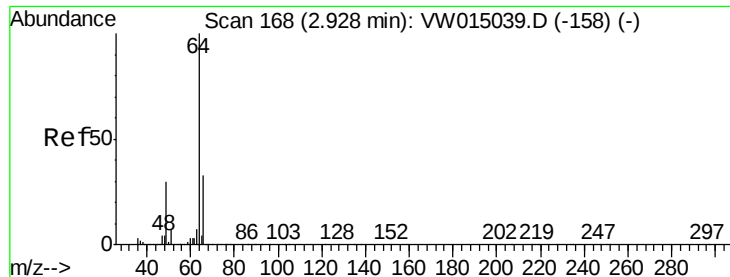
Tgt Ion: 94 Resp: 172387

Ion Ratio Lower Upper

94 100

96 91.5 9.5 179.7





#8

Chloroethane

Concen: 24.486 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW015052.D

Acq: 26 Feb 2020 19:47

Instrument :

MSVOA_W

ClientSampleId :

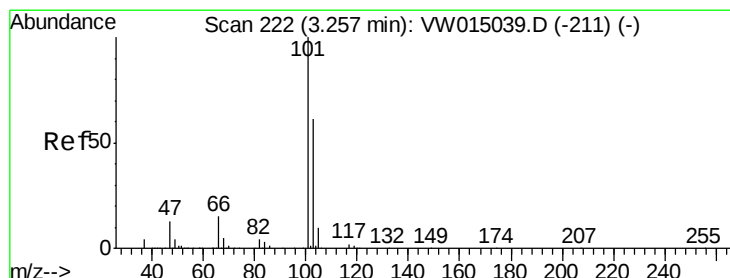
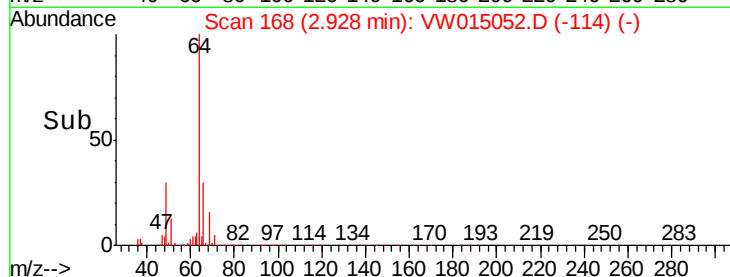
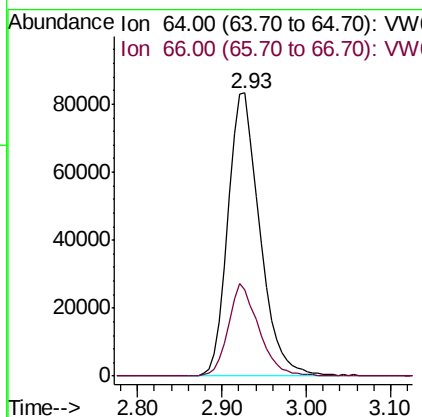
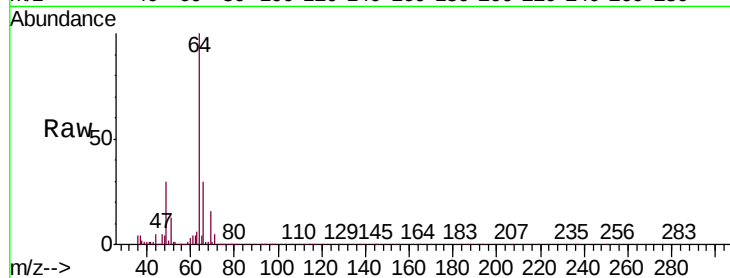
VSTD02530

Tgt Ion: 64 Resp: 214453

Ion Ratio Lower Upper

64 100

66 30.3 21.2 39.4



#9

Trichlorofluoromethane

Concen: 22.064 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW015052.D

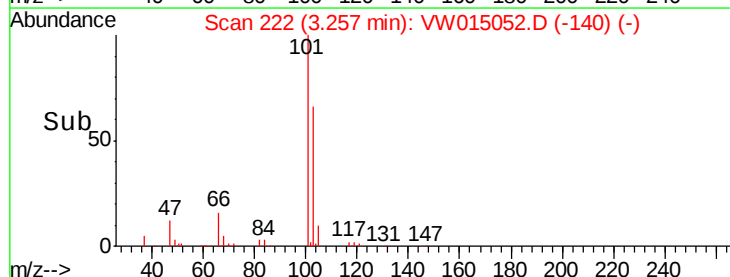
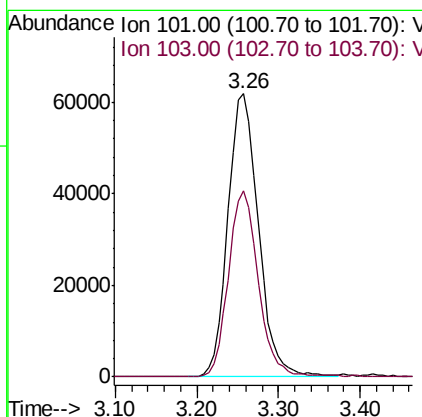
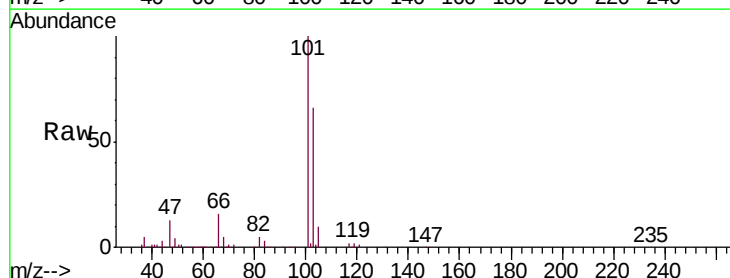
Acq: 26 Feb 2020 19:47

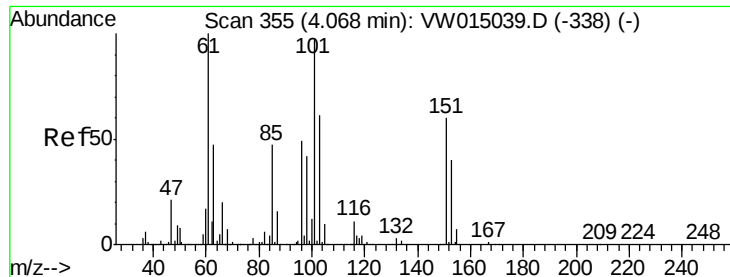
Tgt Ion: 101 Resp: 160052

Ion Ratio Lower Upper

101 100

103 64.0 44.9 83.5





#11

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

Concen: 26.025 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

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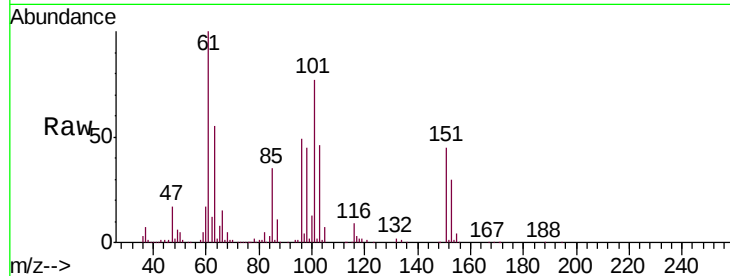
Tgt Ion: 101 Resp: 260006

Ion Ratio Lower Upper

101 100

85 47.2 37.8 56.8

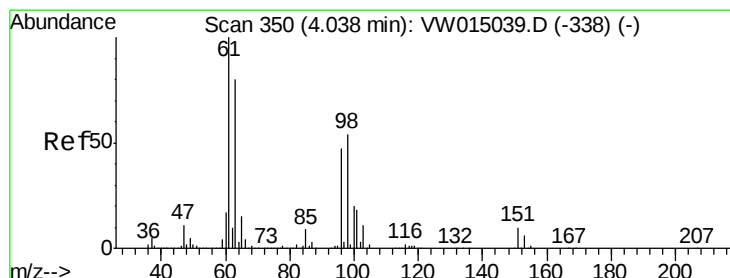
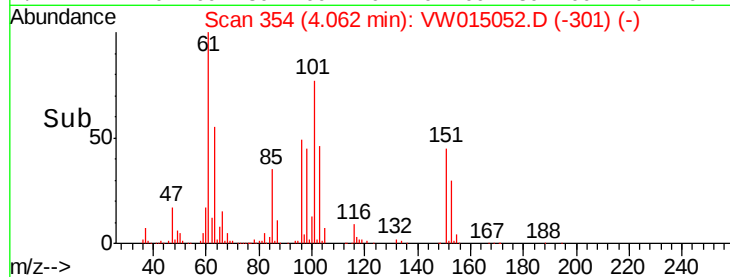
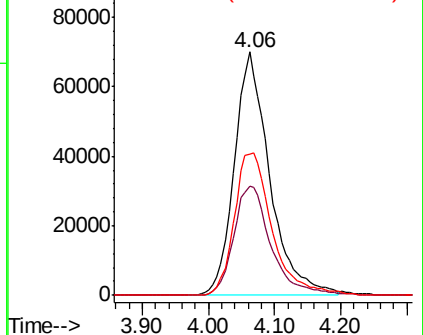
151 62.7 50.3 75.5



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: 25.100 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

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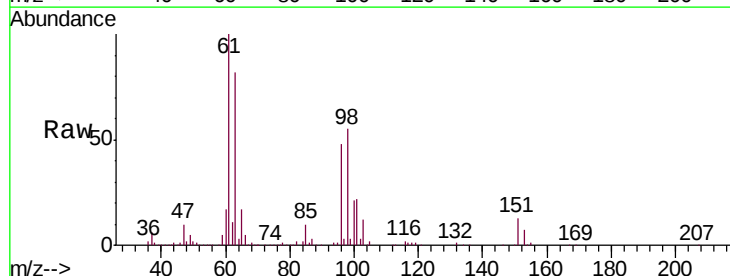
Tgt Ion: 96 Resp: 238746

Ion Ratio Lower Upper

96 100

61 207.2 138.5 257.1

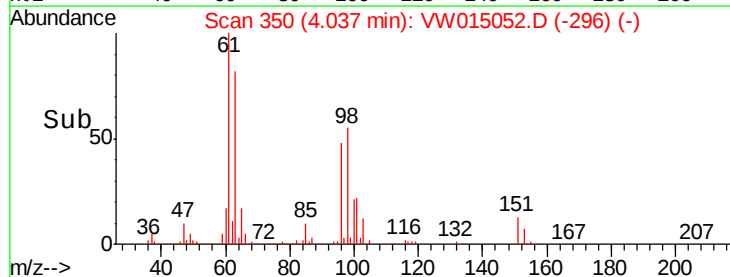
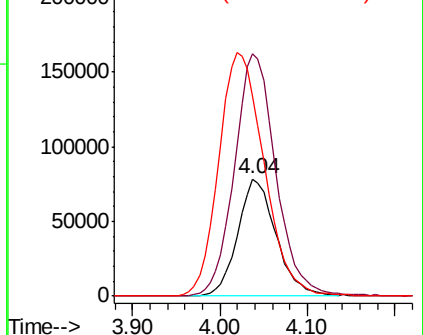
63 170.4 93.4 173.6

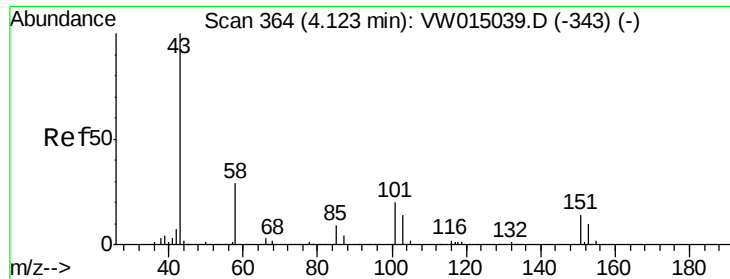


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 53.082 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

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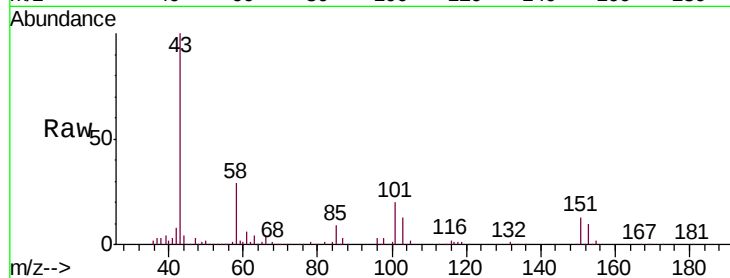
VSTD02530

Tgt Ion: 43 Resp: 166946

Ion Ratio Lower Upper

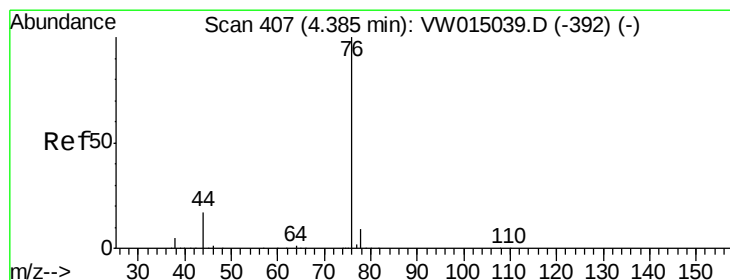
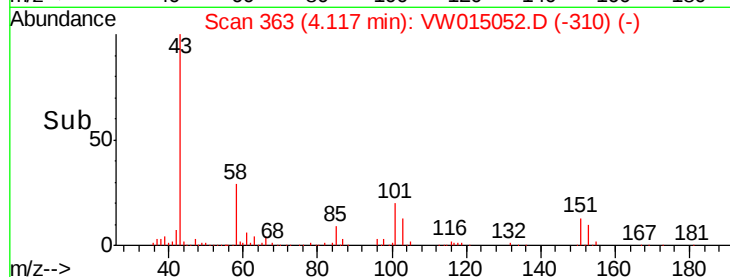
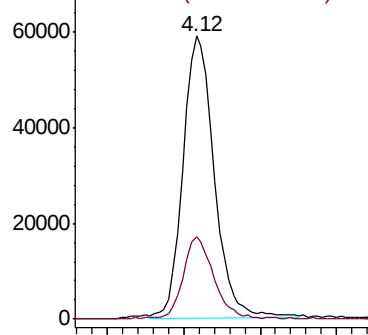
43 100

58 27.6 0.0 54.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 24.597 ug/L

RT: 4.38 min Scan# 407

Delta R.T. -0.00 min

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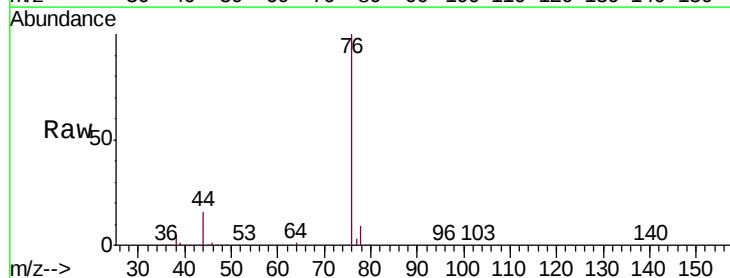
Acq: 26 Feb 2020 19:47

Tgt Ion: 76 Resp: 875496

Ion Ratio Lower Upper

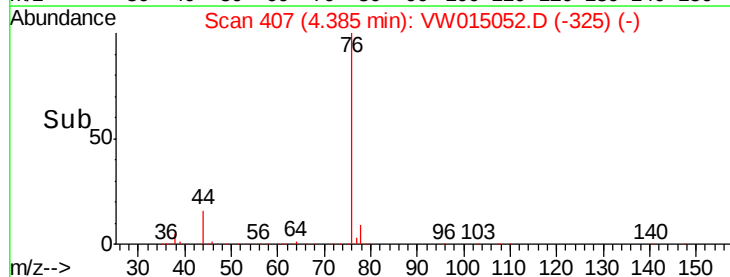
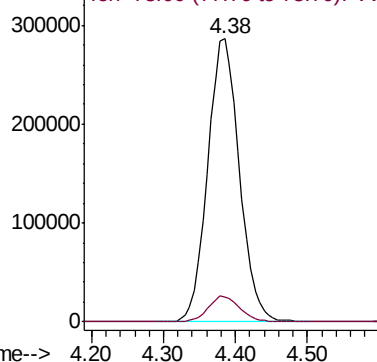
76 100

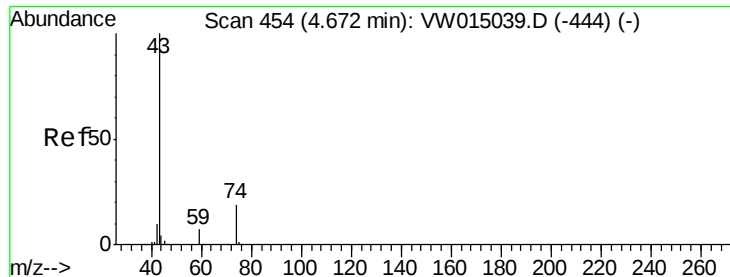
78 8.9 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

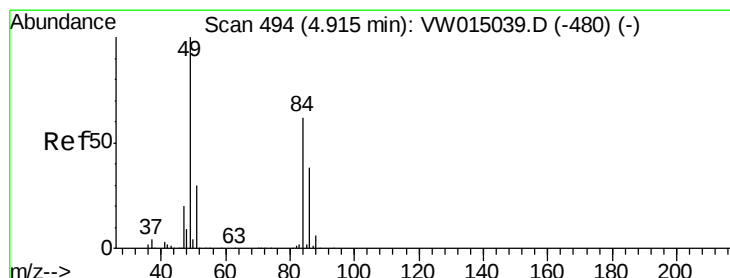
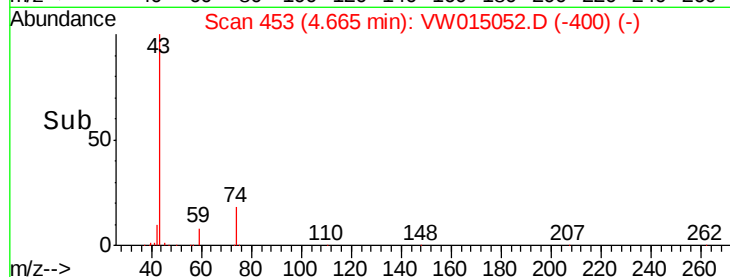
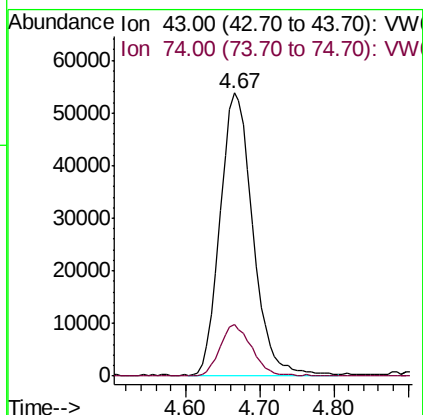
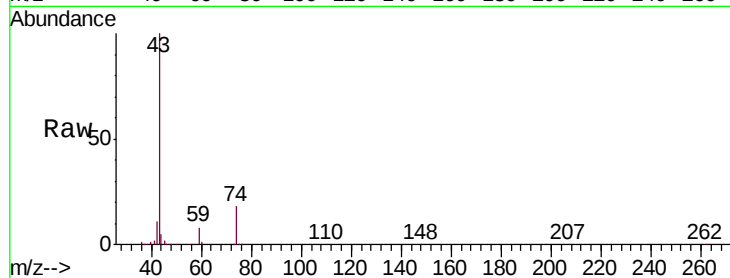




#15
Methyl Acetate
Concen: 30.930 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW015052.D
Acq: 26 Feb 2020 19:47

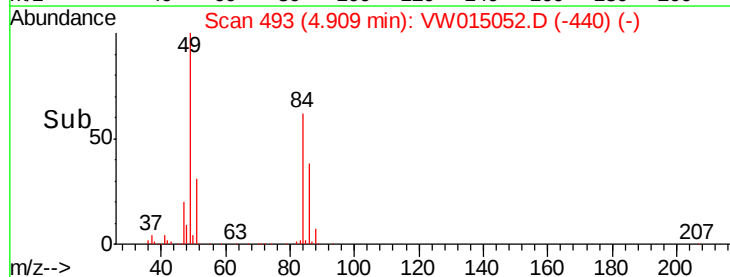
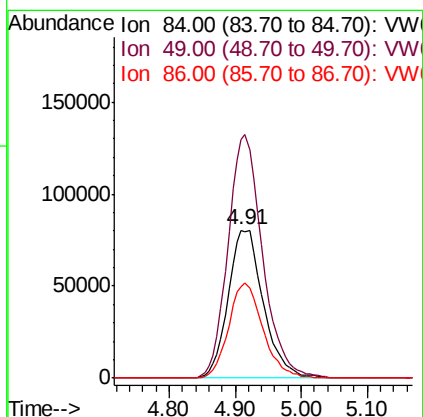
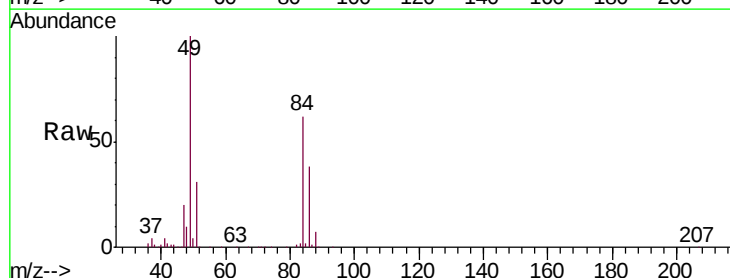
Instrument :
MSVOA_W
ClientSampleId :
VSTD02530

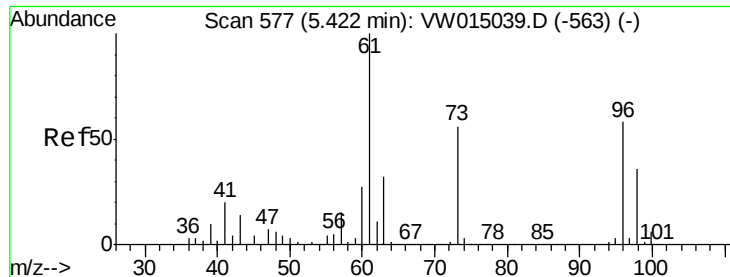
Tgt Ion: 43 Resp: 163799
Ion Ratio Lower Upper
43 100
74 17.8 14.5 21.7



#16
Methylene chloride
Concen: 25.276 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW015052.D
Acq: 26 Feb 2020 19:47

Tgt Ion: 84 Resp: 297544
Ion Ratio Lower Upper
84 100
49 160.7 115.6 214.8
86 61.2 45.9 85.3

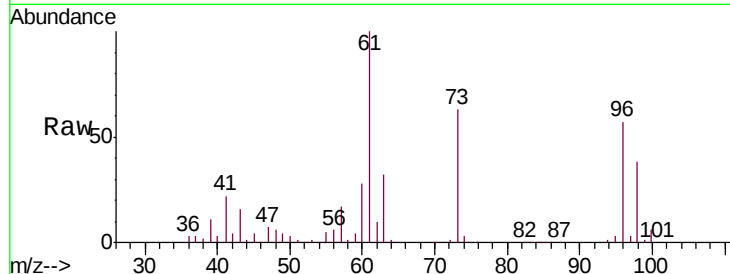




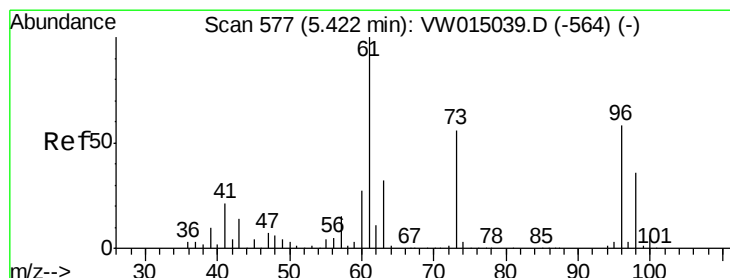
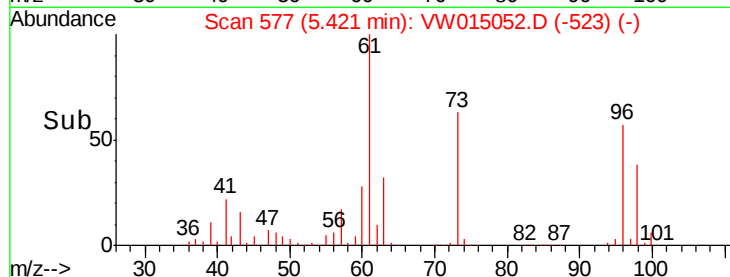
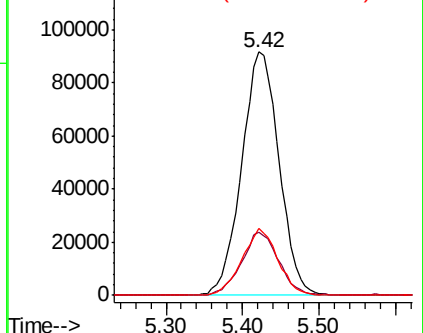
#17
Methyl tert-butyl Ether
Concen: 27.093 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW015052.D
Acq: 26 Feb 2020 19:47

Instrument :
MSVOA_W
ClientSampleId :
VSTD02530

Tgt Ion: 73 Resp: 311924
Ion Ratio Lower Upper
73 100
43 25.8 19.7 29.5
57 26.2 20.4 30.6

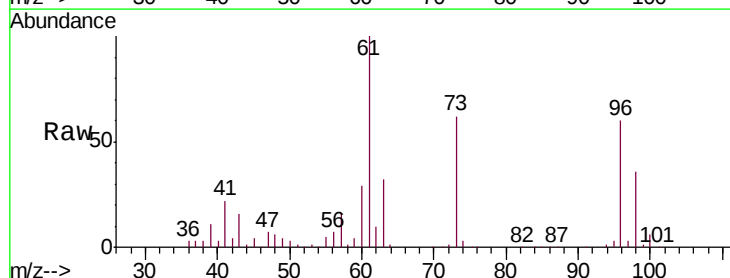


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

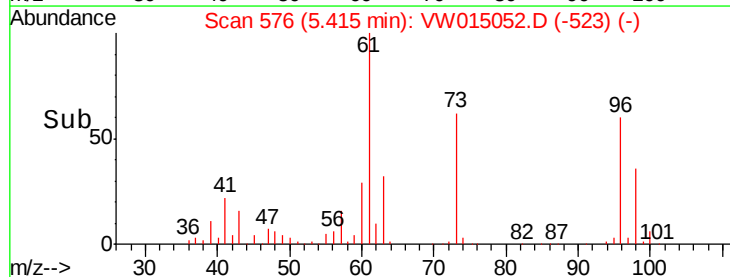
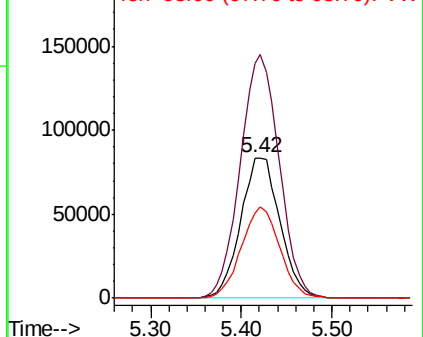


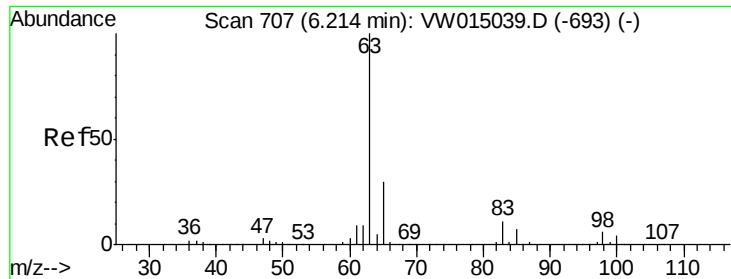
#18
trans-1,2-Dichloroethene
Concen: 25.576 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW015052.D
Acq: 26 Feb 2020 19:47

Tgt Ion: 96 Resp: 251335
Ion Ratio Lower Upper
96 100
61 167.3 115.1 213.8
98 60.3 44.0 81.6



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





#19

1,1-Dichloroethane

Concen: 26.454 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW015052.D

Acq: 26 Feb 2020 19:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD02530

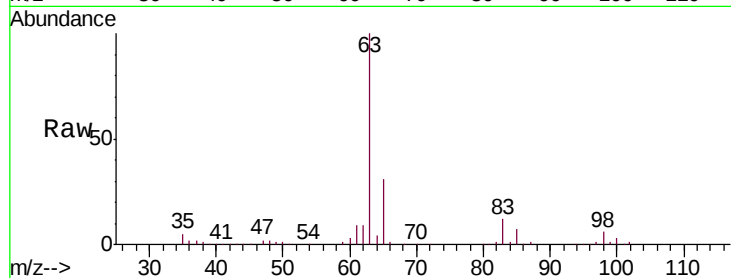
Tgt Ion: 63 Resp: 579814

Ion Ratio Lower Upper

63 100

65 30.6 21.9 40.7

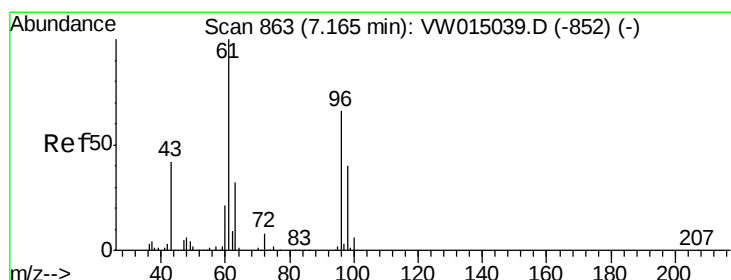
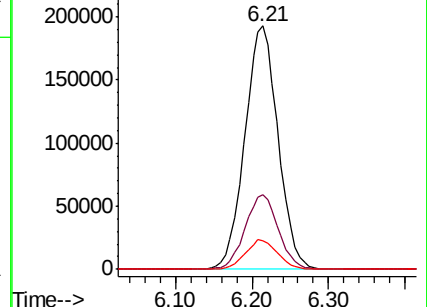
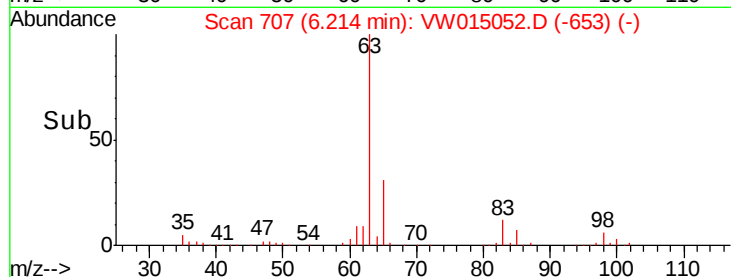
83 11.9 7.8 14.6



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: 60.734 ug/L

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW015052.D

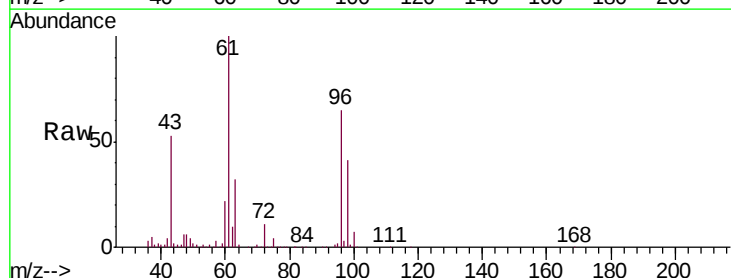
Acq: 26 Feb 2020 19:47

Tgt Ion: 43 Resp: 224614

Ion Ratio Lower Upper

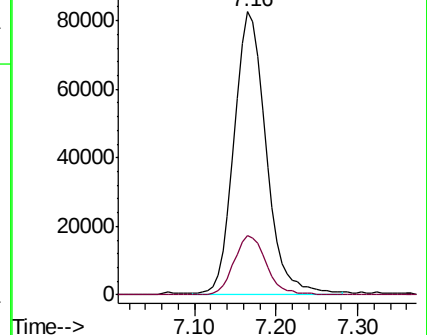
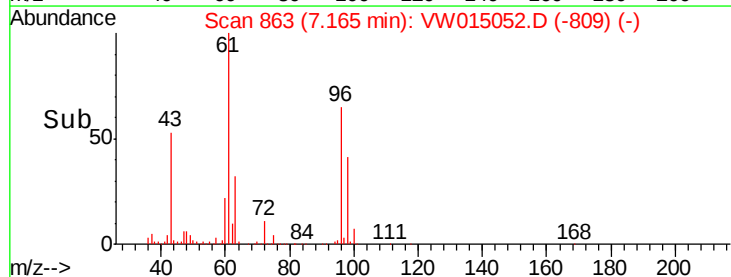
43 100

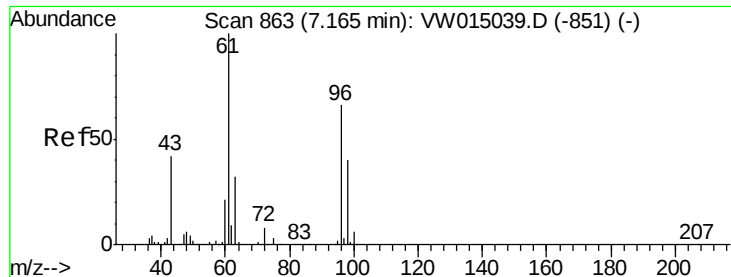
72 20.8 10.4 31.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



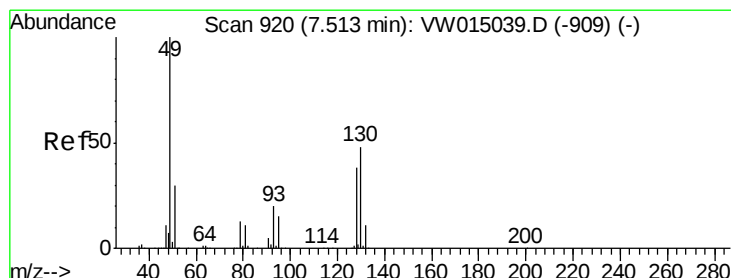
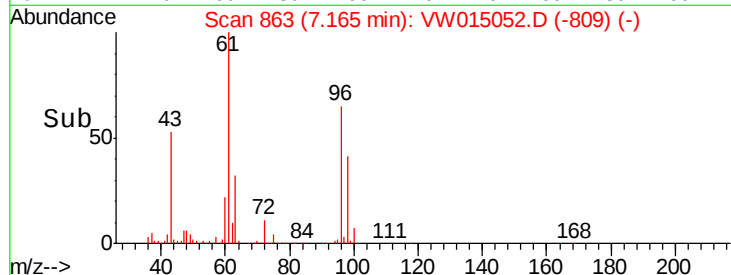
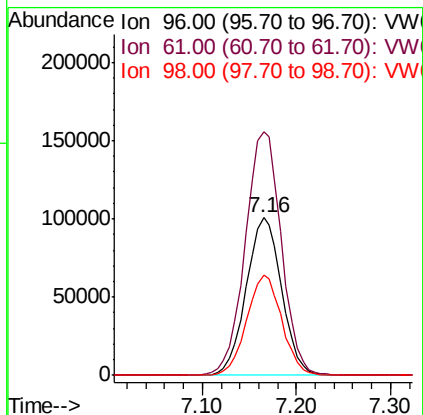
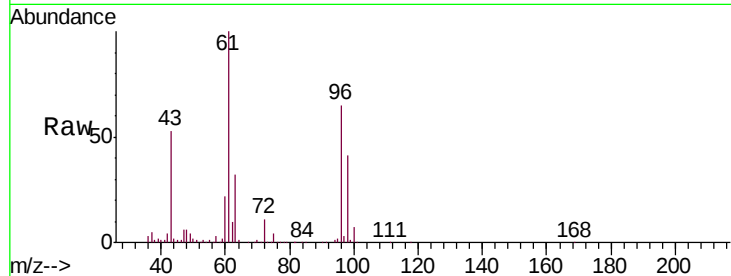


#22

cis-1,2-Dichloroethene
Concen: 26.495 ug/L
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW015052.D
Acq: 26 Feb 2020 19:47

Instrument :
MSVOA_W
ClientSampleId :
VSTD02530

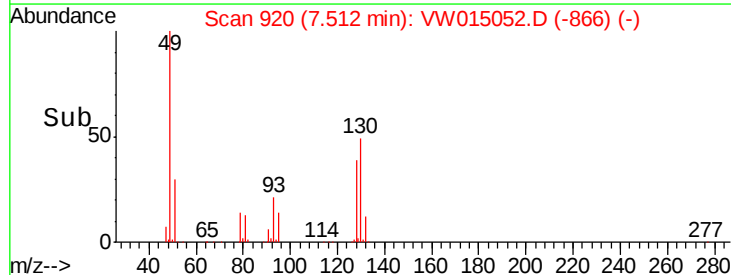
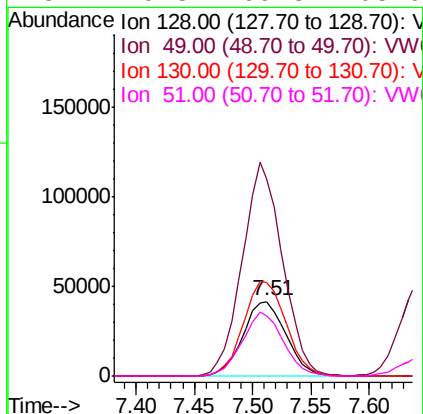
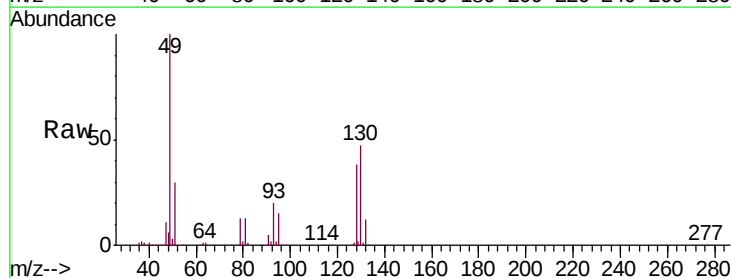
Tgt Ion: 96 Resp: 264969
Ion Ratio Lower Upper
96 100
61 154.4 105.2 195.4
98 63.5 42.6 79.2

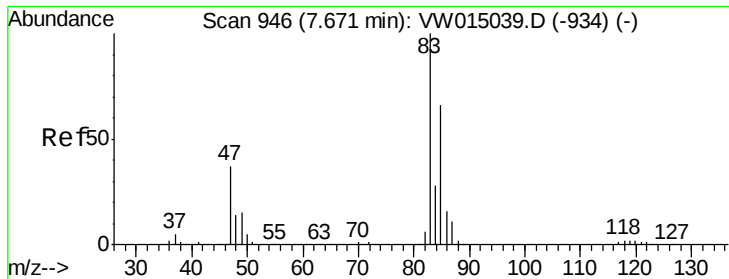


#23

Bromochloromethane
Concen: 27.227 ug/L
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW015052.D
Acq: 26 Feb 2020 19:47

Tgt Ion: 128 Resp: 105923
Ion Ratio Lower Upper
128 100
49 264.5 192.7 357.9
130 125.4 92.7 172.1
51 79.8 69.3 103.9





#25

Chloroform

Concen: 26.344 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW015052.D

Acq: 26 Feb 2020 19:47

Instrument :

MSVOA_W

ClientSampleId :

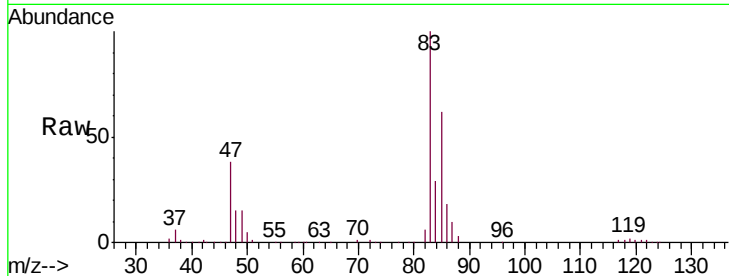
VSTD02530

Tgt Ion: 83 Resp: 523991

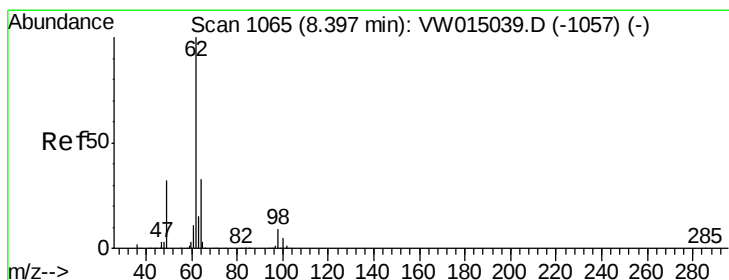
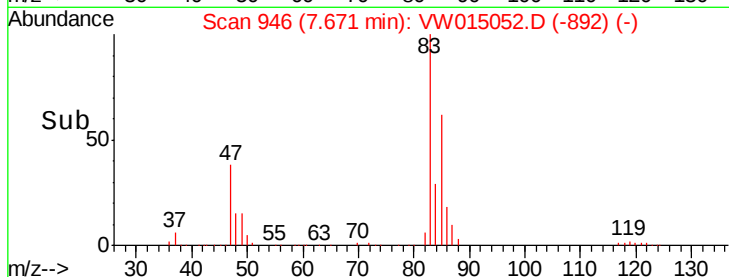
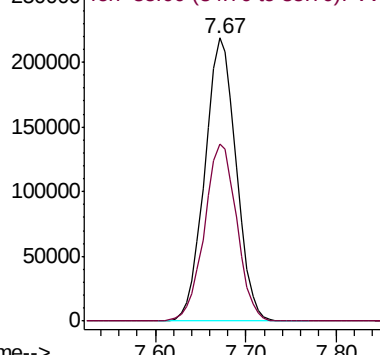
Ion Ratio Lower Upper

83 100

85 64.5 44.9 83.5



Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 85.00 (84.70 to 85.70): VW



#27

1,2-Dichloroethane

Concen: 28.194 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW015052.D

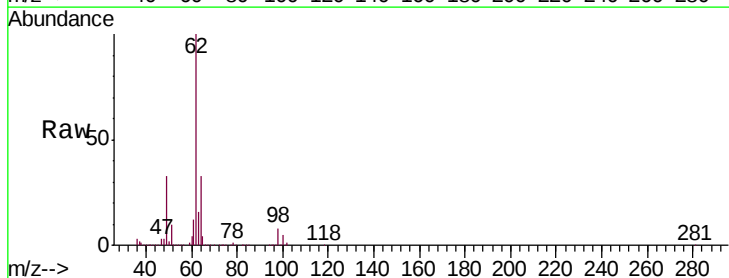
Acq: 26 Feb 2020 19:47

Tgt Ion: 62 Resp: 383705

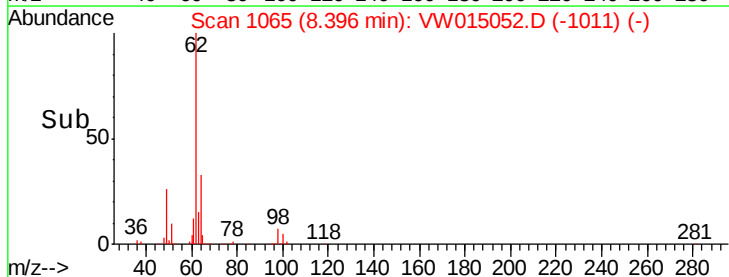
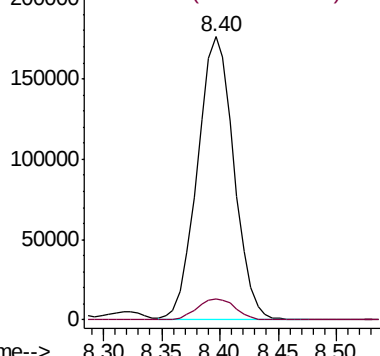
Ion Ratio Lower Upper

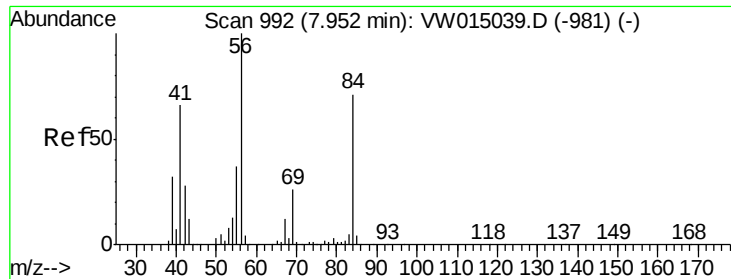
62 100

98 7.5 6.5 9.7



Abundance Ion 62.00 (61.70 to 62.70): VW
Ion 98.00 (97.70 to 98.70): VW

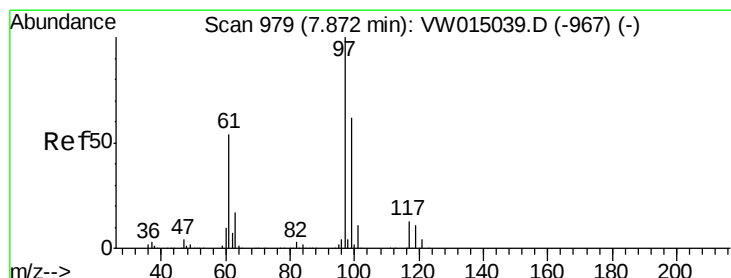
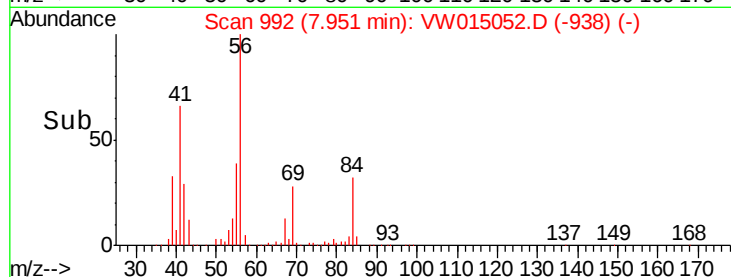
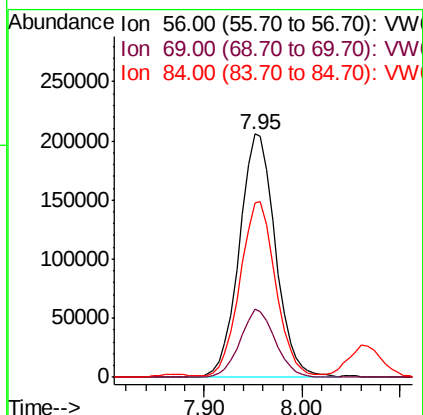
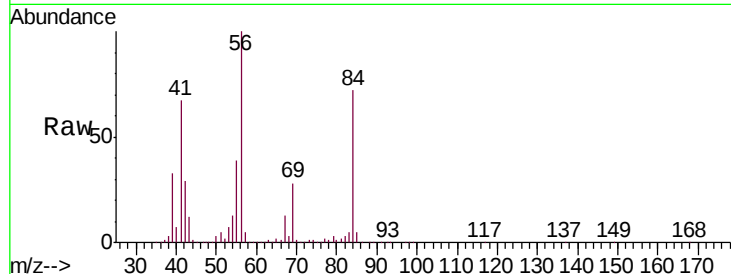




#30
Cyclohexane
Concen: 26.438 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW015052.D
Acq: 26 Feb 2020 19:47

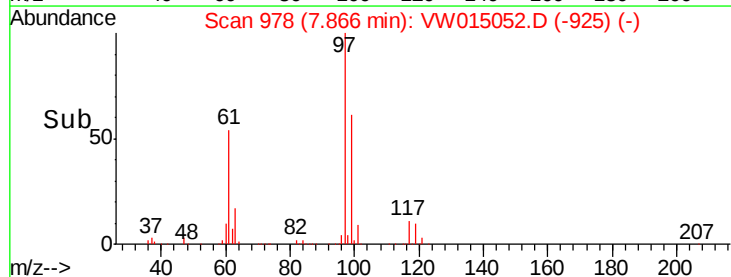
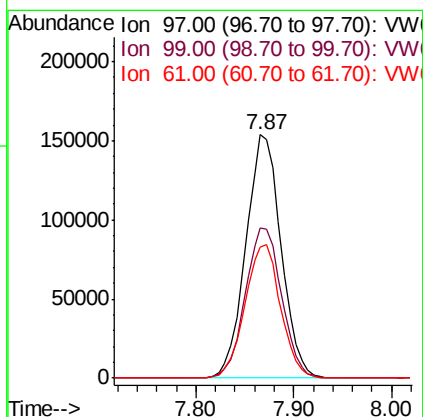
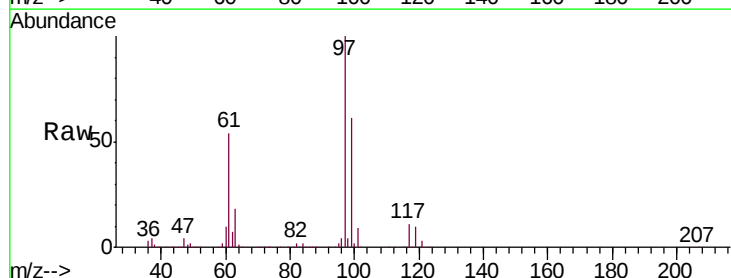
Instrument :
MSVOA_W
ClientSampleId :
VSTD02530

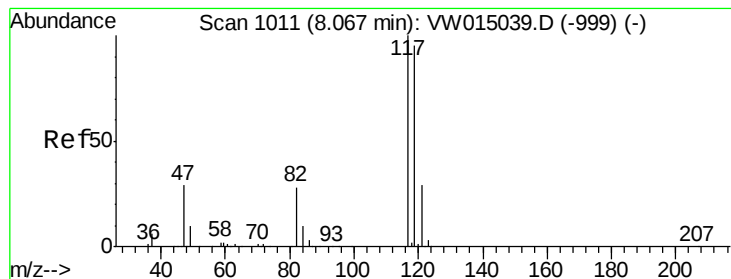
Tgt Ion: 56 Resp: 527179
Ion Ratio Lower Upper
56 100
69 27.2 21.8 32.6
84 71.7 57.3 85.9



#31
1,1,1-Trichloroethane
Concen: 24.978 ug/L
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW015052.D
Acq: 26 Feb 2020 19:47

Tgt Ion: 97 Resp: 384202
Ion Ratio Lower Upper
97 100
99 63.5 50.6 76.0
61 55.5 43.1 64.7





#32

Carbon tetrachloride

Concen: 25.293 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VW015052.D

Acq: 26 Feb 2020 19:47

Instrument :

MSVOA_W

ClientSampleId :

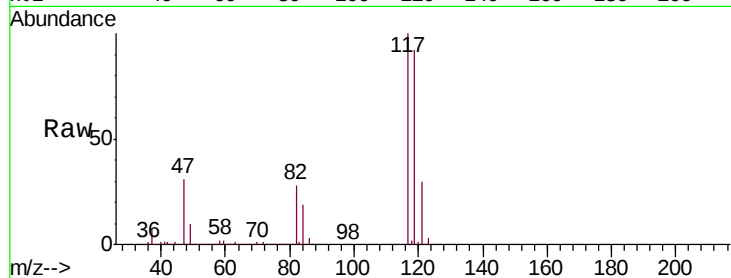
VSTD02530

Tgt Ion:117 Resp: 348625

Ion Ratio Lower Upper

117 100

119 94.7 76.3 114.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.06

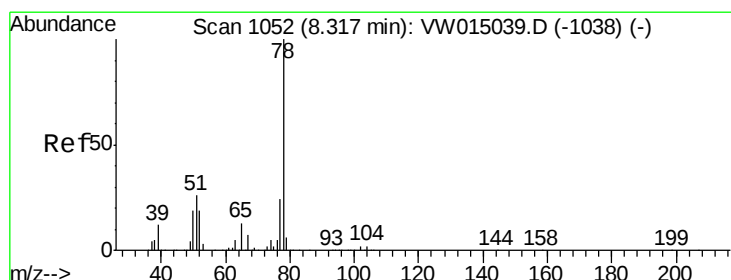
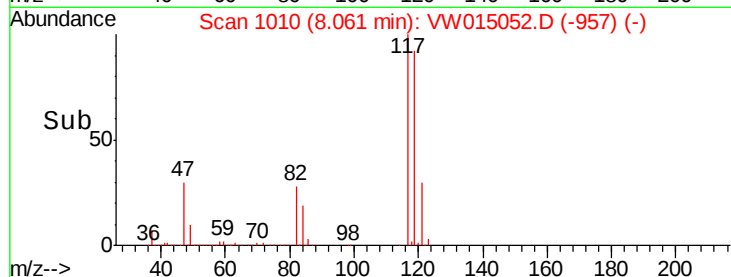
150000

100000

50000

0

Time--> 7.90 8.00 8.10 8.20



#34

Benzene

Concen: 27.319 ug/L

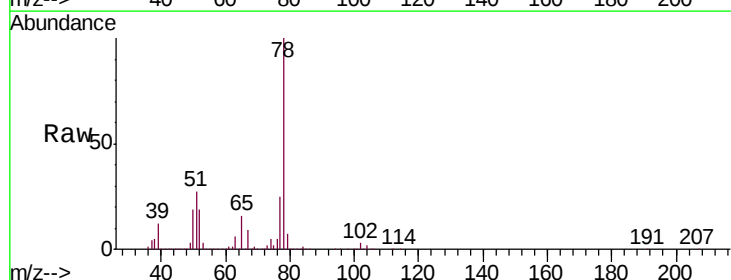
RT: 8.32 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VW015052.D

Acq: 26 Feb 2020 19:47

Tgt Ion: 78 Resp: 1212018



Abundance Ion 78.00 (77.70 to 78.70): VW

600000

500000

400000

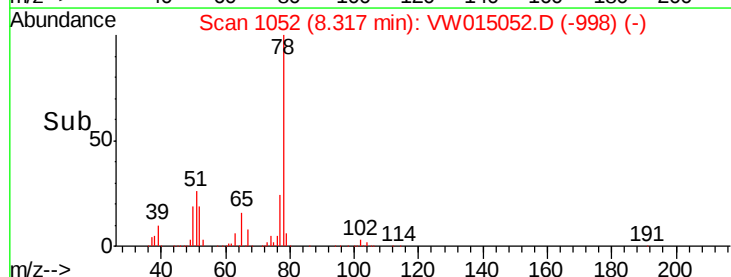
300000

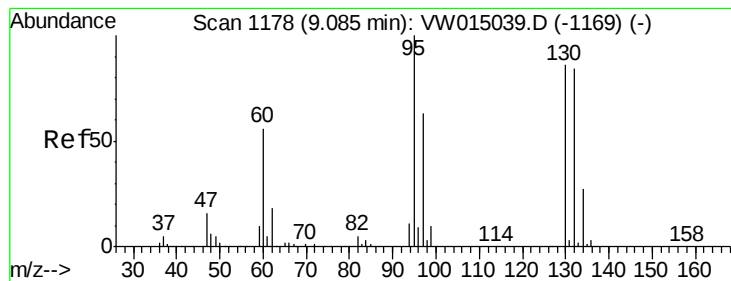
200000

100000

0

Time--> 8.20 8.30 8.40





#35

Trichloroethene

Concen: 25.633 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VW015052.D

Acq: 26 Feb 2020 19:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD02530

Tgt Ion: 95 Resp: 275090

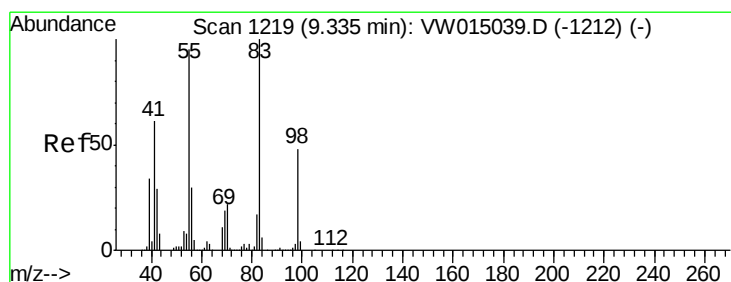
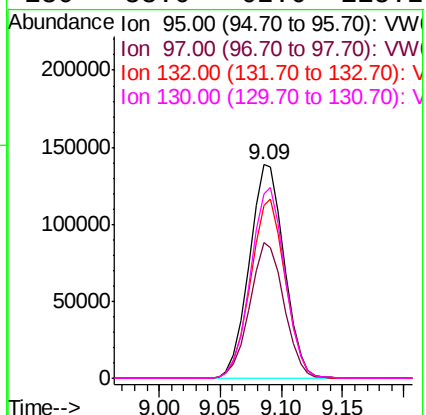
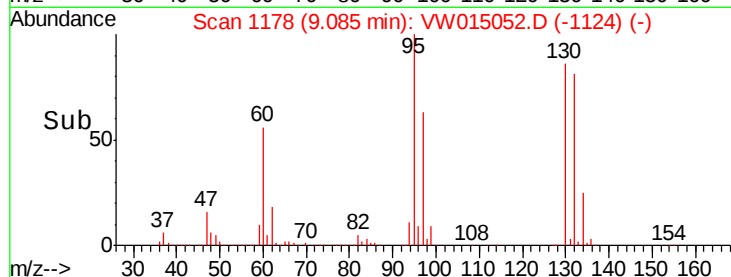
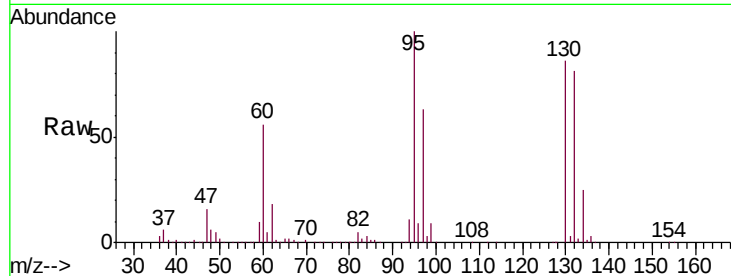
Ion Ratio Lower Upper

95 100

97 62.6 44.7 83.1

132 83.6 58.1 107.9

130 88.0 62.0 115.2



#36

Methylcyclohexane

Concen: 27.343 ug/L

RT: 9.33 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VW015052.D

Acq: 26 Feb 2020 19:47

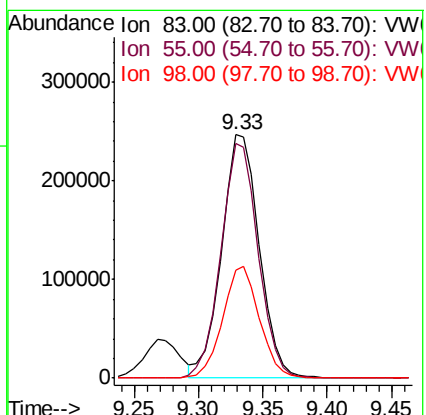
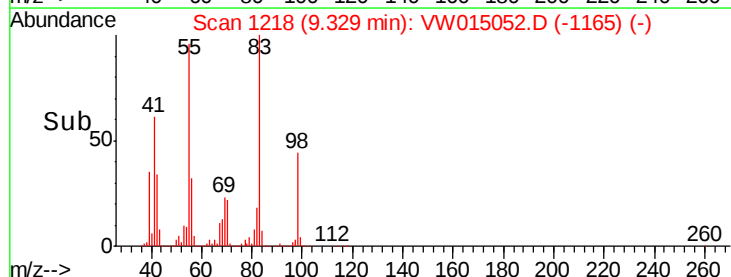
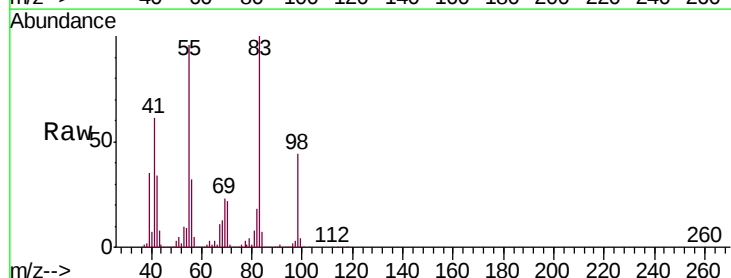
Tgt Ion: 83 Resp: 503895

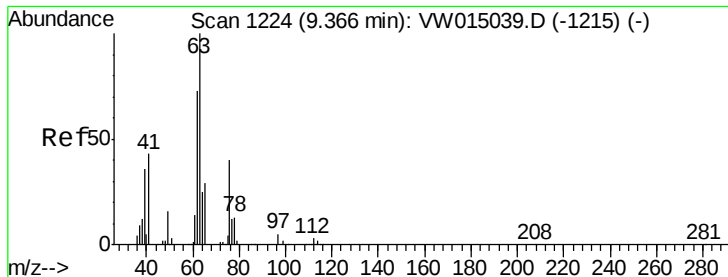
Ion Ratio Lower Upper

83 100

55 95.6 76.6 115.0

98 45.0 36.6 54.8

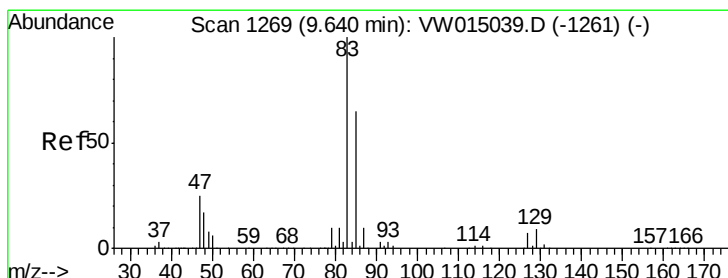
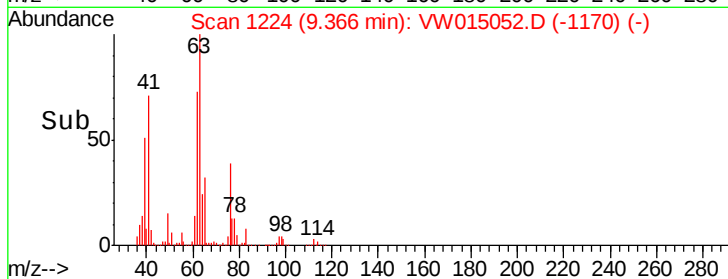
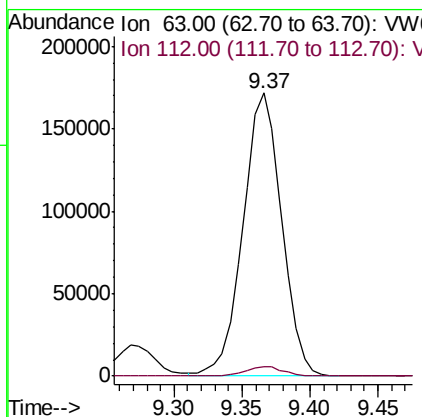
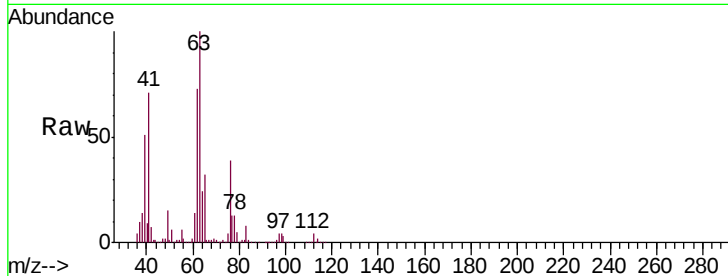




#40
 1,2-Dichloropropane
 Concen: 27.749 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW015052.D
 Acq: 26 Feb 2020 19:47

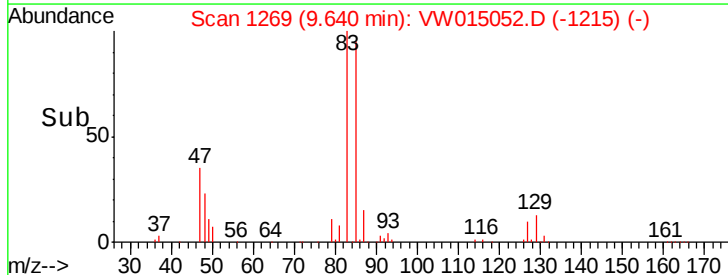
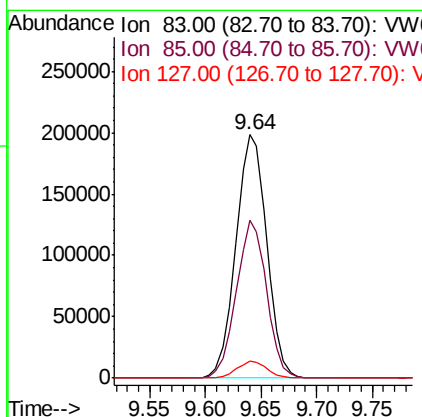
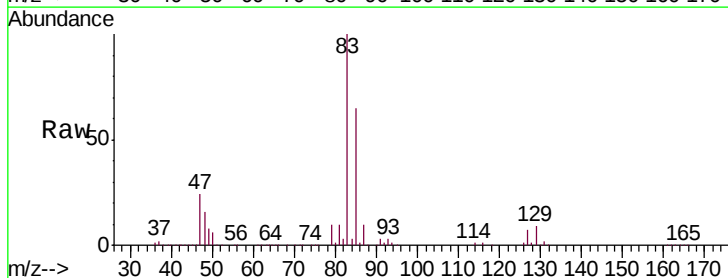
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

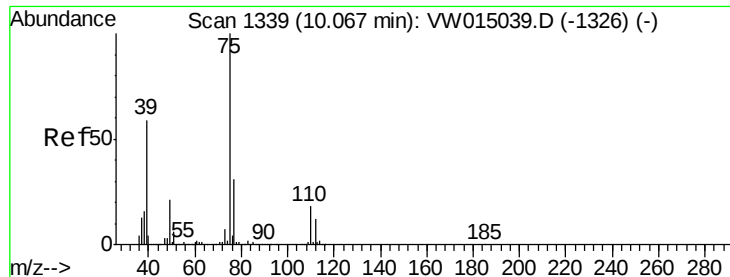
Tgt Ion: 63 Resp: 341925
 Ion Ratio Lower Upper
 63 100
 112 3.5 2.8 4.2



#41
 Bromodichloromethane
 Concen: 27.488 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW015052.D
 Acq: 26 Feb 2020 19:47

Tgt Ion: 83 Resp: 379926
 Ion Ratio Lower Upper
 83 100
 85 64.6 44.7 83.1
 127 7.1 5.4 8.0





#42

cis-1,3-Dichloropropene

Concen: 27.497 ug/L

RT: 10.07 min Scan# 1339

Delta R.T. -0.00 min

Lab File: VW015052.D

Acq: 26 Feb 2020 19:47

Instrument :

MSVOA_W

ClientSampleId :

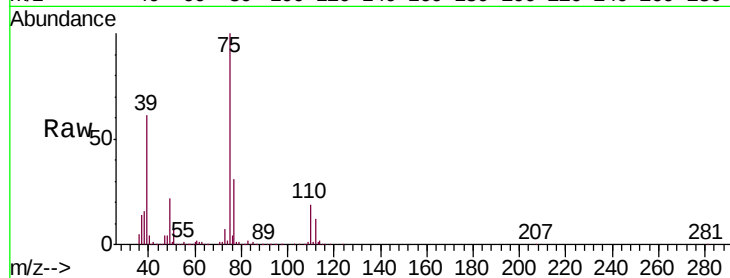
VSTD02530

Tgt Ion: 75 Resp: 441505

Ion Ratio Lower Upper

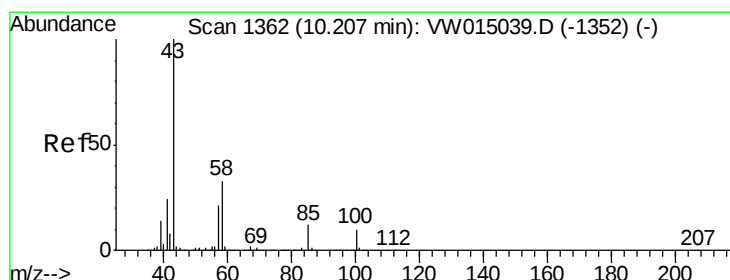
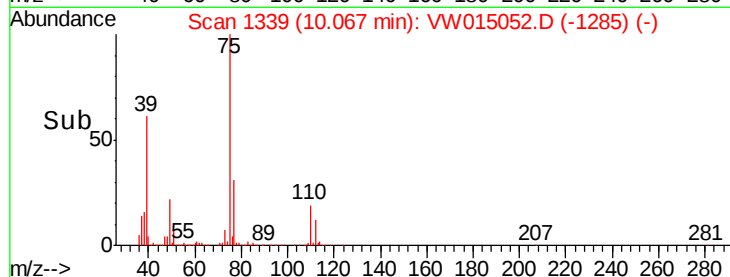
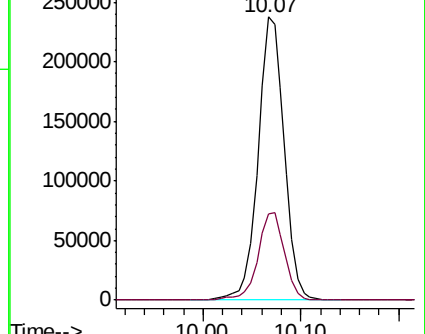
75 100

77 30.5 21.9 40.7



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#43

4-Methyl-2-pentanone

Concen: 67.054 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW015052.D

Acq: 26 Feb 2020 19:47

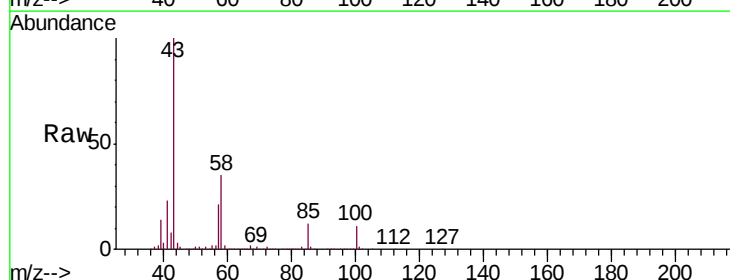
Tgt Ion: 43 Resp: 462122

Ion Ratio Lower Upper

43 100

58 34.5 27.6 41.4

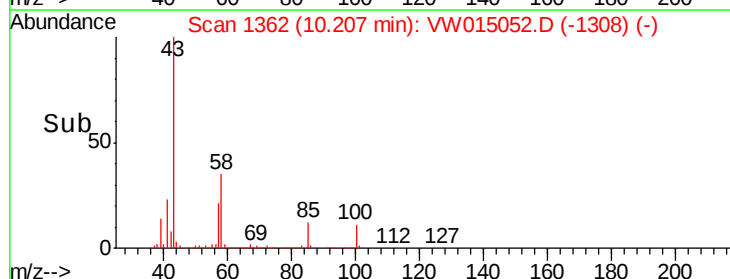
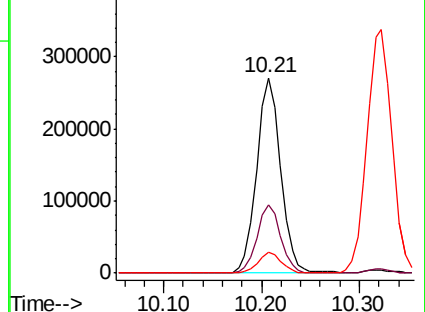
100 10.3 8.6 13.0

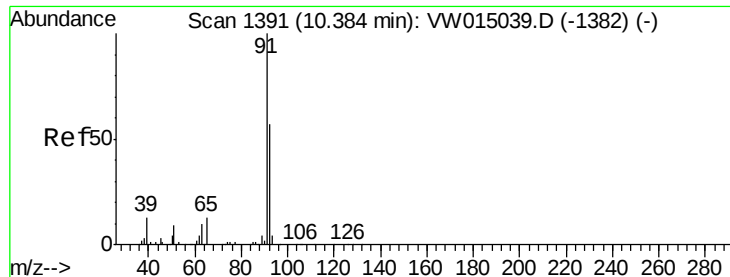


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW





#44

Toluene

Concen: 28.142 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW015052.D

Acq: 26 Feb 2020 19:47

Instrument :

MSVOA_W

ClientSampleId :

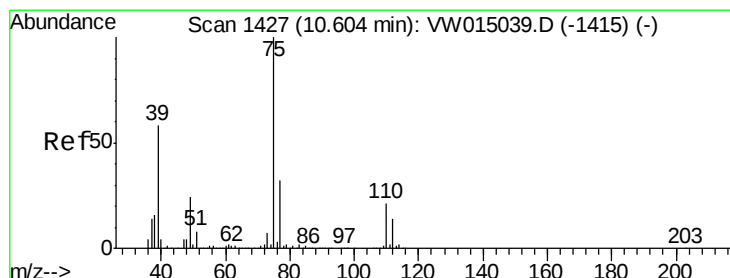
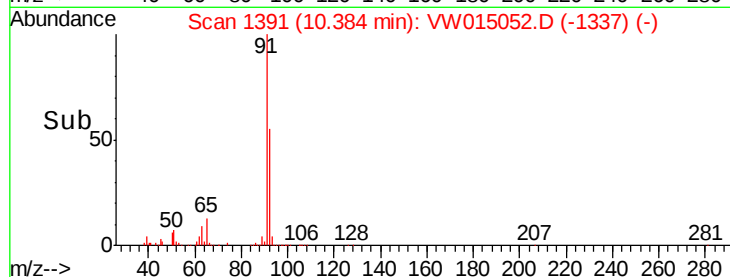
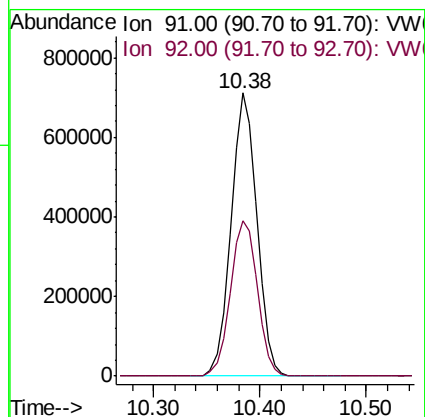
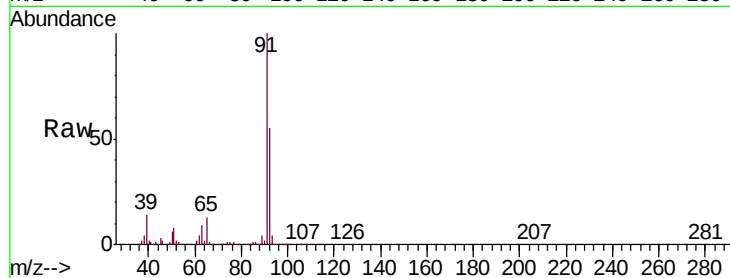
VSTD02530

Tgt Ion: 91 Resp: 1212576

Ion Ratio Lower Upper

91 100

92 55.1 40.5 75.1



#45

trans-1,3-Dichloropropene

Concen: 28.594 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW015052.D

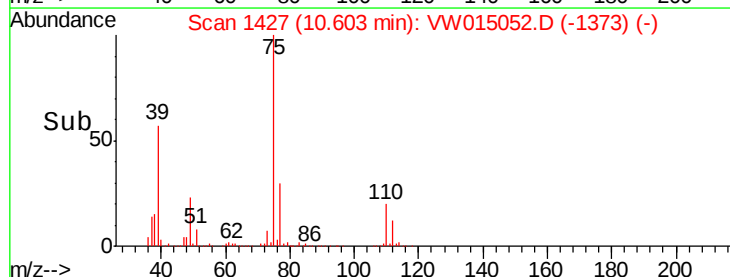
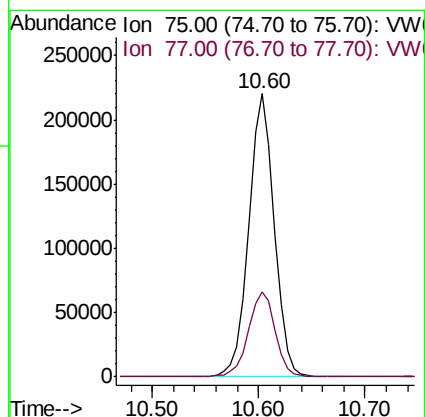
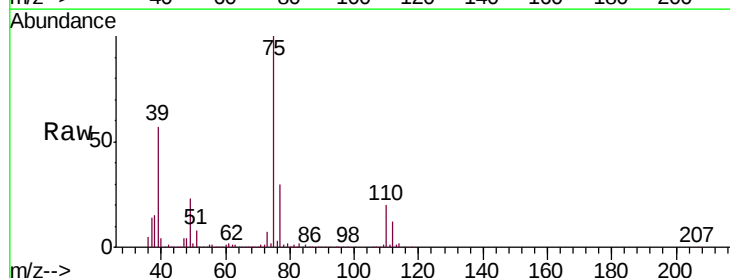
Acq: 26 Feb 2020 19:47

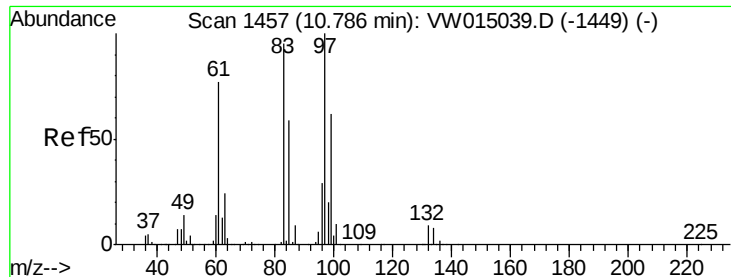
Tgt Ion: 75 Resp: 371080

Ion Ratio Lower Upper

75 100

77 30.1 21.6 40.2





#46

1,1,2-Trichloroethane

Concen: 28.565 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW015052.D

Acq: 26 Feb 2020 19:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD02530

Tgt Ion: 97 Resp: 198068

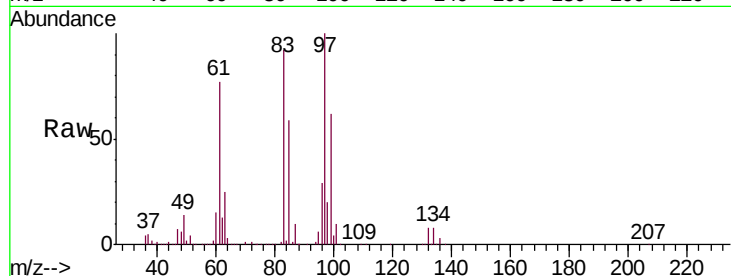
Ion Ratio Lower Upper

97 100

83 91.5 64.4 119.6

85 59.2 40.9 75.9

99 62.4 44.1 81.9

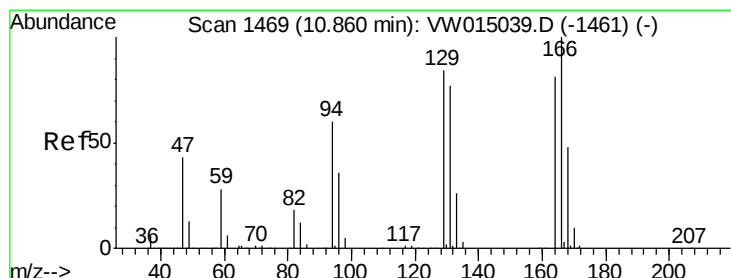
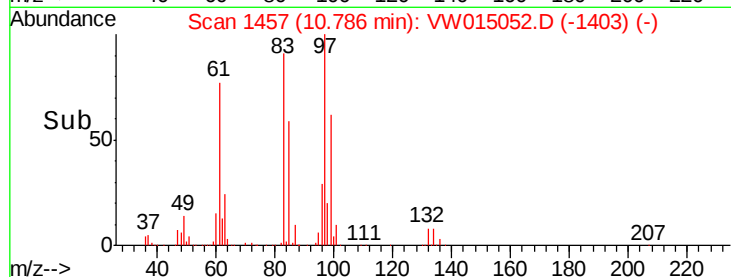
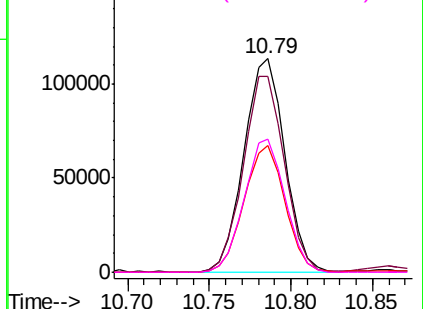


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 25.908 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW015052.D

Acq: 26 Feb 2020 19:47

Tgt Ion: 164 Resp: 179195

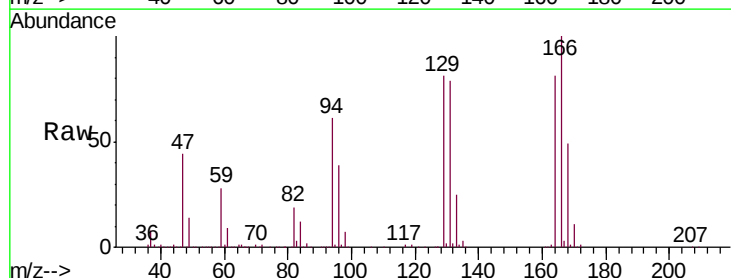
Ion Ratio Lower Upper

164 100

129 99.4 71.7 133.1

131 97.0 70.1 130.3

166 123.0 91.3 169.6

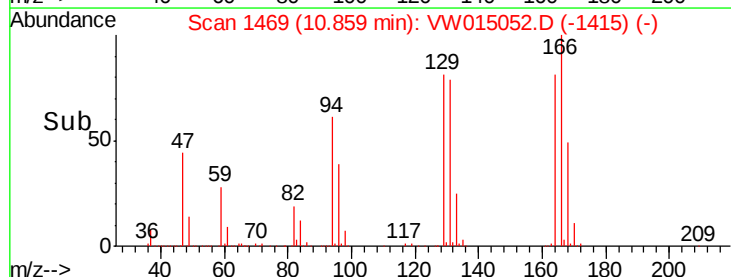
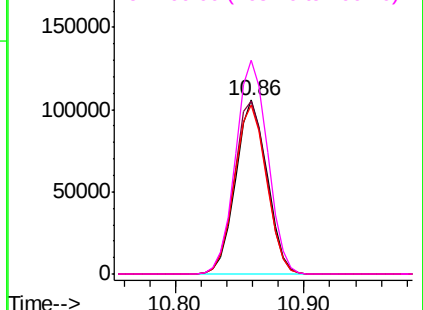


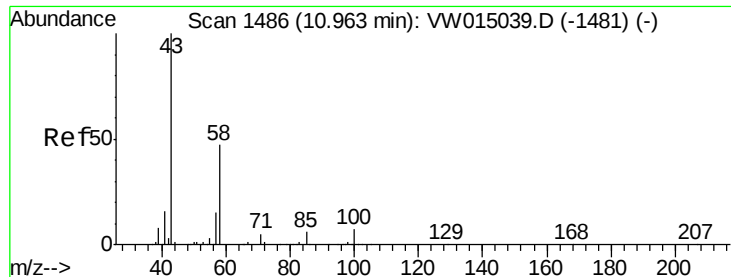
Abundance Ion 164.00 (163.70 to 164.70): V

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: 68.244 ug/L

RT: 10.96 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VW015052.D

Acq: 26 Feb 2020 19:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD02530

Tgt Ion: 43 Resp: 340978

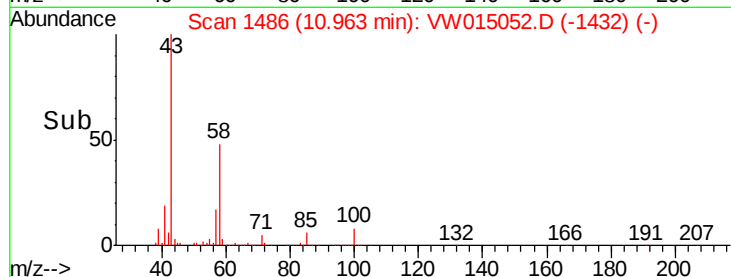
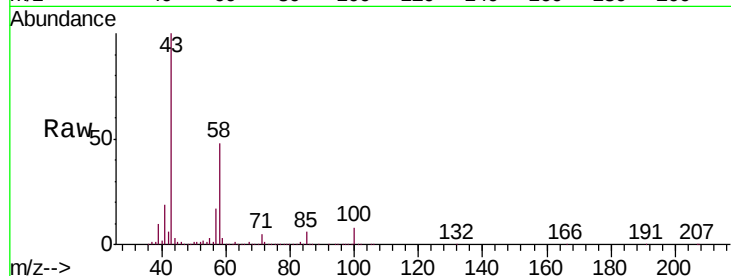
Ion Ratio Lower Upper

43 100

58 46.8 38.9 58.3

57 16.1 13.4 20.2

100 7.8 6.7 10.1



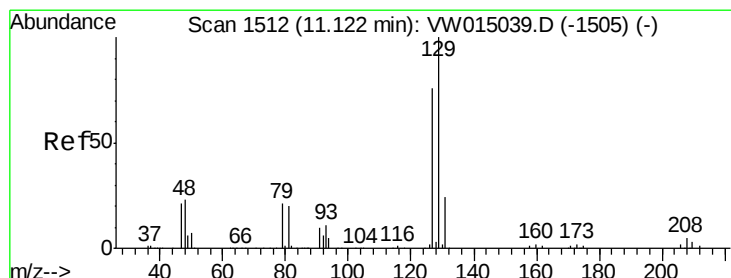
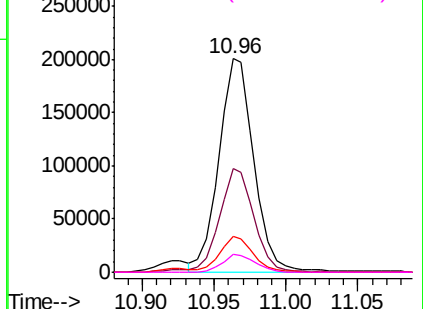
Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 28.190 ug/L

RT: 11.12 min Scan# 1512

Delta R.T. -0.00 min

Lab File: VW015052.D

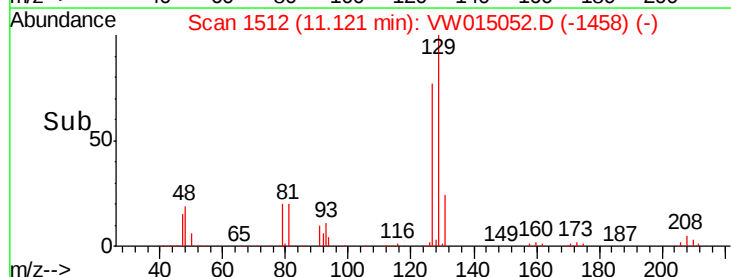
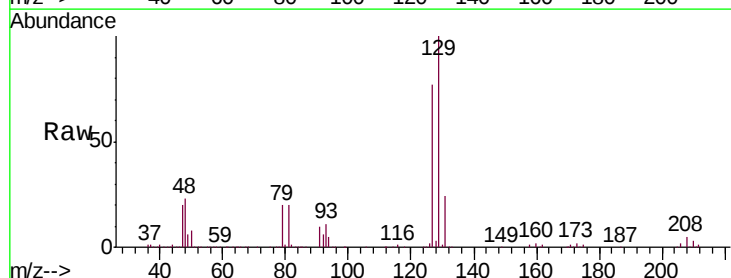
Acq: 26 Feb 2020 19:47

Tgt Ion: 129 Resp: 208023

Ion Ratio Lower Upper

129 100

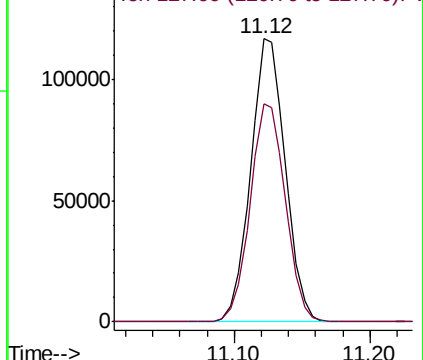
127 77.3 56.4 104.7

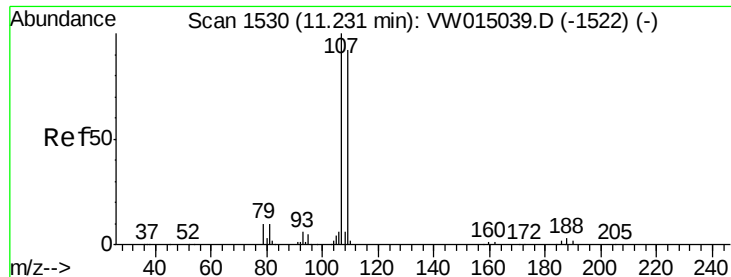


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

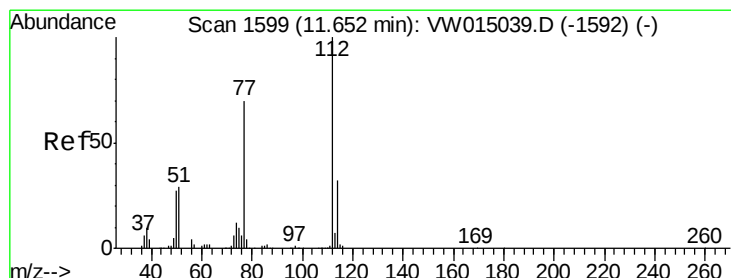
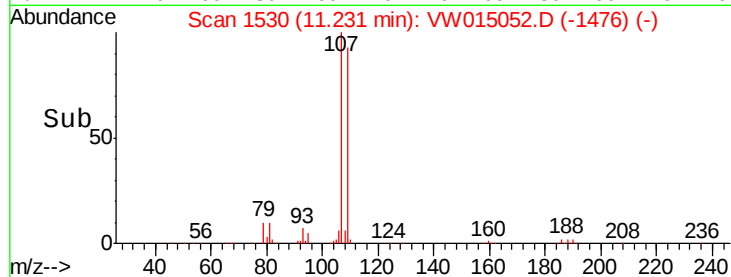
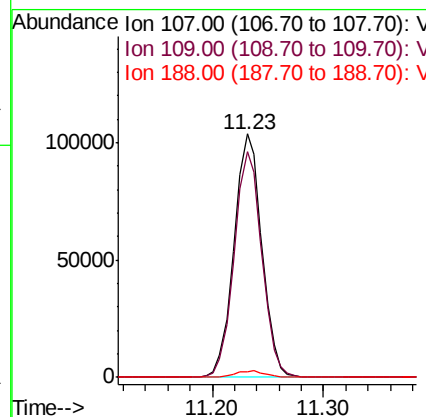
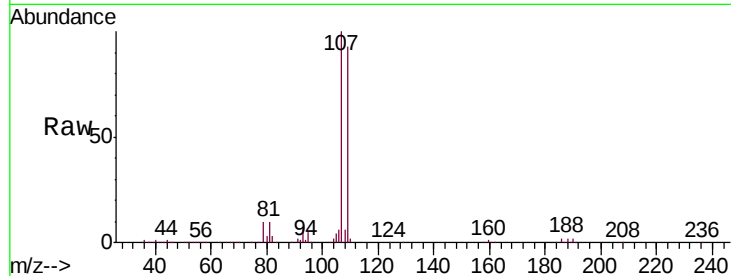




#51
 1,2-Dibromoethane
 Concen: 29.656 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW015052.D
 Acq: 26 Feb 2020 19:47

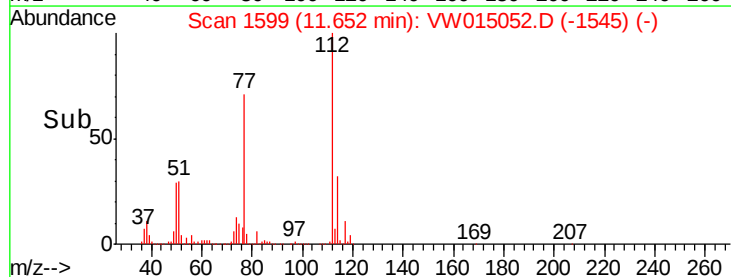
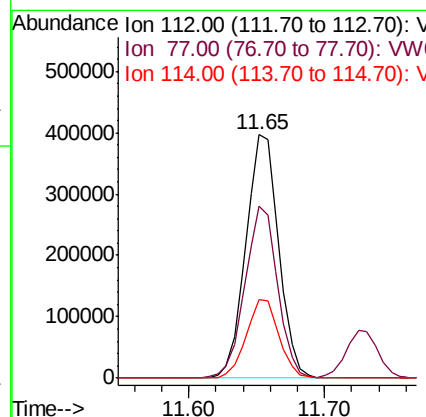
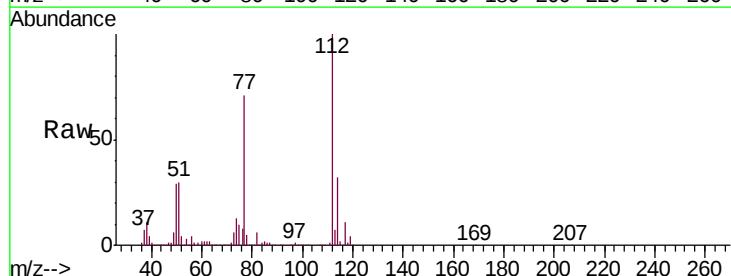
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

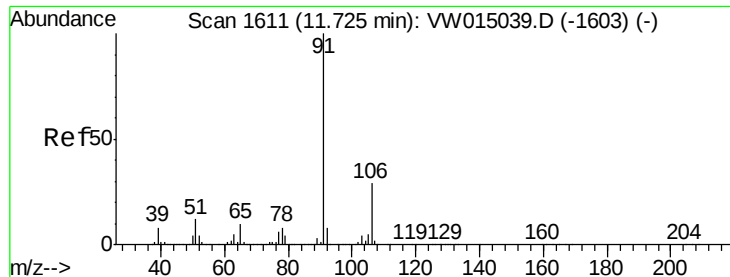
Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.6	61.9	114.9
188	2.5	2.5	3.7#



#52
 Chlorobenzene
 Concen: 26.460 ug/L
 RT: 11.65 min Scan# 1599
 Delta R.T. -0.00 min
 Lab File: VW015052.D
 Acq: 26 Feb 2020 19:47

Tgt Ion	Ratio	Lower	Upper
112	100		
77	70.6	57.0	85.6
114	32.2	22.5	41.9





#53

Ethylbenzene

Concen: 27.934 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.01 min

Lab File: VW015052.D

Acq: 26 Feb 2020 19:47

Instrument :

MSVOA_W

ClientSampleId :

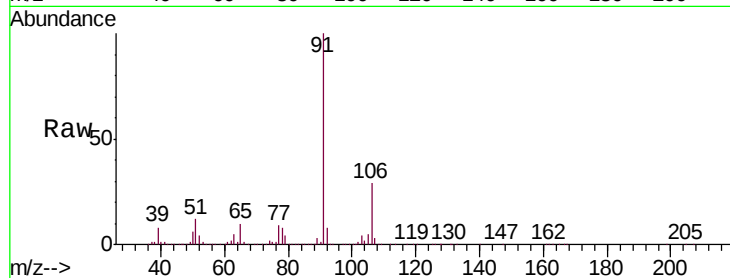
VSTD02530

Tgt Ion: 91 Resp: 1314819

Ion Ratio Lower Upper

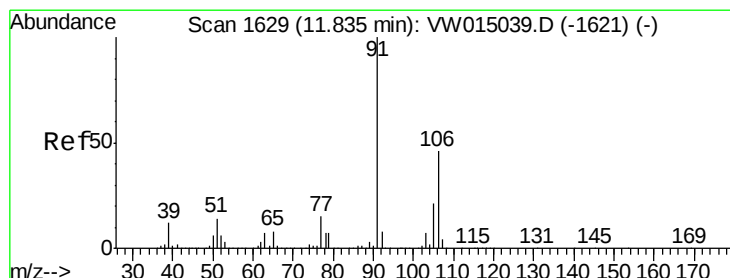
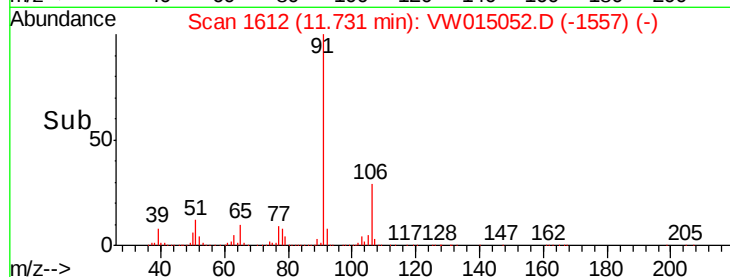
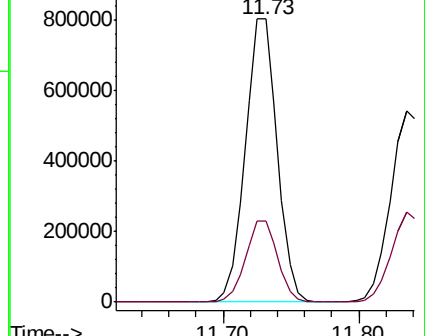
91 100

106 28.8 20.1 37.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 28.042 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VW015052.D

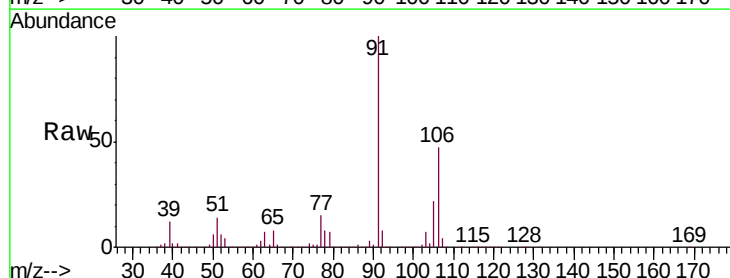
Acq: 26 Feb 2020 19:47

Tgt Ion: 106 Resp: 461813

Ion Ratio Lower Upper

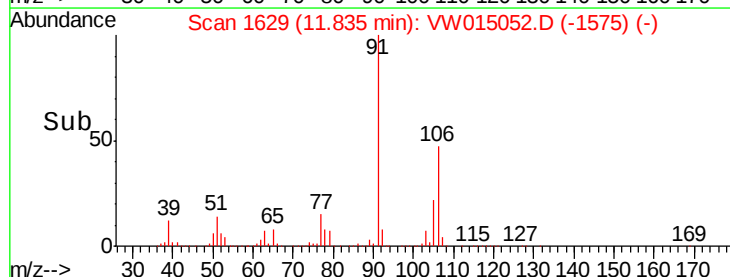
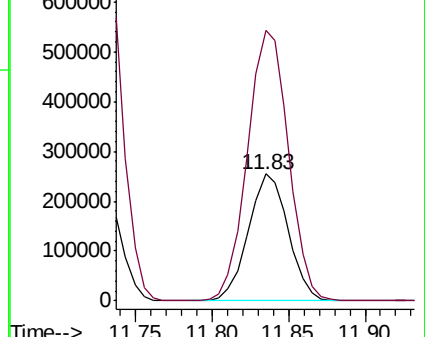
106 100

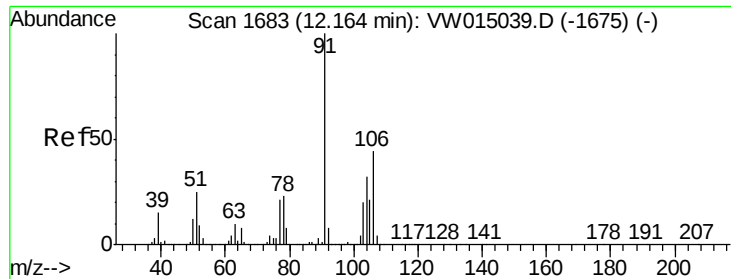
91 212.8 151.4 281.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#55

o-xylene

Concen: 28.374 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW015052.D

Acq: 26 Feb 2020 19:47

Instrument :

MSVOA_W

ClientSampled :

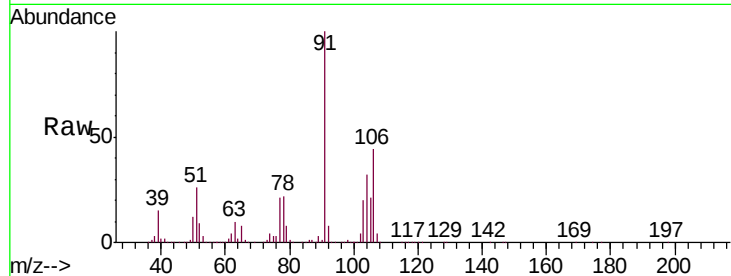
VSTD02530

Tgt Ion:106 Resp: 435384

Ion Ratio Lower Upper

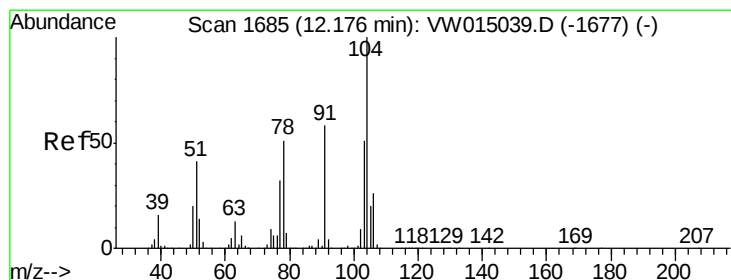
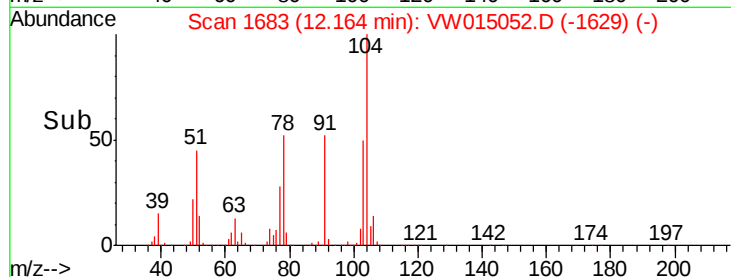
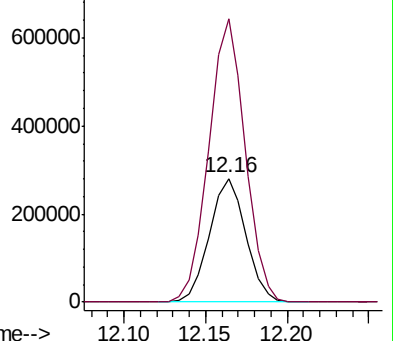
106 100

91 228.4 162.5 301.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 29.583 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VW015052.D

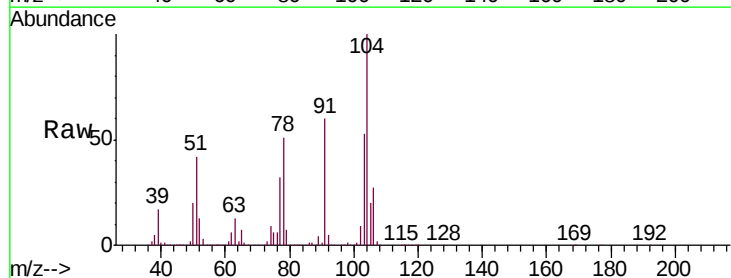
Acq: 26 Feb 2020 19:47

Tgt Ion:104 Resp: 777492

Ion Ratio Lower Upper

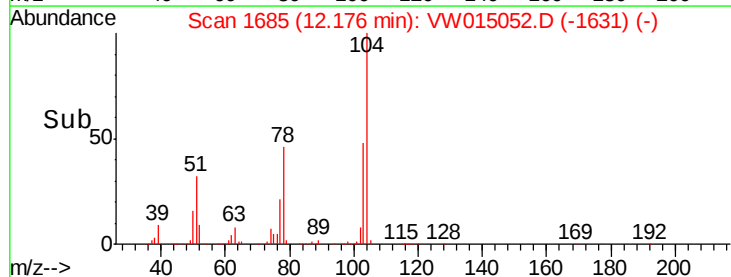
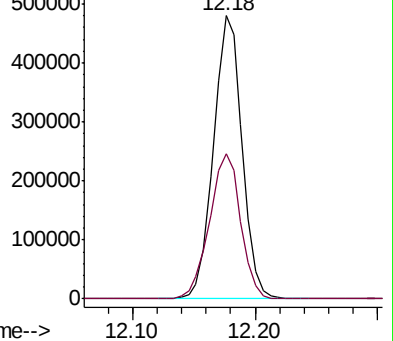
104 100

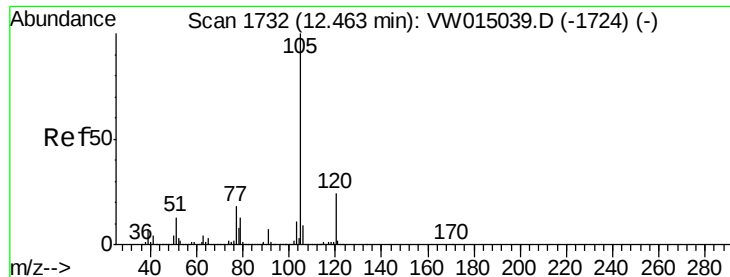
78 51.2 35.6 66.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 28.349 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW015052.D

Acq: 26 Feb 2020 19:47

Instrument :

MSVOA_W

ClientSampled :

VSTD02530

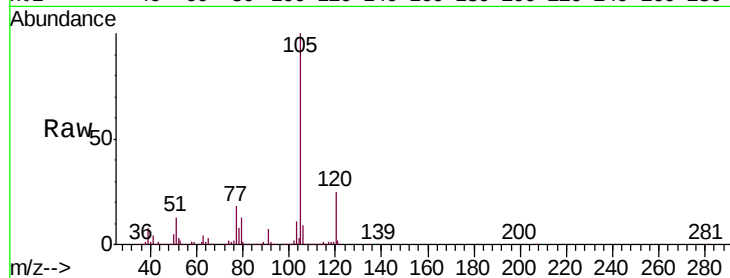
Tgt Ion:105 Resp: 1184668

Ion Ratio Lower Upper

105 100

120 25.0 19.8 29.8

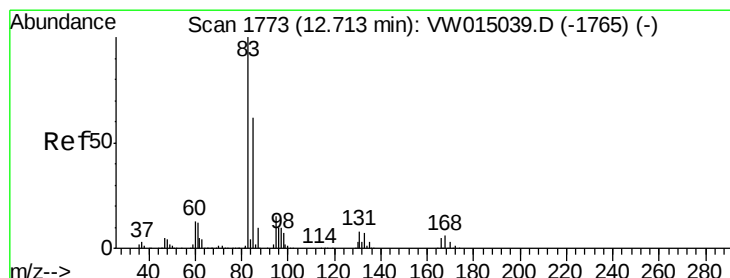
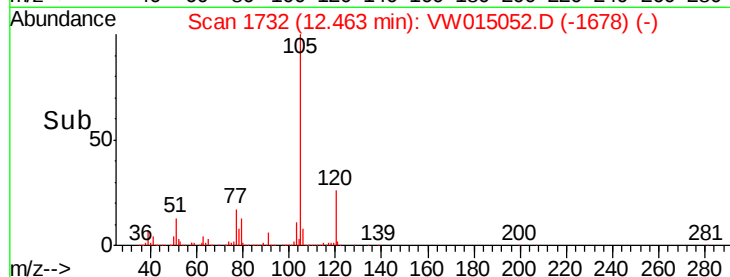
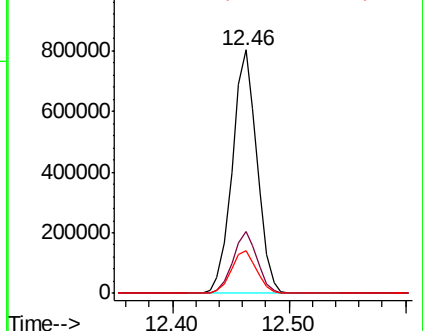
77 18.1 14.4 21.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 30.476 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW015052.D

Acq: 26 Feb 2020 19:47

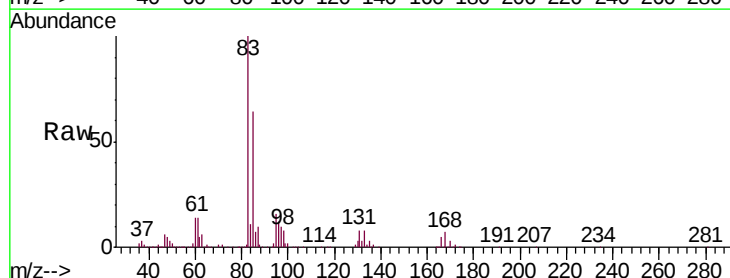
Tgt Ion: 83 Resp: 266628

Ion Ratio Lower Upper

83 100

85 64.0 44.2 82.0

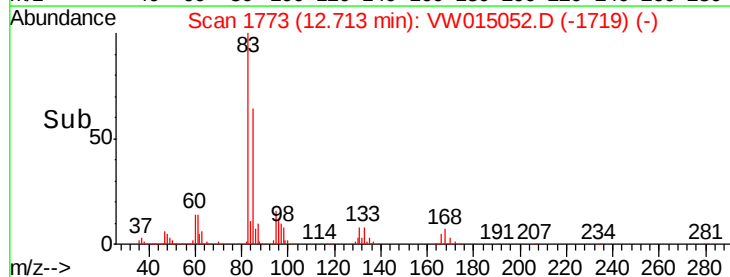
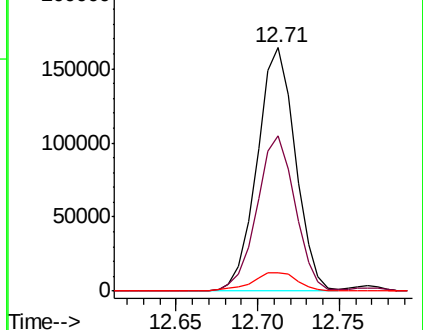
131 7.6 6.3 9.5

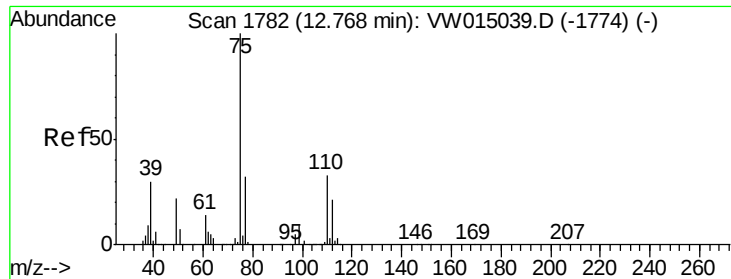


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 30.059 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW015052.D

Acq: 26 Feb 2020 19:47

Instrument :

MSVOA_W

ClientSampleId :

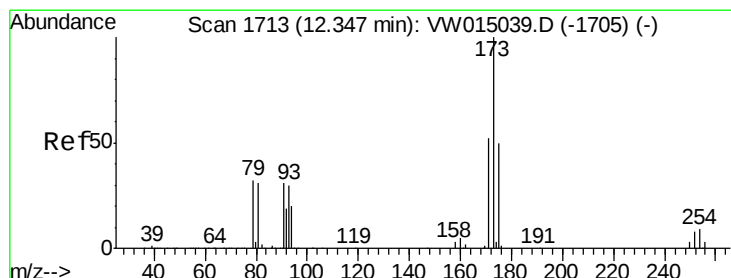
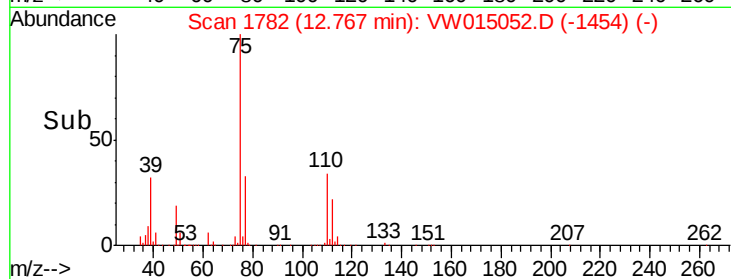
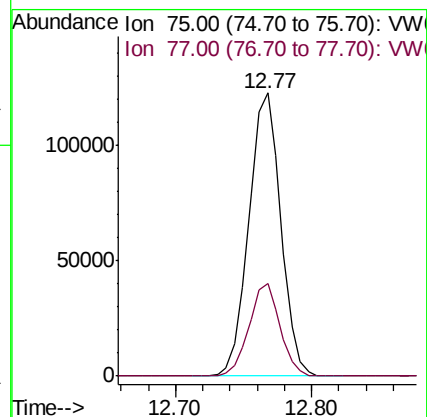
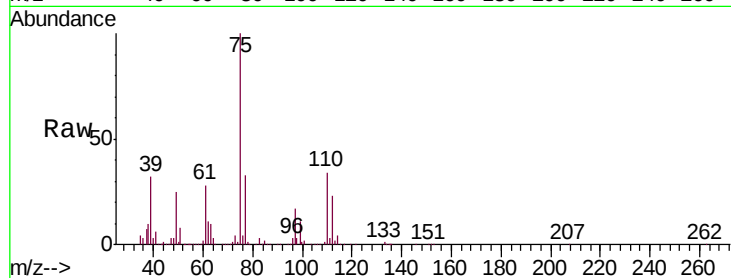
VSTD02530

Tgt Ion: 75 Resp: 202128

Ion Ratio Lower Upper

75 100

77 31.9 25.4 38.0



#62

Bromoform

Concen: 27.458 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW015052.D

Acq: 26 Feb 2020 19:47

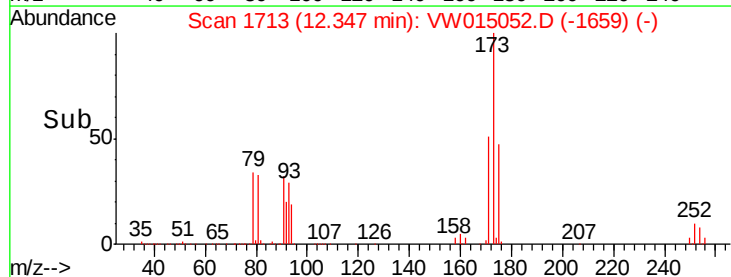
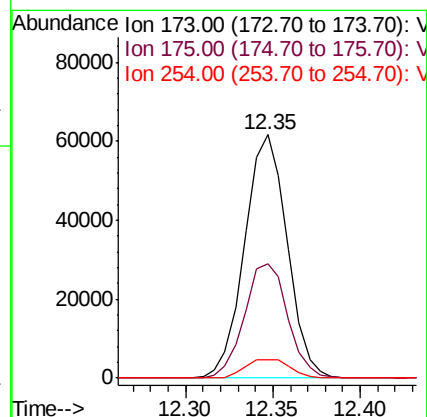
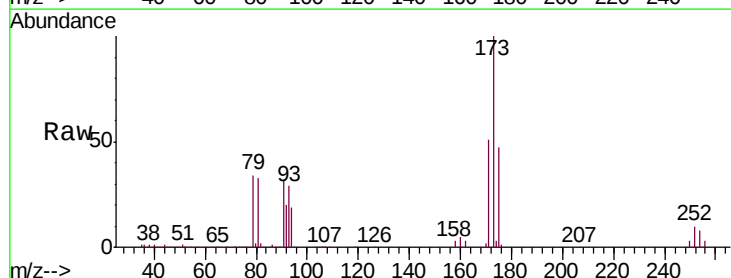
Tgt Ion: 173 Resp: 104945

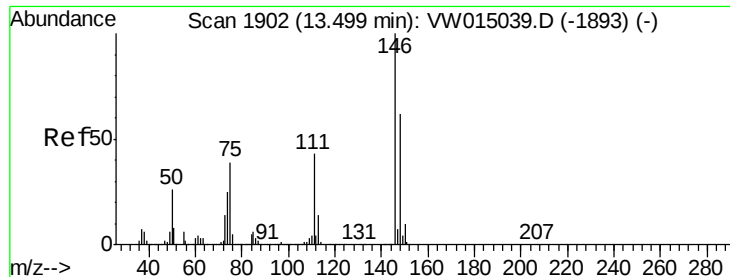
Ion Ratio Lower Upper

173 100

175 47.8 38.7 58.1

254 8.1 7.0 10.4

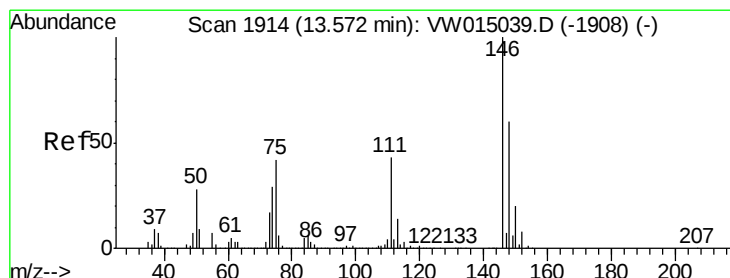
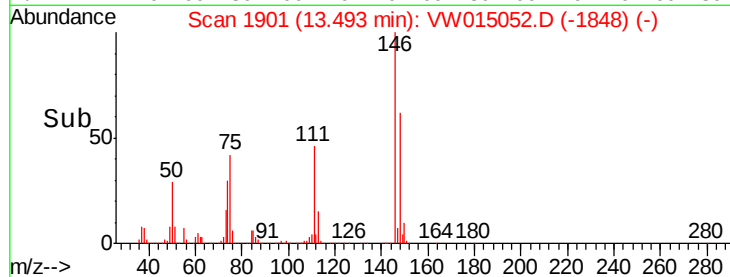
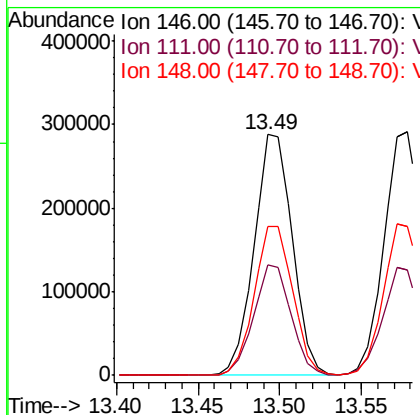
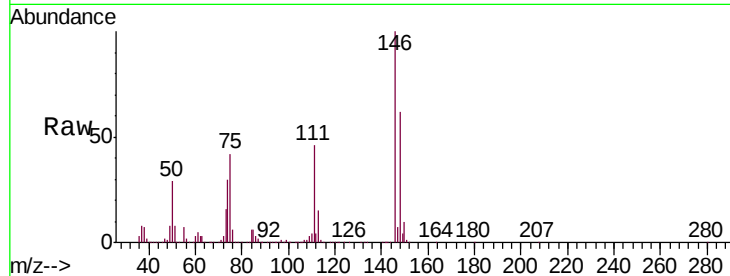




#63
 1,3-Dichlorobenzene
 Concen: 26.459 ug/L
 RT: 13.49 min Scan# 1901
 Delta R.T. -0.01 min
 Lab File: VW015052.D
 Acq: 26 Feb 2020 19:47

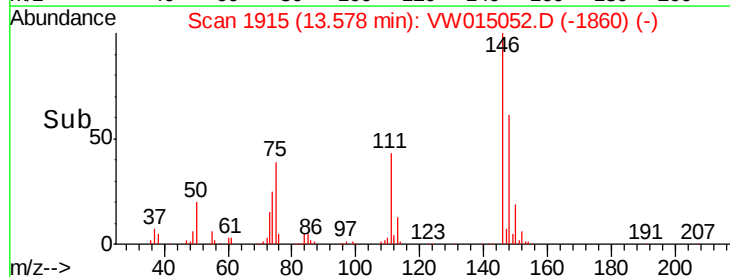
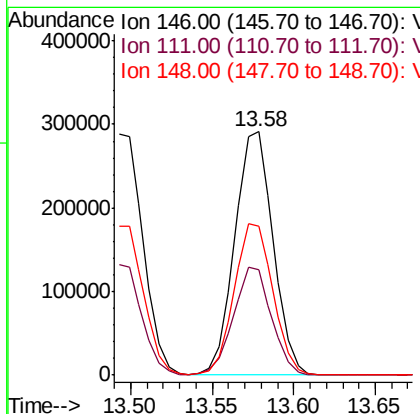
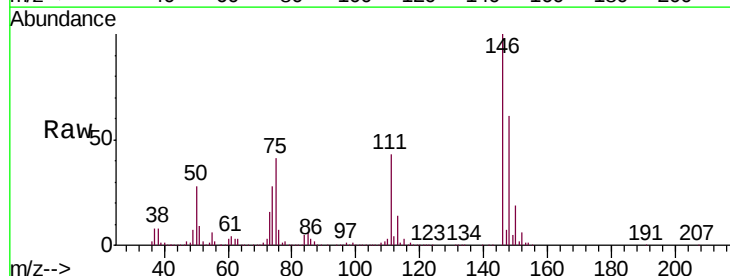
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

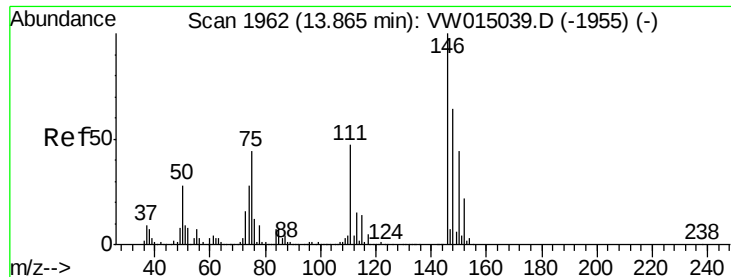
Tgt Ion:146 Resp: 469372
 Ion Ratio Lower Upper
 146 100
 111 46.2 30.9 57.3
 148 62.0 44.6 82.8



#64
 1,4-Dichlorobenzene
 Concen: 26.111 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.01 min
 Lab File: VW015052.D
 Acq: 26 Feb 2020 19:47

Tgt Ion:146 Resp: 476903
 Ion Ratio Lower Upper
 146 100
 111 43.3 29.9 55.5
 148 61.2 46.1 85.5





#65

1,2-Dichlorobenzene

Concen: 26.625 ug/L

RT: 13.86 min Scan# 1962

Delta R.T. -0.00 min

Lab File: VW015052.D

Acq: 26 Feb 2020 19:47

Instrument :

MSVOA_W

ClientSampleID :

VSTD02530

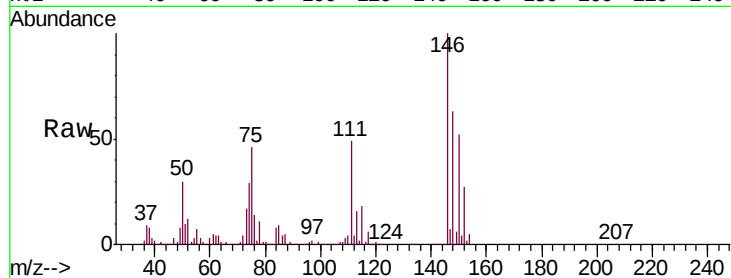
Tgt Ion:146 Resp: 427753

Ion Ratio Lower Upper

146 100

111 48.6 37.7 56.5

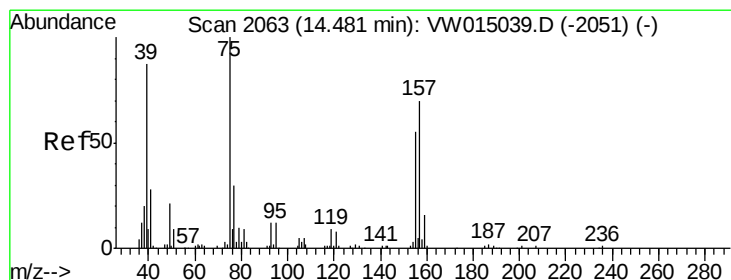
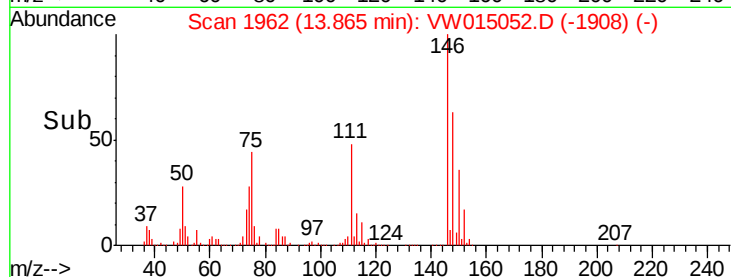
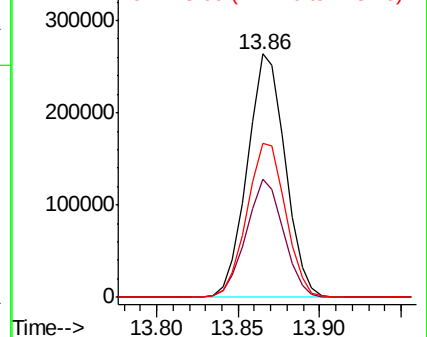
148 63.4 50.0 75.0



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: 29.386 ug/L

RT: 14.48 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VW015052.D

Acq: 26 Feb 2020 19:47

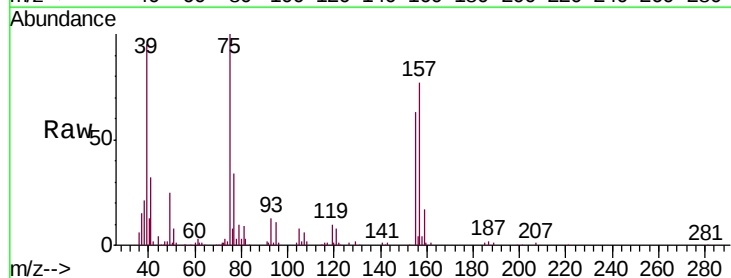
Tgt Ion: 75 Resp: 41680

Ion Ratio Lower Upper

75 100

157 77.4 61.4 92.0

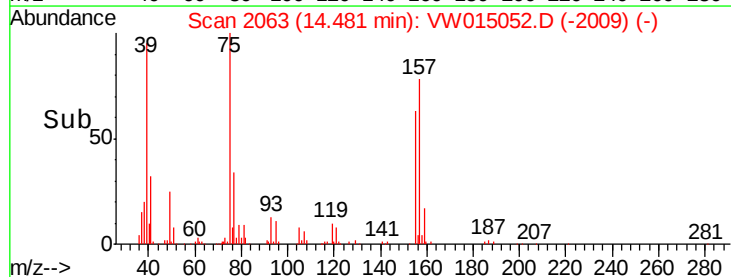
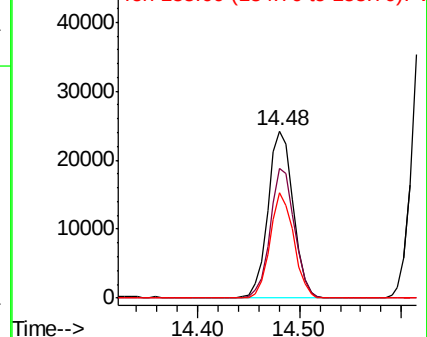
155 63.1 45.0 67.6

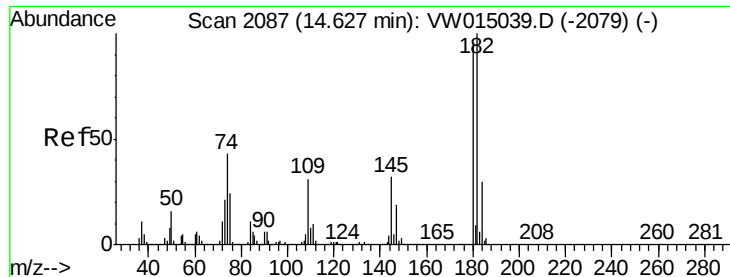


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

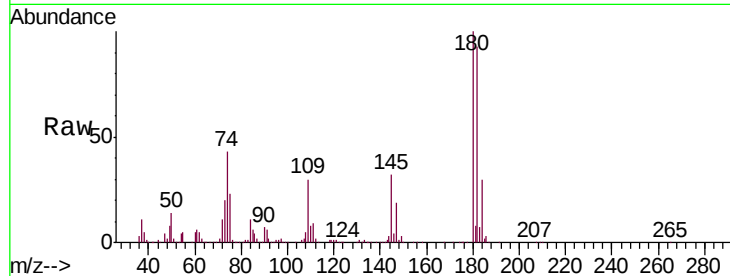




#67
 1,3,5-Trichlorobenzene
 Concen: 26.298 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW015052.D
 Acq: 26 Feb 2020 19:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	75.4	113.0
184	30.3	23.9	35.9
145	32.3	25.4	38.2



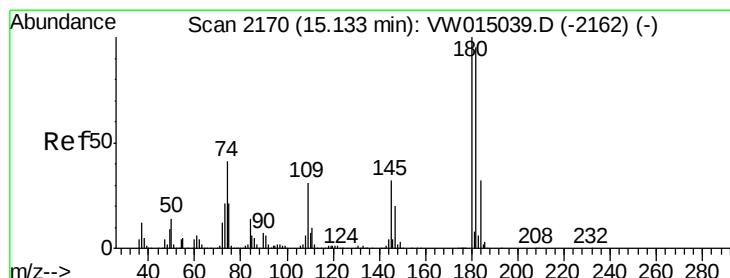
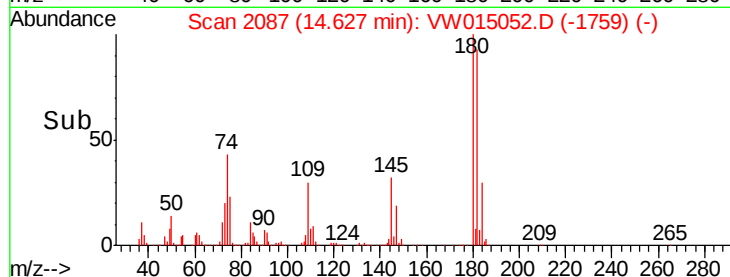
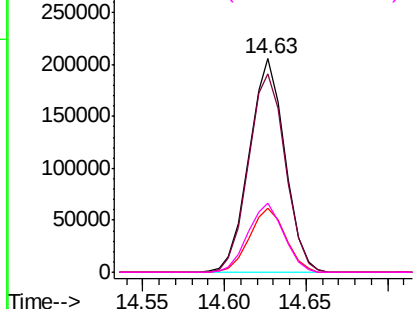
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

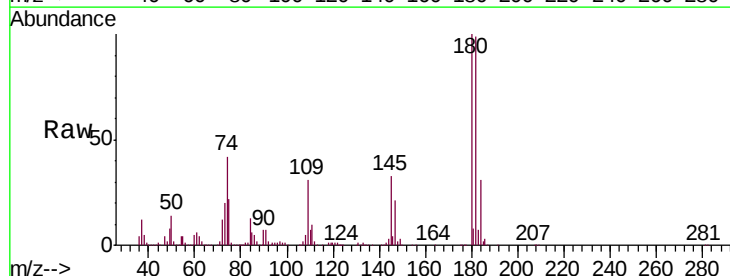
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 26.669 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW015052.D
 Acq: 26 Feb 2020 19:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.7	75.7	113.5
145	32.9	25.9	38.9

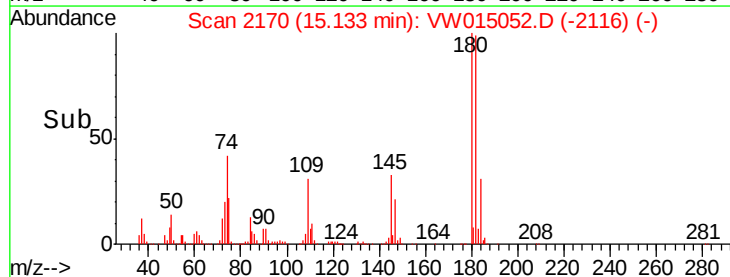
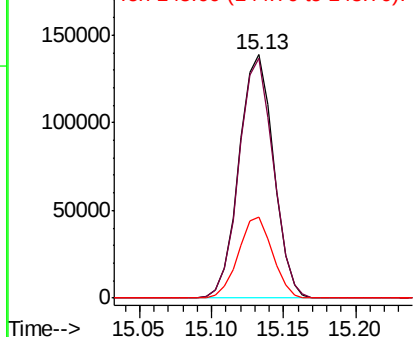


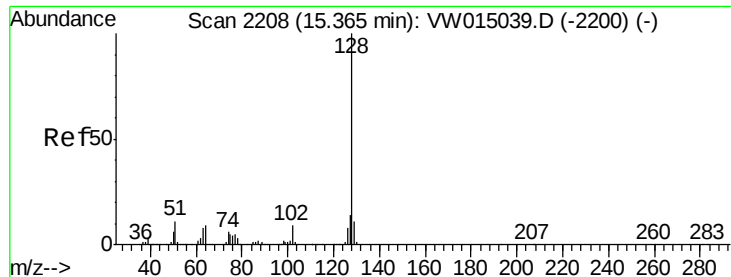
Abundance

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: 28.543 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW015052.D

Acq: 26 Feb 2020 19:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD02530

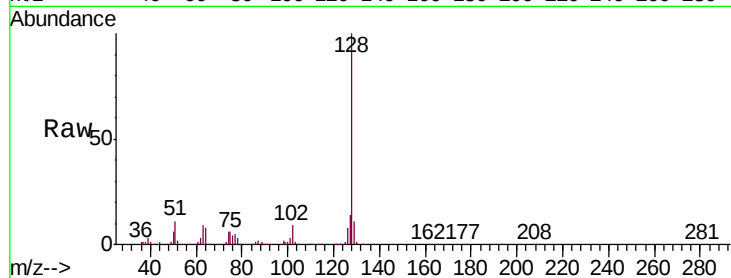
Tgt Ion:128 Resp: 220301

Ion Ratio Lower Upper

128 100

129 10.7 8.9 13.3

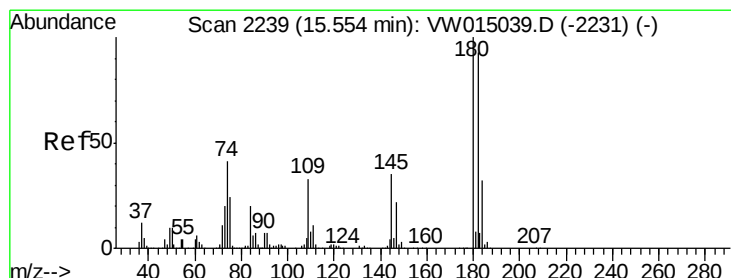
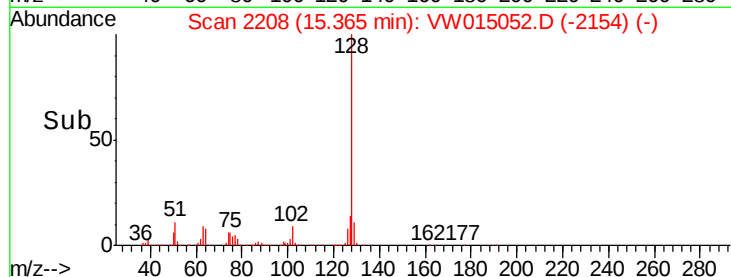
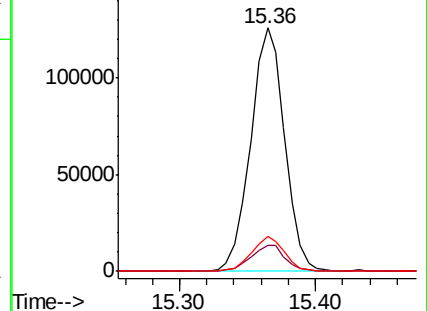
127 13.7 11.1 16.7



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: 28.376 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW015052.D

Acq: 26 Feb 2020 19:47

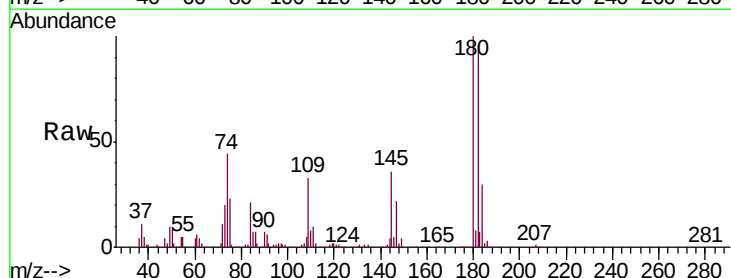
Tgt Ion:180 Resp: 221432

Ion Ratio Lower Upper

180 100

182 93.9 75.8 113.6

145 34.9 27.1 40.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

