

Data File : VW015039.D
Acq On : 26 Feb 2020 10:49
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02529

Quant Time: Feb 27 01:54:52 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM022420S.M
Quant Title : VOC Analysis
QLast Update : Wed Feb 26 13:38:21 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	699366	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	646785	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	287590	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	366217	20.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.72%
7) Chloroethane-d5	2.89	69	273001	21.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.60%
10) 1,1-Dichloroethene-d2	4.03	63	613009	22.52	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.08%
20) 2-Butanone-d5	7.07	46	121934	41.70	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.40%
24) Chloroform-d	7.65	84	516662	22.49	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.96%
26) 1,2-Dichloroethane-d4	8.30	65	281464	21.89	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	87.56%
29) Benzene-d6	8.27	84	1016172	22.86	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.44%
33) 1,2-Dichloropropane-d6	9.27	67	332629	22.36	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.44%
37) Toluene-d8	10.32	98	872566	23.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.16%
38) trans-1,3-Dichloropropene-	10.57	79	120700	21.95	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.80%
39) 2-Hexanone-d5	10.92	63	87234	44.28	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.56%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	212339	22.09	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	88.36%
61) 1,2-Dichlorobenzene-d4	13.85	152	228052	21.64	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	86.56%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	157817	26.446	ug/L	97
3) Chloromethane	2.21	50	314523	22.992	ug/L	99
5) Vinyl chloride	2.37	62	426189	24.079	ug/L	98
6) Bromomethane	2.78	94	189568	23.858	ug/L	97
8) Chloroethane	2.93	64	237380	24.648	ug/L	95
9) Trichlorofluoromethane	3.26	101	192275	24.105	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	280718	25.552	ug/L	99
12) 1,1-Dichloroethene	4.04	96	261413	24.993	ug/L	81
13) Acetone	4.12	43	158490	45.827	ug/L	99
14) Carbon disulfide	4.39	76	966146	24.684	ug/L	99
15) Methyl Acetate	4.67	43	138613	23.803	ug/L	99
16) Methylene chloride	4.92	84	294627	22.760	ug/L	97
17) Methyl tert-butyl Ether	5.42	73	296832	23.446	ug/L	98
18) trans-1,2-Dichloroethene	5.42	96	268607	24.856	ug/L	96
19) 1,1-Dichloroethane	6.21	63	606019	25.144	ug/L	99
21) 2-Butanone	7.17	43	186381	45.830	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	273921	24.908	ug/L	100

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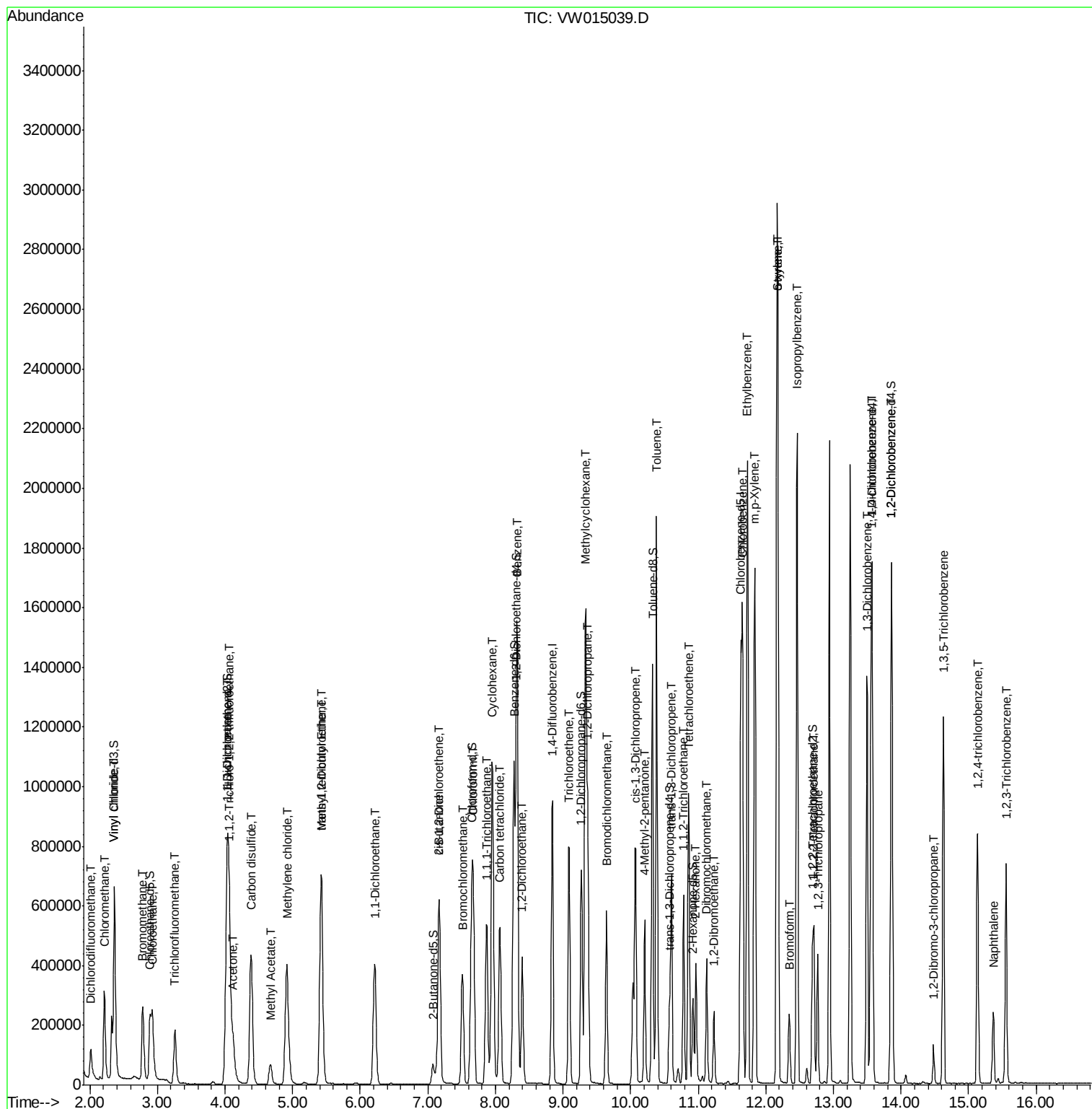
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	105108	24.569	ug/L	94
25) Chloroform	7.67	83	543451	24.846	ug/L	99
27) 1,2-Dichloroethane	8.40	62	372200	24.871	ug/L	99
30) Cyclohexane	7.95	56	589527	27.262	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	419693	25.161	ug/L	99
32) Carbon tetrachloride	8.07	117	383800	25.677	ug/L	99
34) Benzene	8.32	78	1268892	26.373	ug/L	100
35) Trichloroethene	9.09	95	291055	25.008	ug/L	99
36) Methylcyclohexane	9.34	83	547637	27.402	ug/L	100
40) 1,2-Dichloropropane	9.37	63	347162	25.980	ug/L	100
41) Bromodichloromethane	9.64	83	375562	25.056	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	443684	25.481	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	374946	50.167	ug/L	98
44) Toluene	10.38	91	1261496	26.997	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	353080	25.088	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	186708	24.829	ug/L	98
47) Tetrachloroethene	10.86	164	188955	25.191	ug/L	96
49) 2-Hexanone	10.96	43	274715	50.700	ug/L	99
50) Dibromochloromethane	11.12	129	200627	25.070	ug/L	95
51) 1,2-Dibromoethane	11.23	107	161938	24.710	ug/L	97
52) Chlorobenzene	11.65	112	685185	24.930	ug/L	99
53) Ethylbenzene	11.73	91	1372699	26.892	ug/L	100
54) m,p-Xylene	11.83	106	488665	27.362	ug/L	100
55) o-xylene	12.16	106	452997	27.222	ug/L	96
56) Styrene	12.18	104	791552	27.772	ug/L	99
57) Isopropylbenzene	12.46	105	1247497	27.527	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	234507	24.717	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	176415	24.192	ug/L	100
62) Bromoform	12.35	173	94431	23.361	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	474830	25.309	ug/L	98
64) 1,4-Dichlorobenzene	13.57	146	486497	25.185	ug/L	95
65) 1,2-Dichlorobenzene	13.87	146	425800	25.060	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.48	75	35113	23.407	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	315516	25.078	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	229495	24.959	ug/L	99
69) Naphthalene	15.36	128	188293	23.067	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	210215	25.471	ug/L	98

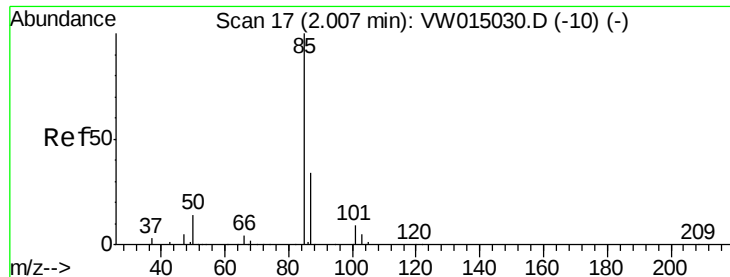
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 26.446 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW015039.D

Acq: 26 Feb 2020 10:49

Instrument :

MSVOA_W

ClientSampleId :

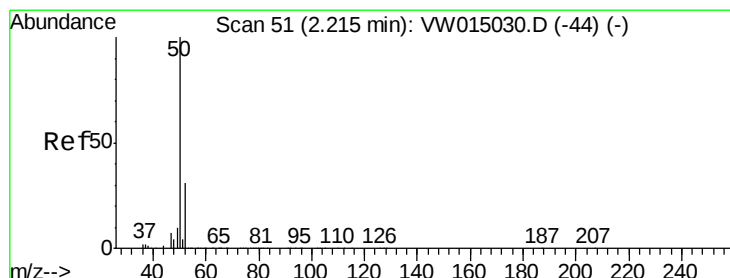
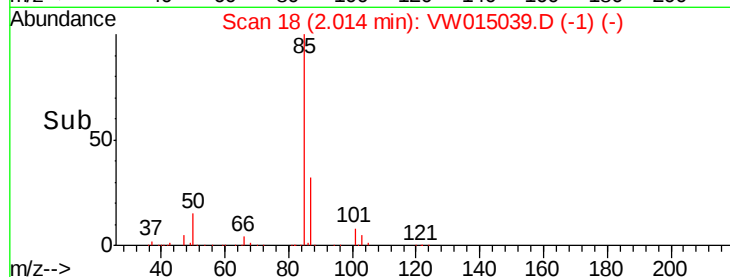
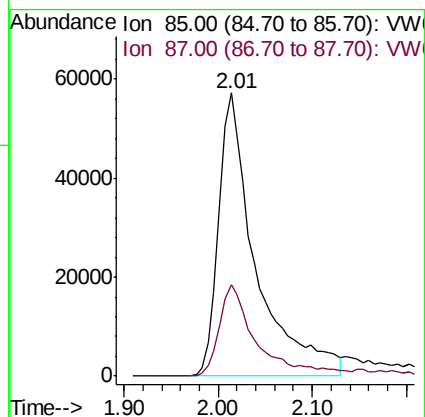
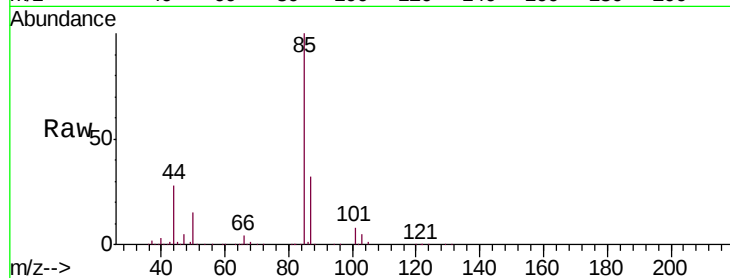
VSTD02529

Tgt Ion: 85 Resp: 157817

Ion Ratio Lower Upper

85 100

87 29.9 22.0 41.0



#3

Chloromethane

Concen: 22.992 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015039.D

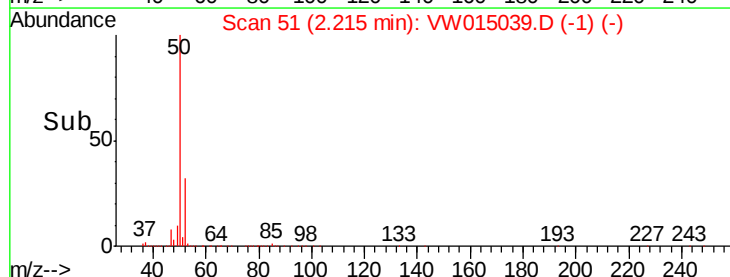
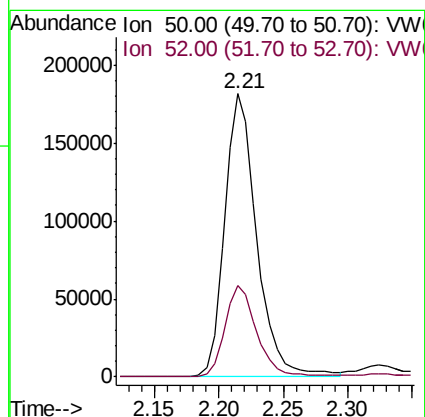
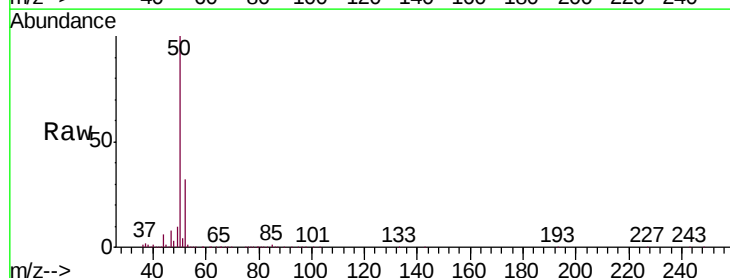
Acq: 26 Feb 2020 10:49

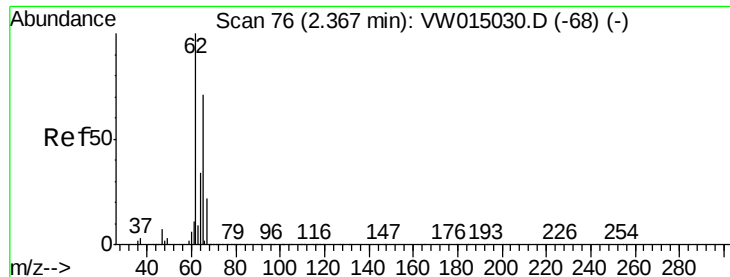
Tgt Ion: 50 Resp: 314523

Ion Ratio Lower Upper

50 100

52 32.2 22.3 41.5





#5

Vinyl chloride

Concen: 24.079 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW015039.D

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Instrument :

MSVOA_W

ClientSampleId :

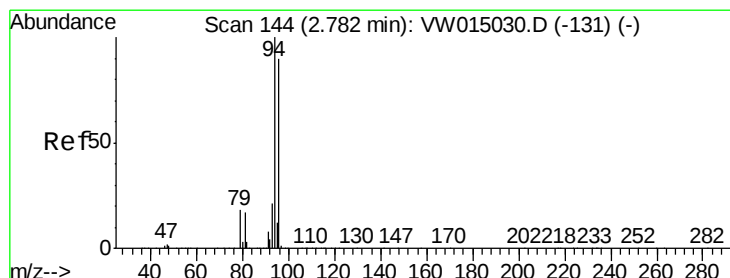
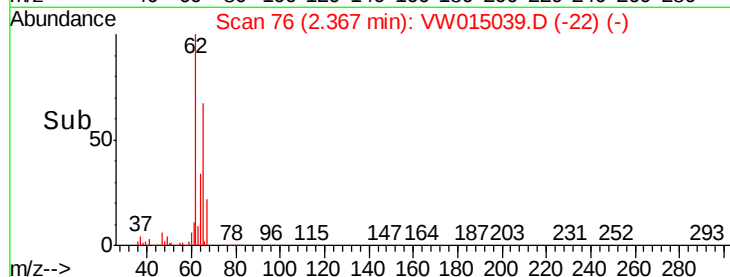
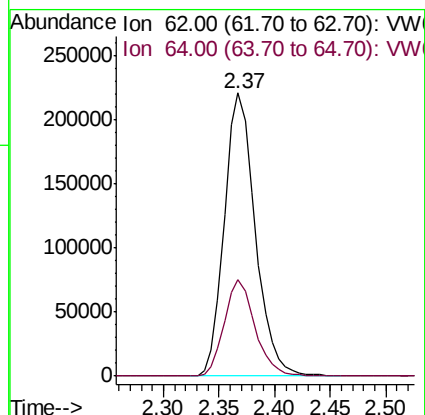
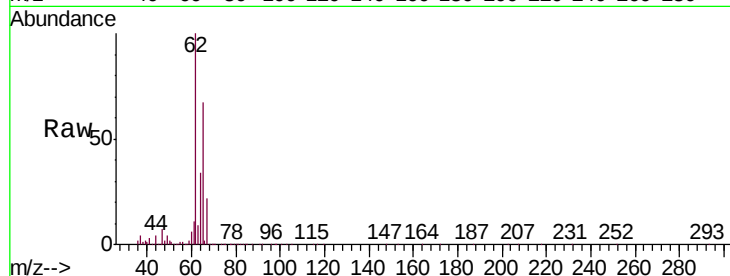
VSTD02529

Tgt Ion: 62 Resp: 426189

Ion Ratio Lower Upper

62 100

64 34.0 23.0 42.8



#6

Bromomethane

Concen: 23.858 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW015039.D

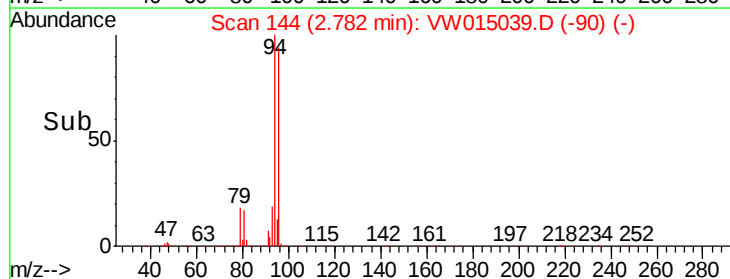
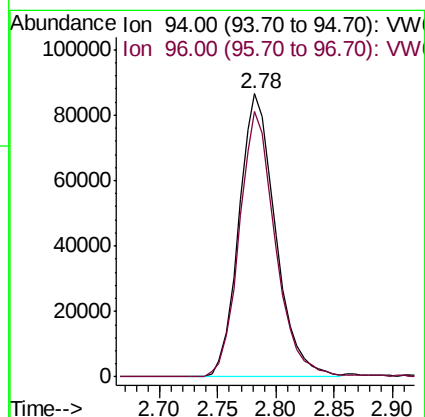
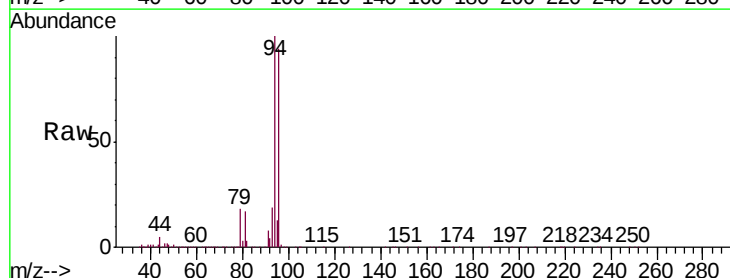
Acq: 26 Feb 2020 10:49

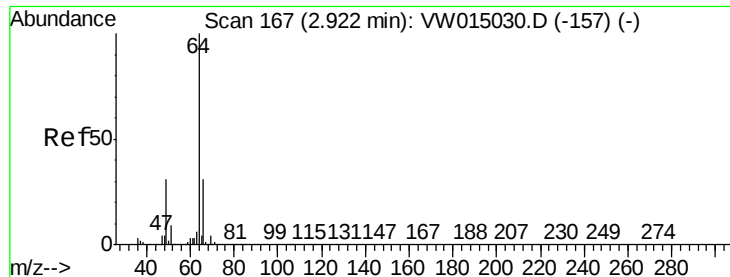
Tgt Ion: 94 Resp: 189568

Ion Ratio Lower Upper

94 100

96 92.0 9.5 179.7

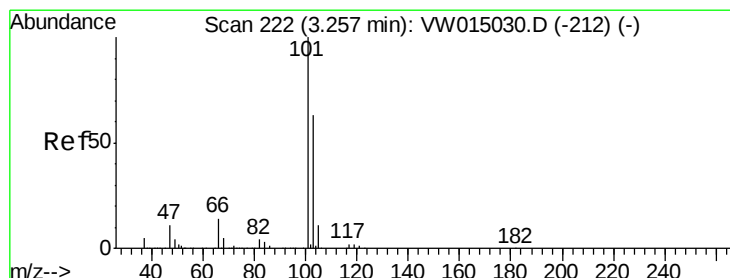
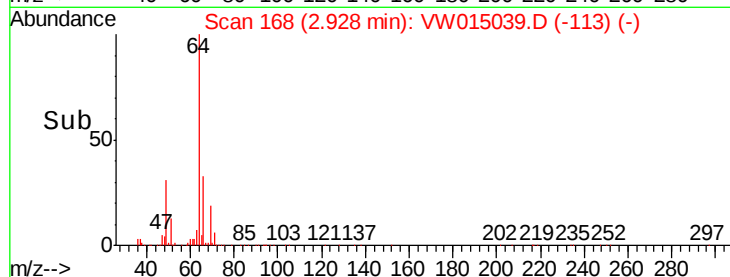
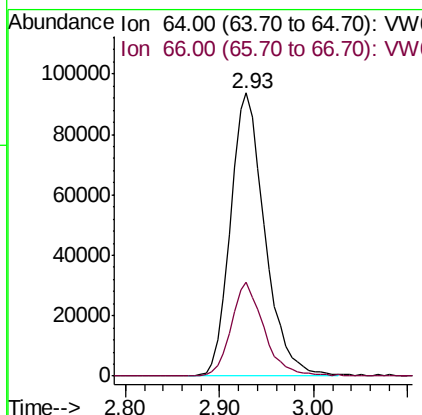
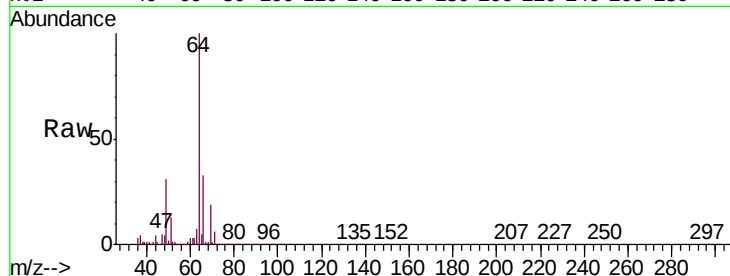




#8
Chloroethane
Concen: 24.648 ug/L
RT: 2.93 min Scan# 168
Delta R.T. 0.01 min
Lab File: VW015039.D
Acq: 26 Feb 2020 10:49

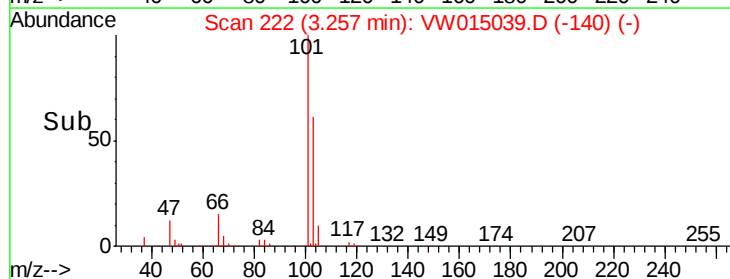
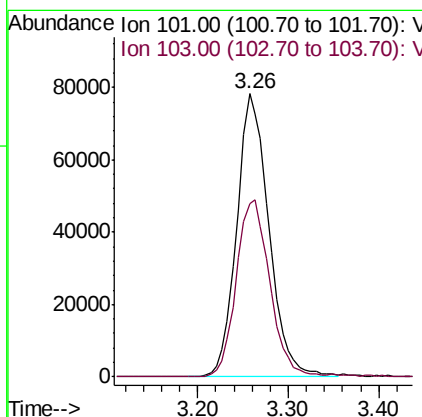
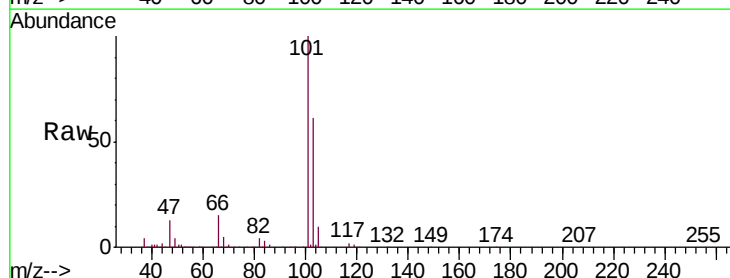
Instrument :
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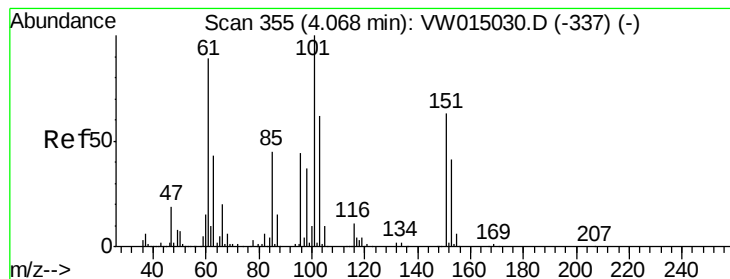
Tgt Ion: 64 Resp: 237380
Ion Ratio Lower Upper
64 100
66 33.0 21.2 39.4



#9
Trichlorofluoromethane
Concen: 24.105 ug/L
RT: 3.26 min Scan# 222
Delta R.T. 0.00 min
Lab File: VW015039.D
Acq: 26 Feb 2020 10:49

Tgt Ion: 101 Resp: 192275
Ion Ratio Lower Upper
101 100
103 65.3 44.9 83.5





#11

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

Concen: 25.552 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW015039.D

Acq: 26 Feb 2020 10:49

Instrument :

MSVOA_W

ClientSampleId :

VSTD02529

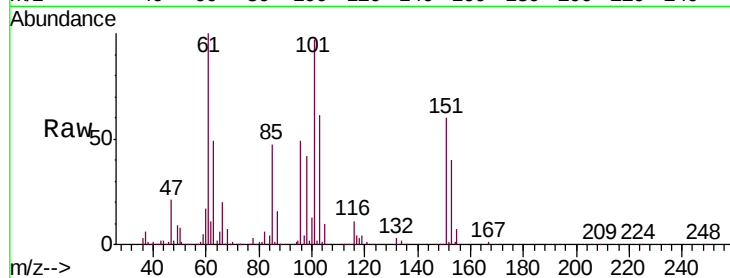
Tgt Ion:101 Resp: 280718

Ion Ratio Lower Upper

101 100

85 46.5 37.8 56.8

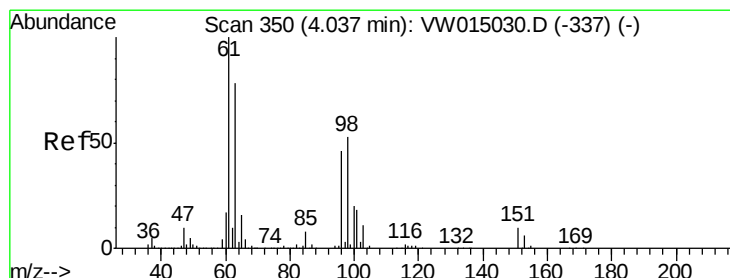
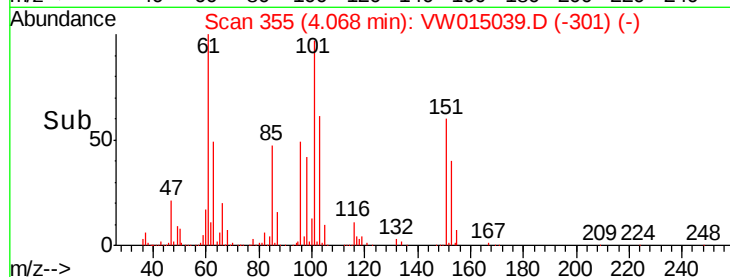
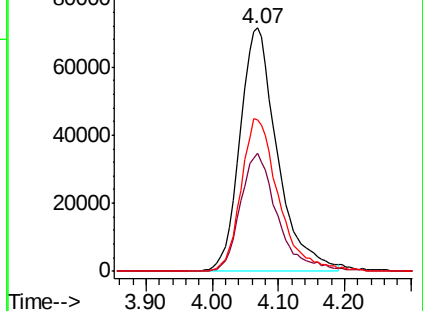
151 62.4 50.3 75.5



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: 24.993 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

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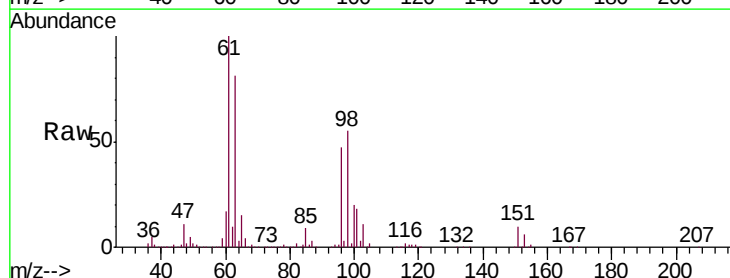
Tgt Ion: 96 Resp: 261413

Ion Ratio Lower Upper

96 100

61 212.8 138.5 257.1

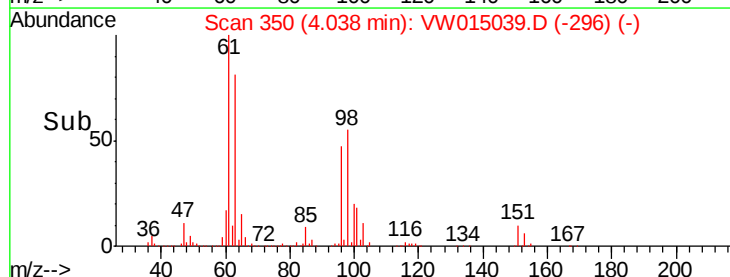
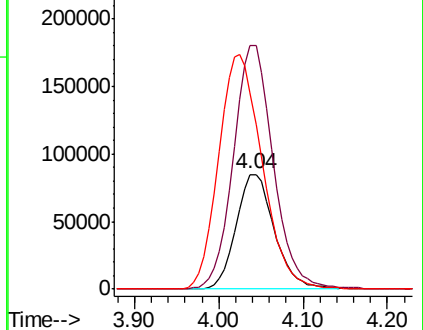
63 171.4 93.4 173.6

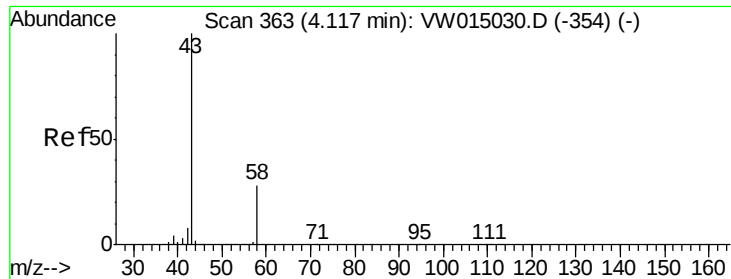


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 45.827 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

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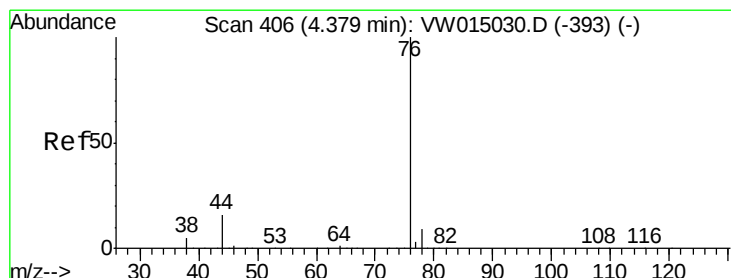
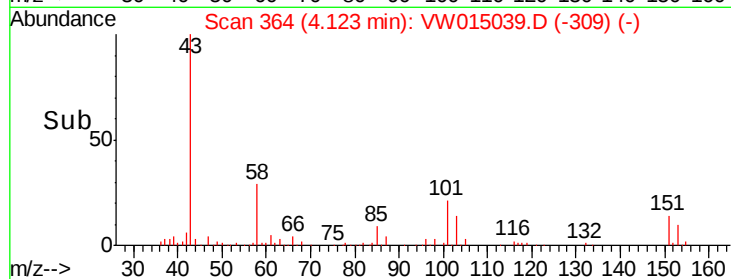
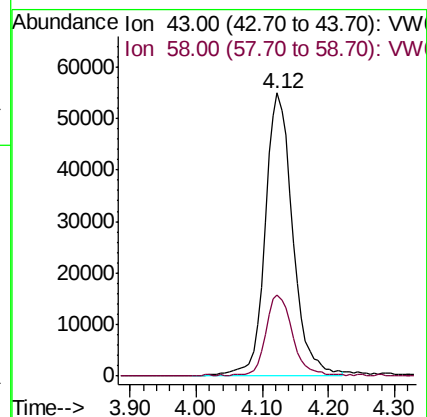
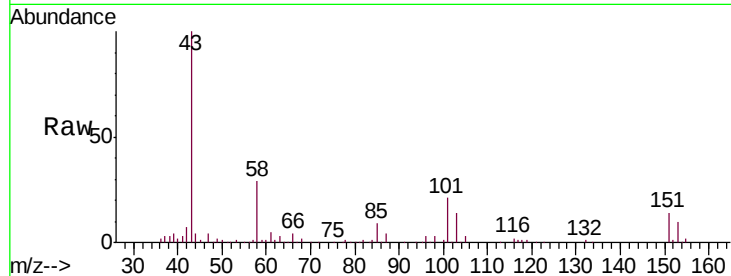
VSTD02529

Tgt Ion: 43 Resp: 158490

Ion Ratio Lower Upper

43 100

58 27.5 0.0 54.0



#14

Carbon disulfide

Concen: 24.684 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW015039.D

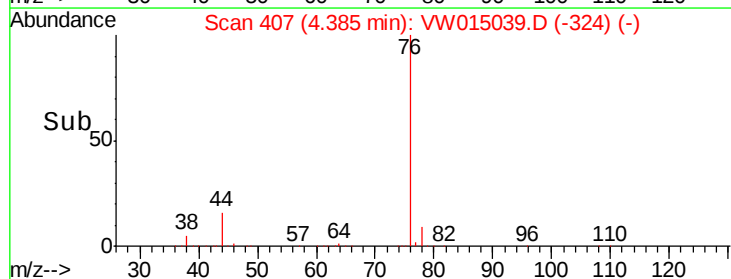
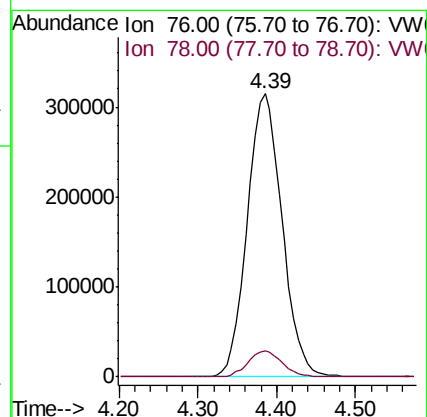
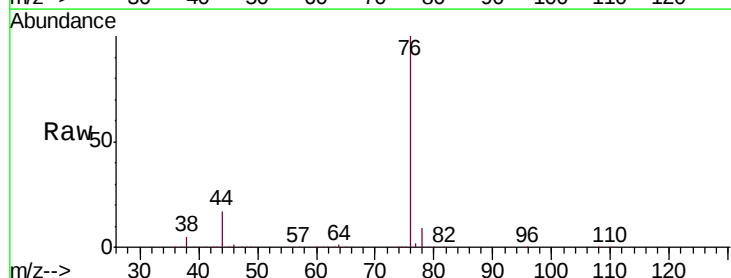
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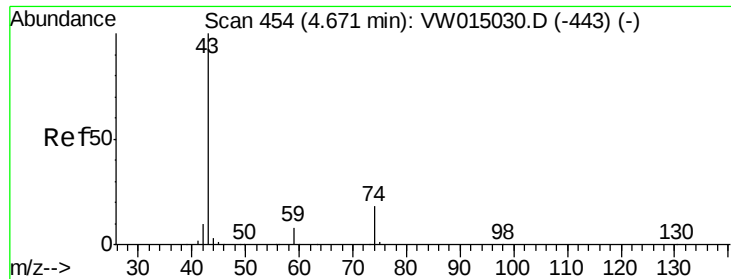
Tgt Ion: 76 Resp: 966146

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8





#15

Methyl Acetate

Concen: 23.803 ug/L

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW015039.D

Acq: 26 Feb 2020 10:49

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MSVOA_W

ClientSampleId :

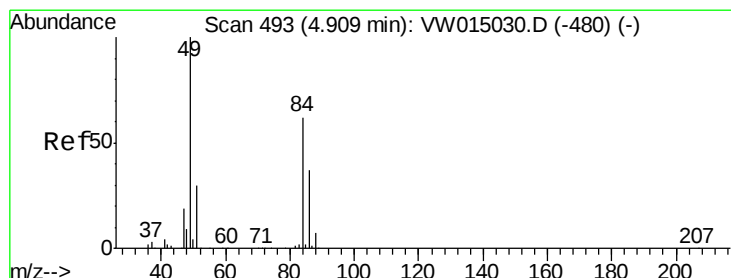
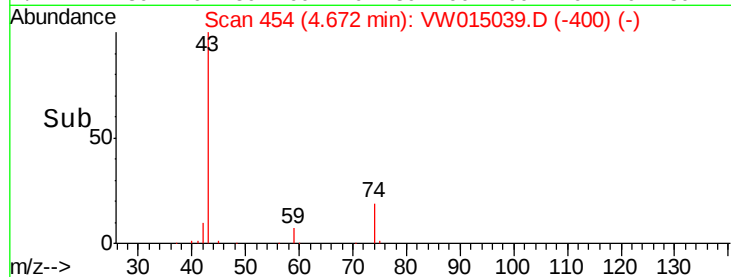
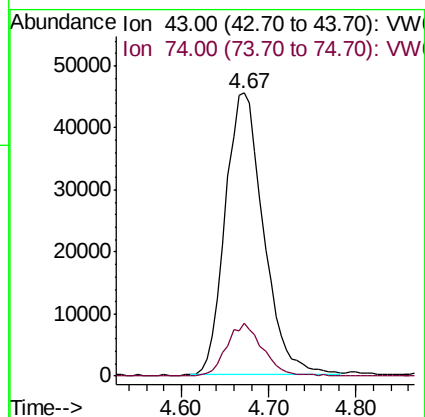
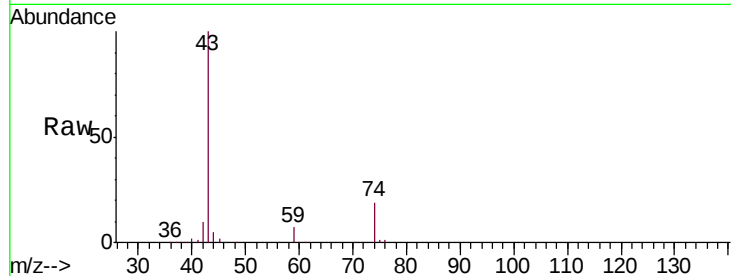
VSTD02529

Tgt Ion: 43 Resp: 138613

Ion Ratio Lower Upper

43 100

74 17.4 14.5 21.7



#16

Methylene chloride

Concen: 22.760 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW015039.D

Acq: 26 Feb 2020 10:49

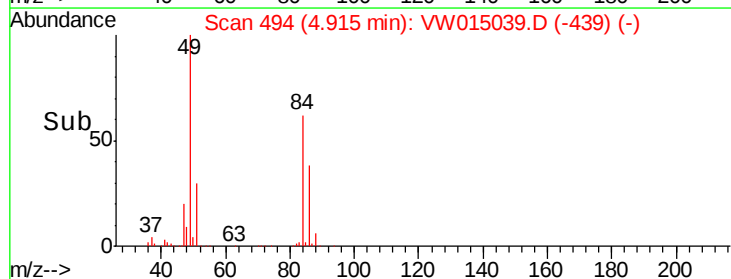
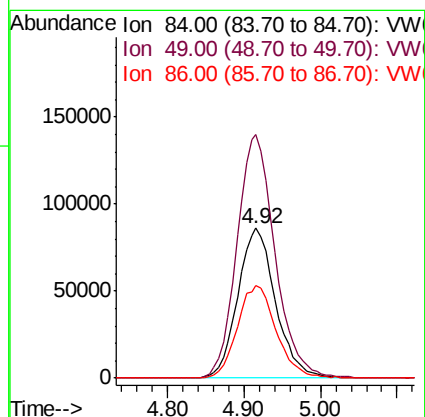
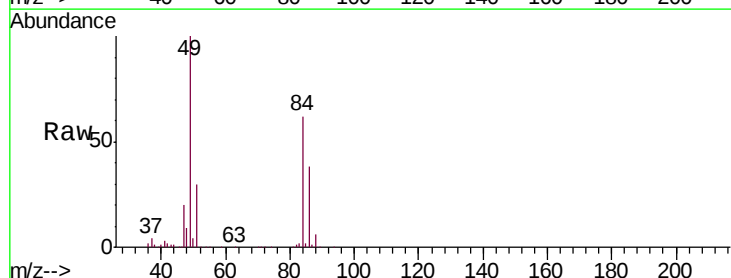
Tgt Ion: 84 Resp: 294627

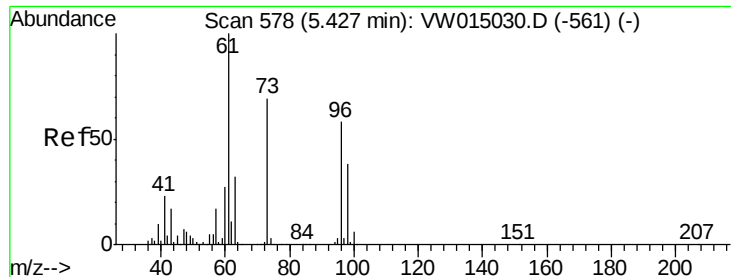
Ion Ratio Lower Upper

84 100

49 162.4 115.6 214.8

86 61.8 45.9 85.3

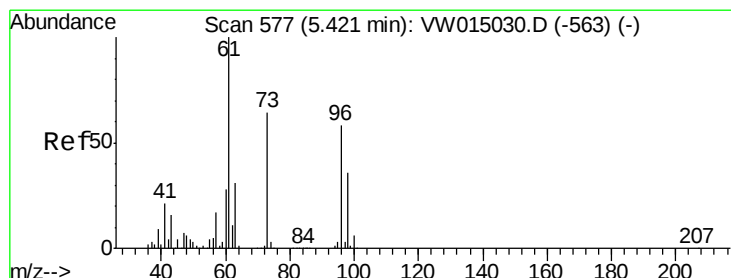
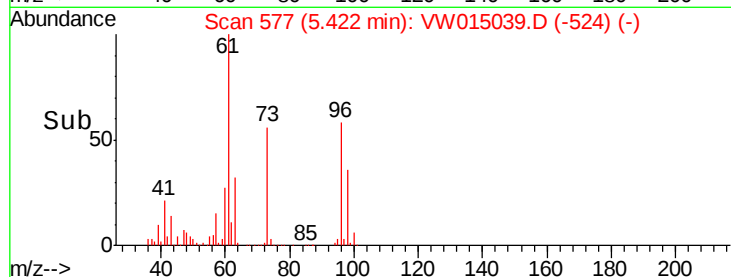
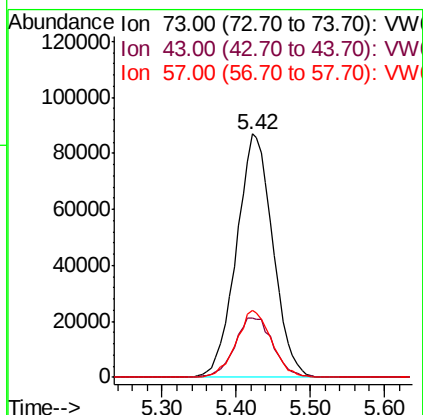
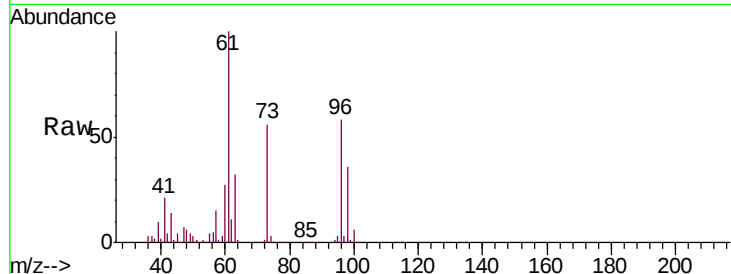




#17
Methyl tert-butyl Ether
Concen: 23.446 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW015039.D
Acq: 26 Feb 2020 10:49

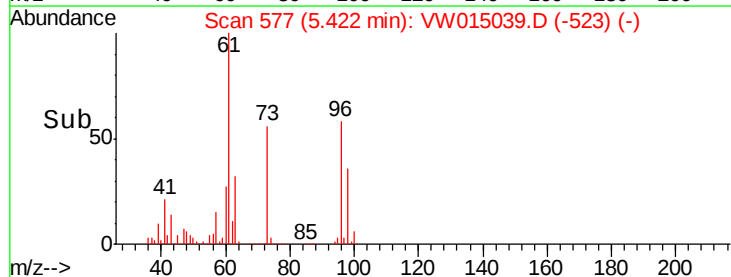
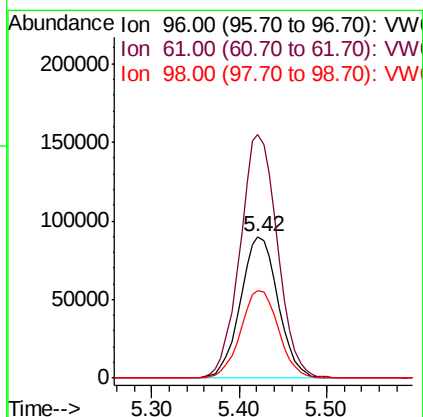
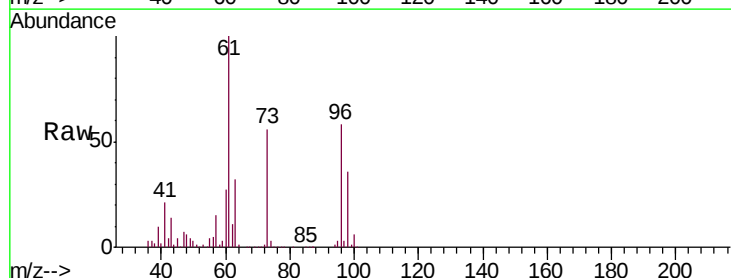
Instrument :
MSVOA_W
ClientSampled :
VSTD02529

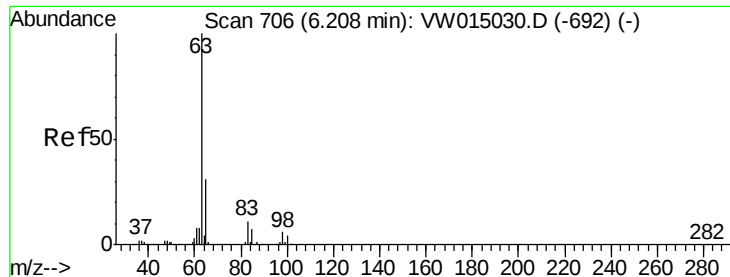
Tgt Ion: 73 Resp: 296832
Ion Ratio Lower Upper
73 100
43 25.6 19.7 29.5
57 26.7 20.4 30.6



#18
trans-1,2-Dichloroethene
Concen: 24.856 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW015039.D
Acq: 26 Feb 2020 10:49

Tgt Ion: 96 Resp: 268607
Ion Ratio Lower Upper
96 100
61 171.7 115.1 213.8
98 61.3 44.0 81.6





#19

1,1-Dichloroethane

Concen: 25.144 ug/L

RT: 6.21 min Scan# 707

Delta R.T. 0.01 min

Lab File: VW015039.D

Acq: 26 Feb 2020 10:49

Instrument :

MSVOA_W

ClientSampled :

VSTD02529

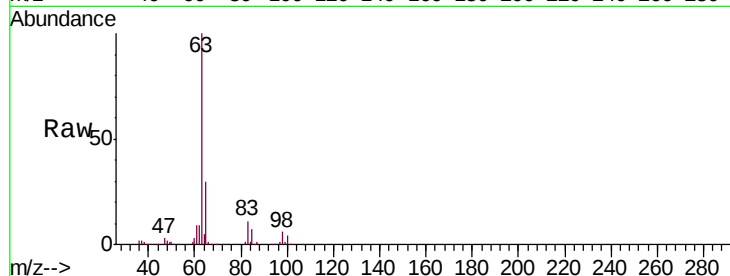
Tgt Ion: 63 Resp: 606019

Ion Ratio Lower Upper

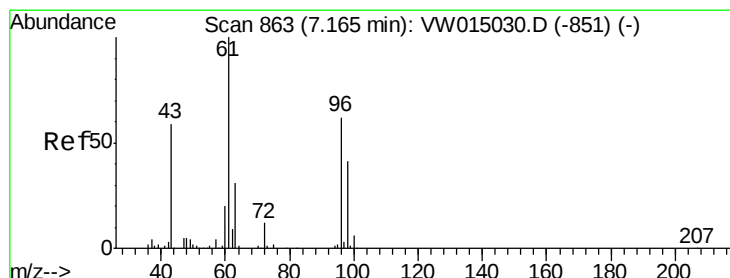
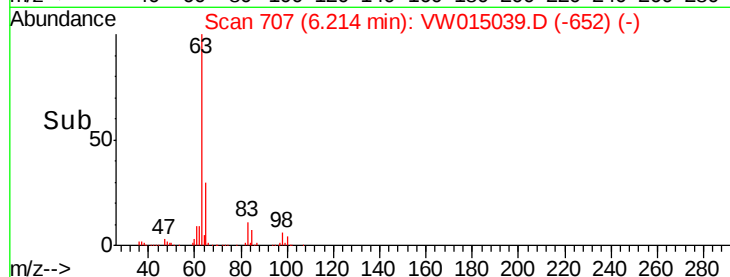
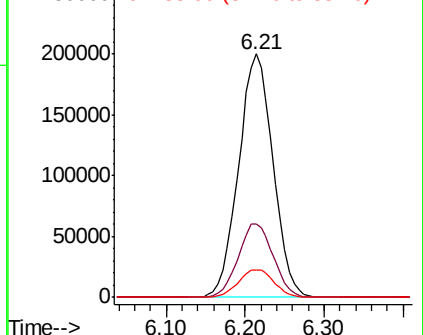
63 100

65 30.3 21.9 40.7

83 11.3 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: 45.830 ug/L

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW015039.D

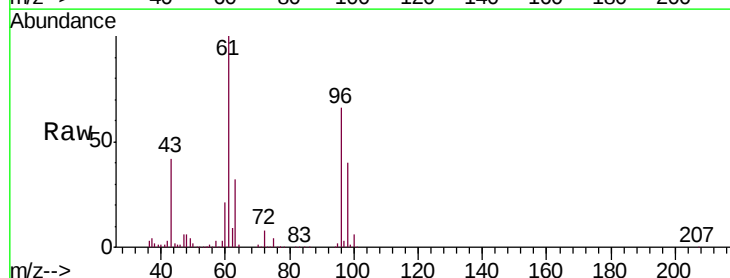
Acq: 26 Feb 2020 10:49

Tgt Ion: 43 Resp: 186381

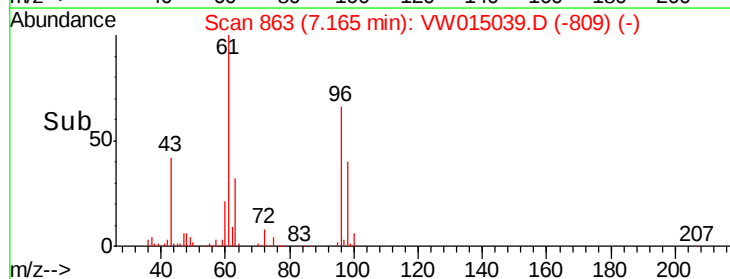
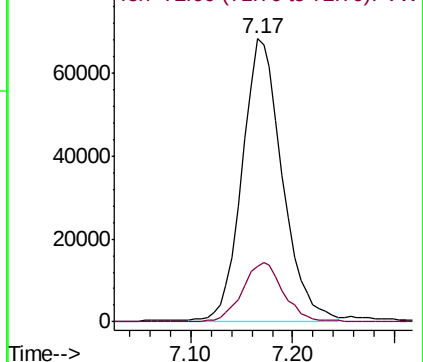
Ion Ratio Lower Upper

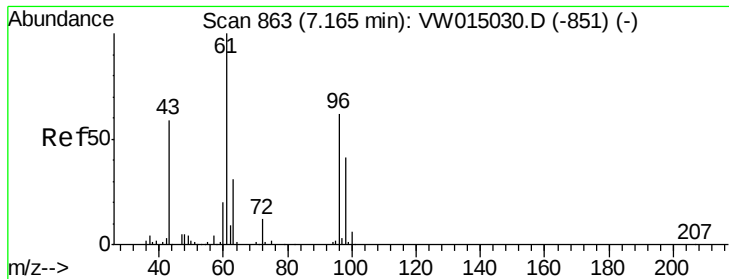
43 100

72 20.4 10.4 31.4



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



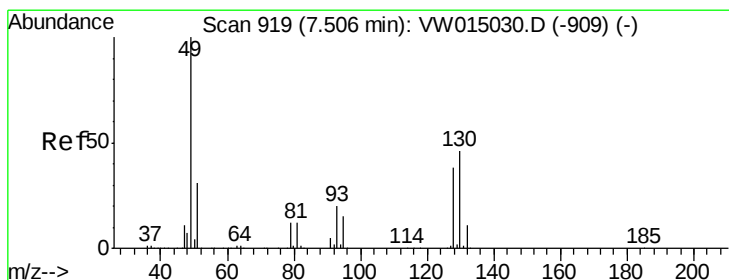
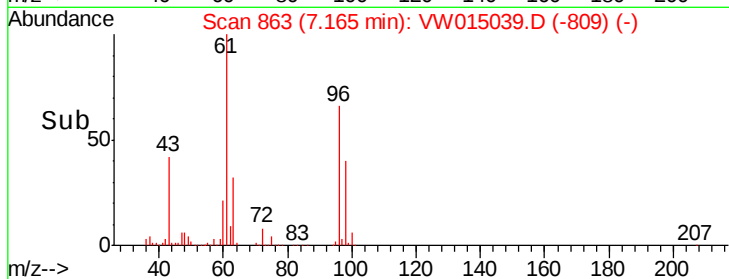
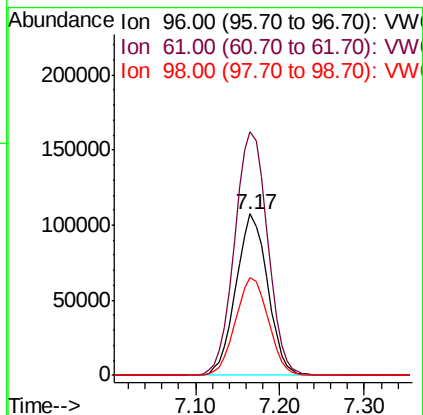
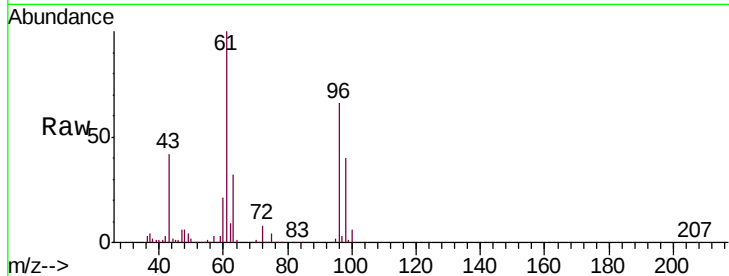


#22

cis-1,2-Dichloroethene
Concen: 24.908 ug/L
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW015039.D
Acq: 26 Feb 2020 10:49

Instrument :
MSVOA_W
ClientSampleId :
VSTD02529

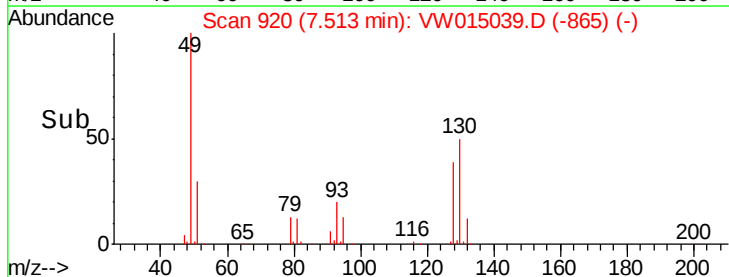
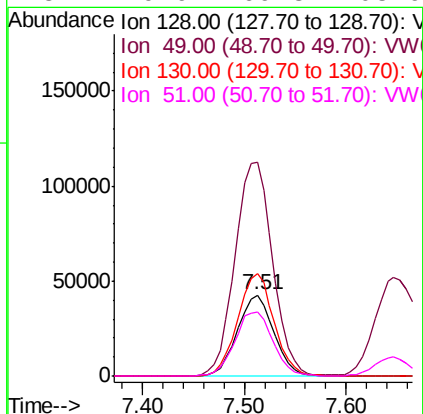
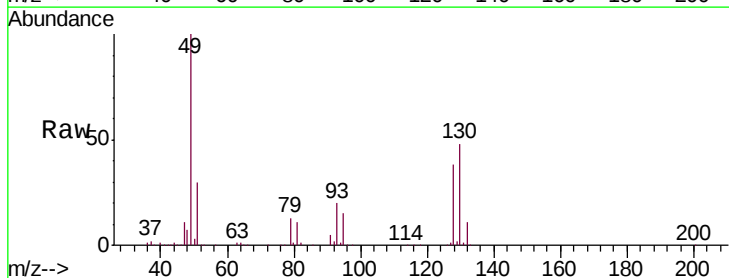
Tgt Ion: 96 Resp: 273921
Ion Ratio Lower Upper
96 100
61 150.7 105.2 195.4
98 60.5 42.6 79.2

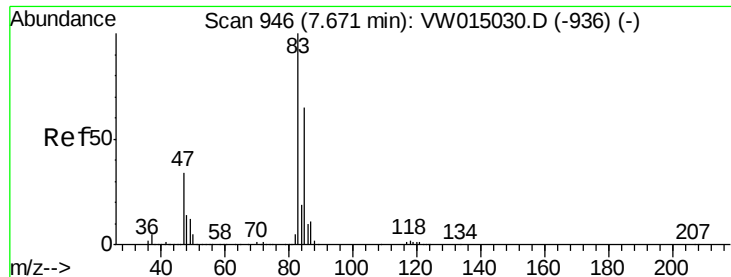


#23

Bromochloromethane
Concen: 24.569 ug/L
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW015039.D
Acq: 26 Feb 2020 10:49

Tgt Ion: 128 Resp: 105108
Ion Ratio Lower Upper
128 100
49 264.2 192.7 357.9
130 126.4 92.7 172.1
51 79.9 69.3 103.9

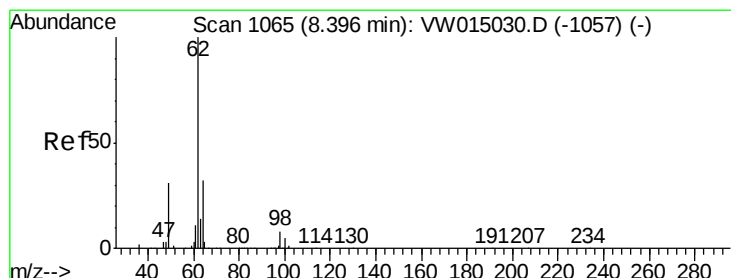
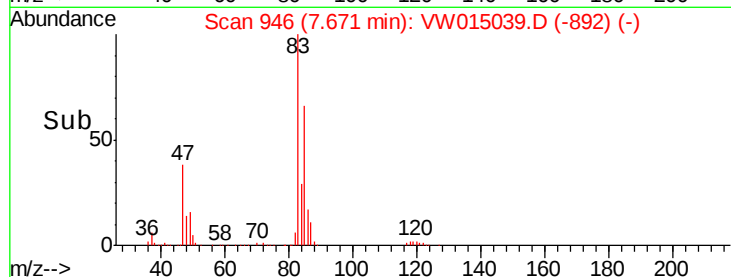
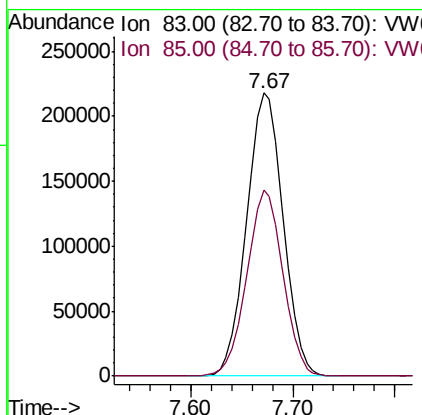
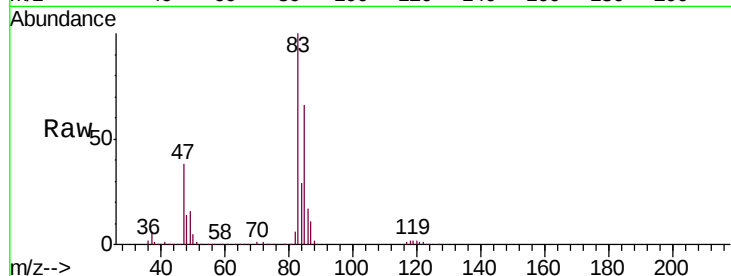




#25
Chloroform
Concen: 24.846 ug/L
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW015039.D
Acq: 26 Feb 2020 10:49

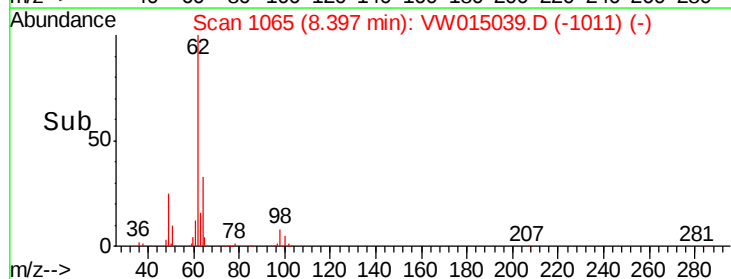
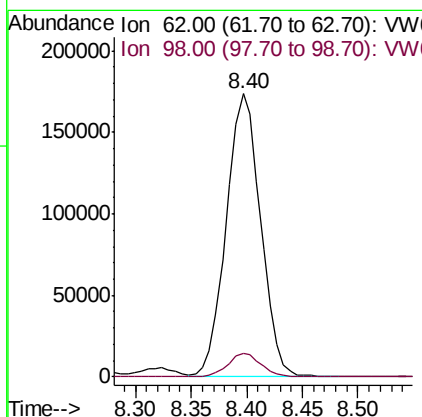
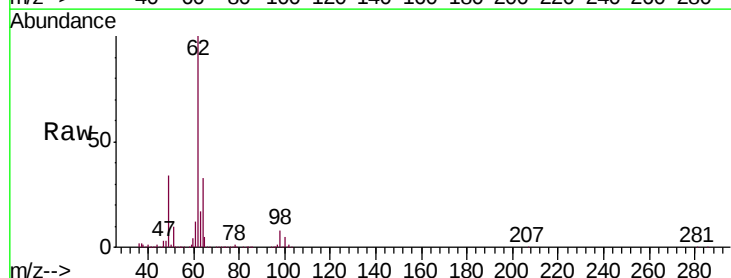
Instrument :
MSVOA_W
ClientSampleId :
VSTD02529

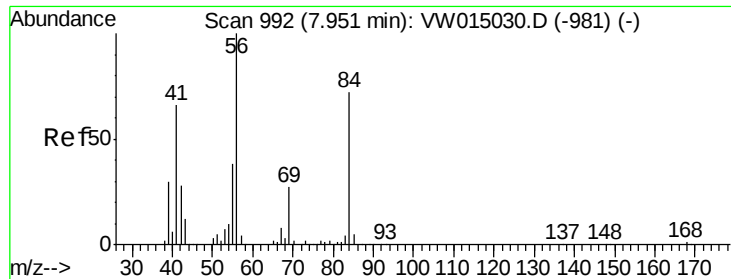
Tgt Ion: 83 Resp: 543451
Ion Ratio Lower Upper
83 100
85 65.1 44.9 83.5



#27
1,2-Dichloroethane
Concen: 24.871 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW015039.D
Acq: 26 Feb 2020 10:49

Tgt Ion: 62 Resp: 372200
Ion Ratio Lower Upper
62 100
98 8.4 6.5 9.7

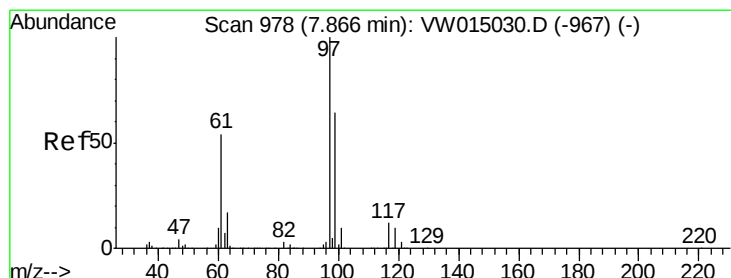
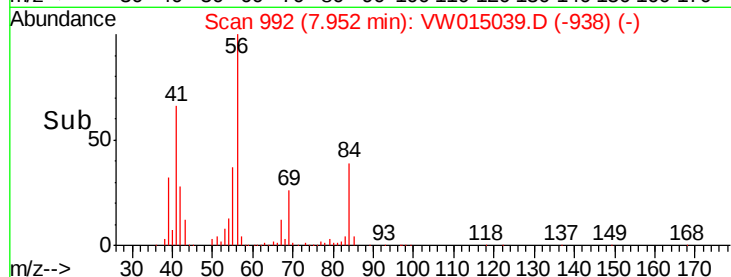
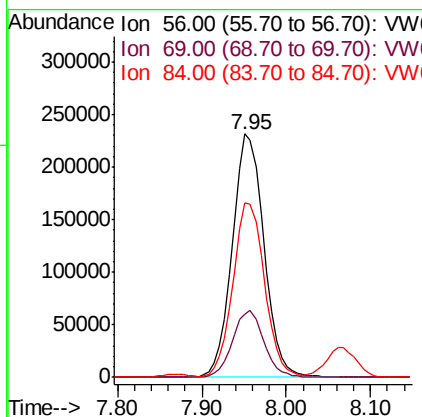
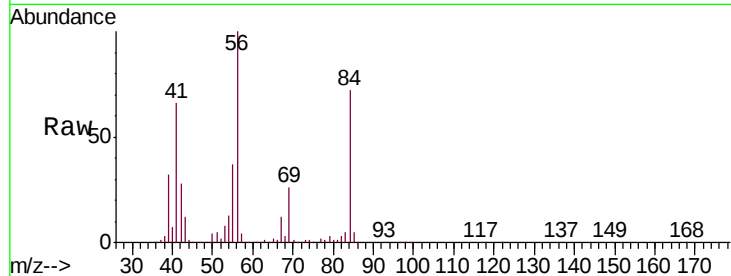




#30
Cyclohexane
Concen: 27.262 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW015039.D
Acq: 26 Feb 2020 10:49

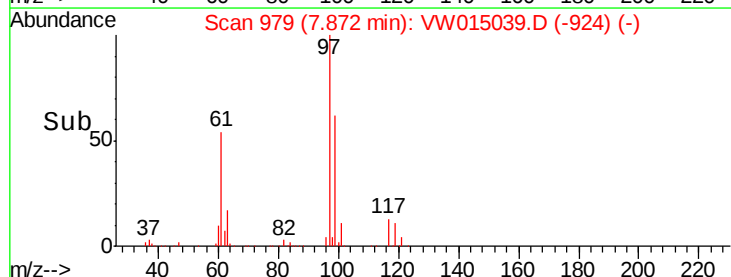
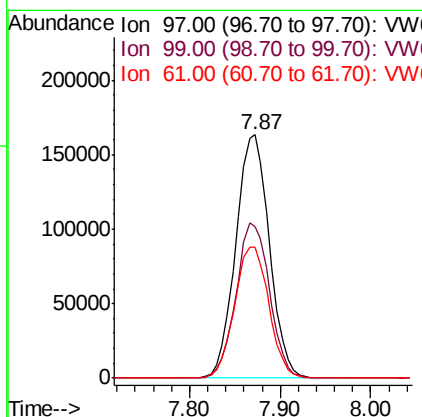
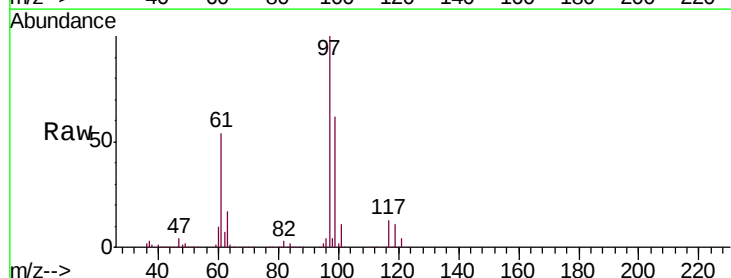
Instrument :
MSVOA_W
ClientSampleId :
VSTD02529

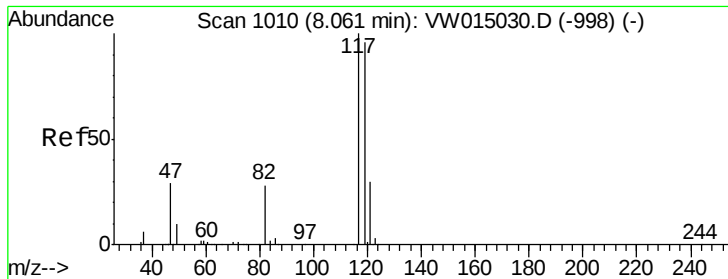
Tgt Ion	Resp	Lower	Upper
56	100		
69	27.1	21.8	32.6
84	71.4	57.3	85.9



#31
1,1,1-Trichloroethane
Concen: 25.161 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW015039.D
Acq: 26 Feb 2020 10:49

Tgt Ion	Resp	Lower	Upper
97	100		
99	63.7	50.6	76.0
61	54.9	43.1	64.7





#32

Carbon tetrachloride

Concen: 25.677 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.01 min

Lab File: VW015039.D

Acq: 26 Feb 2020 10:49

Instrument :

MSVOA_W

ClientSampleId :

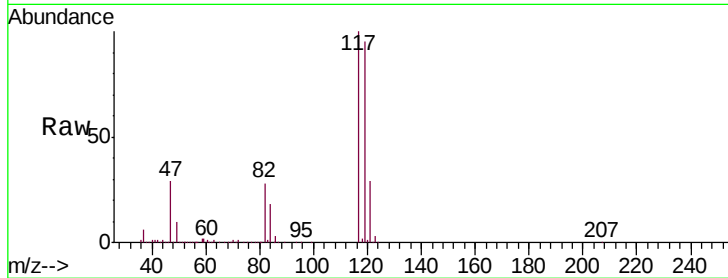
VSTD02529

Tgt Ion:117 Resp: 383800

Ion Ratio Lower Upper

117 100

119 94.4 76.3 114.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

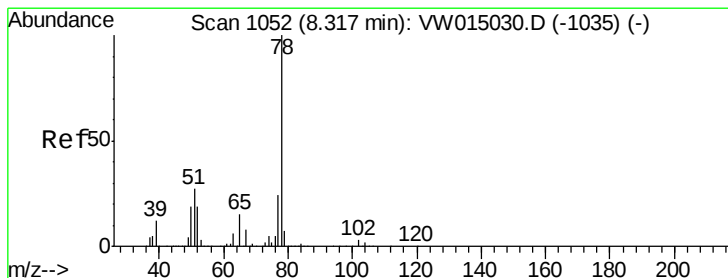
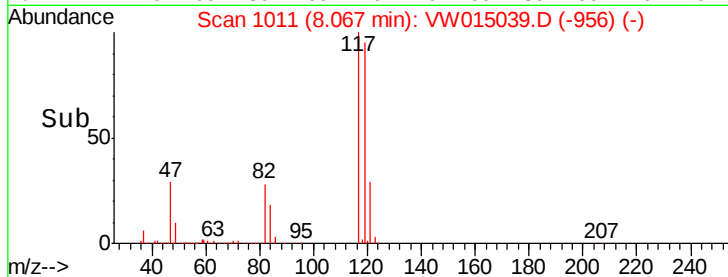
150000

100000

50000

0

Time-->



#34

Benzene

Concen: 26.373 ug/L

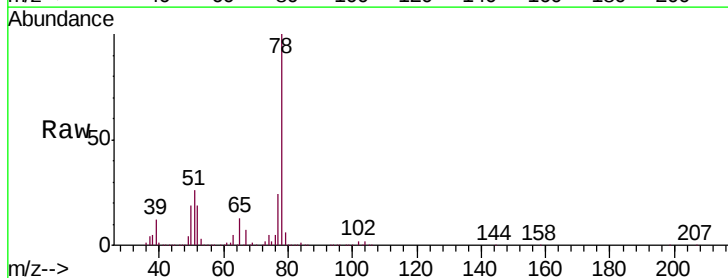
RT: 8.32 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VW015039.D

Acq: 26 Feb 2020 10:49

Tgt Ion: 78 Resp: 1268892



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

600000

500000

400000

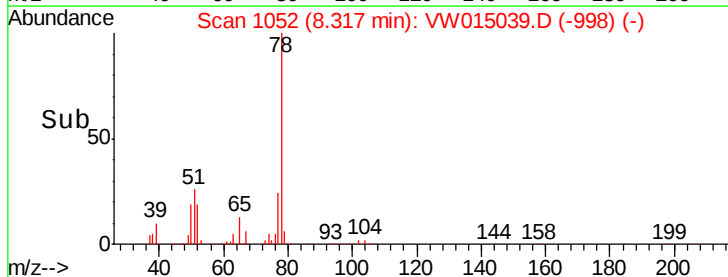
300000

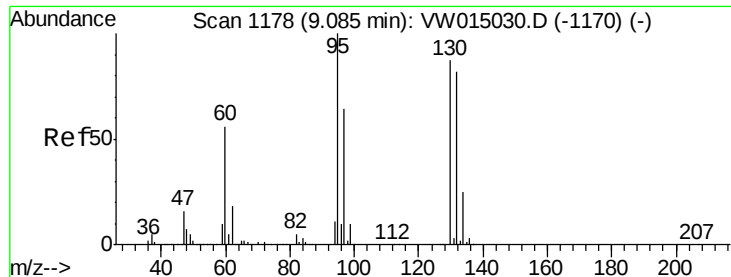
200000

100000

0

Time-->

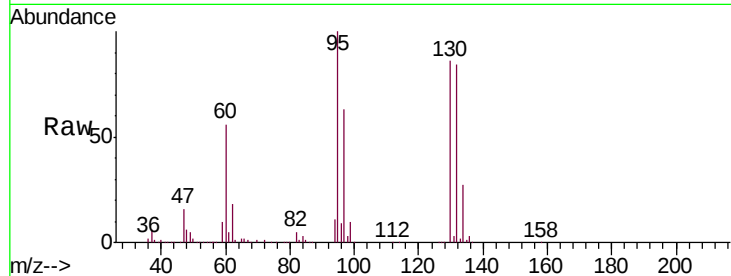




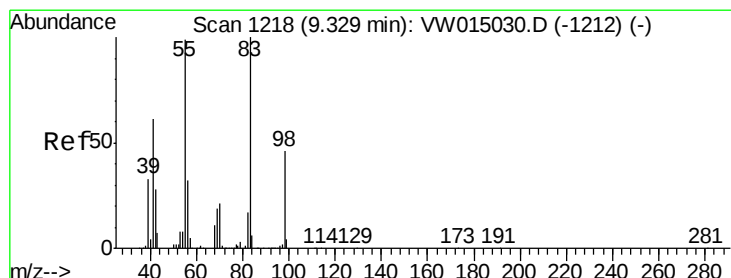
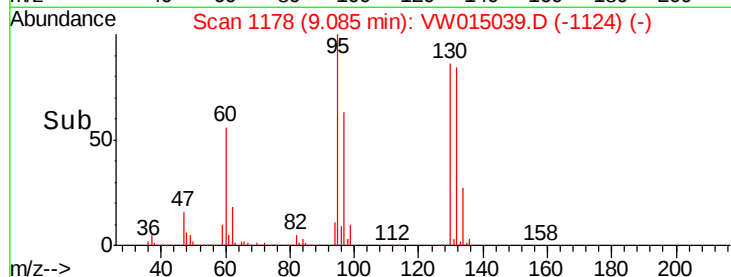
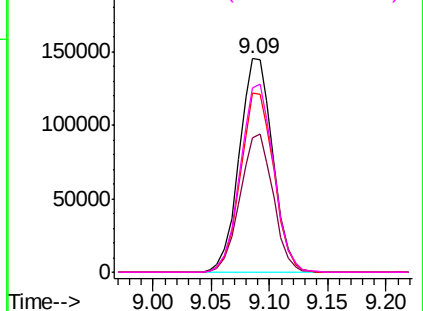
#35
 Trichloroethene
 Concen: 25.008 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. 0.00 min
 Lab File: VW015039.D
 Acq: 26 Feb 2020 10:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

Tgt Ion: 95 Resp: 291055
 Ion Ratio Lower Upper
 95 100
 97 63.8 44.7 83.1
 132 83.4 58.1 107.9
 130 87.5 62.0 115.2

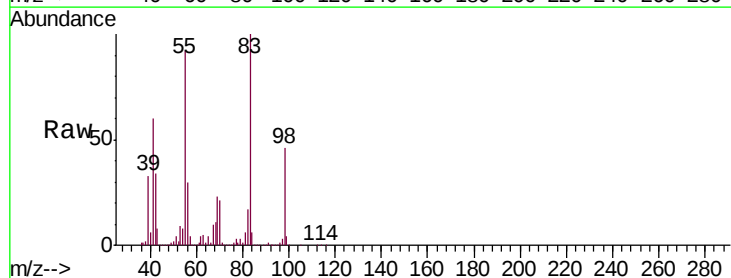


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

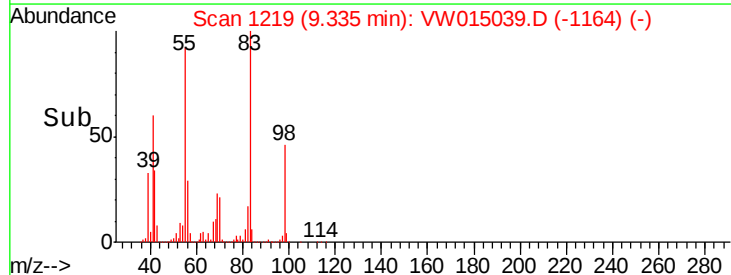
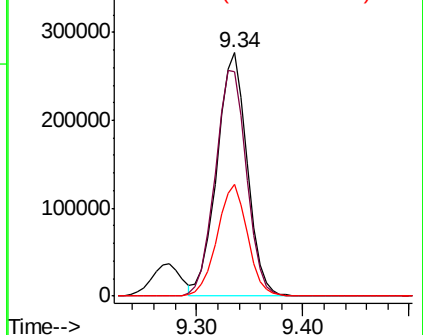


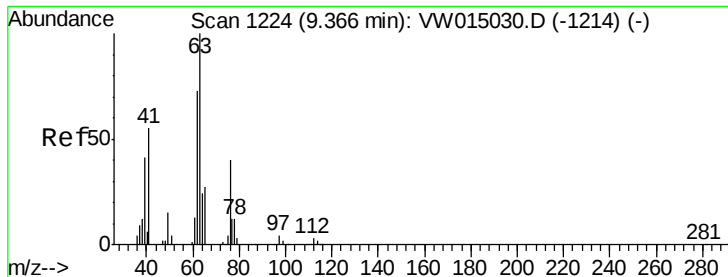
#36
 Methylcyclohexane
 Concen: 27.402 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VW015039.D
 Acq: 26 Feb 2020 10:49

Tgt Ion: 83 Resp: 547637
 Ion Ratio Lower Upper
 83 100
 55 95.9 76.6 115.0
 98 45.8 36.6 54.8



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

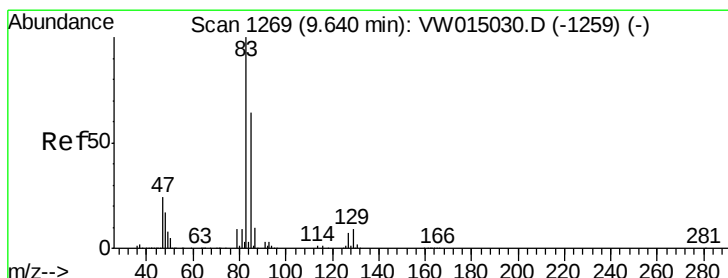
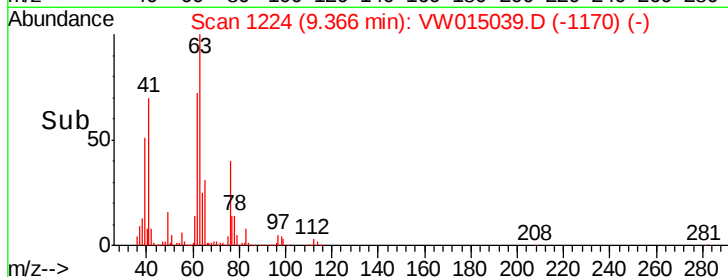
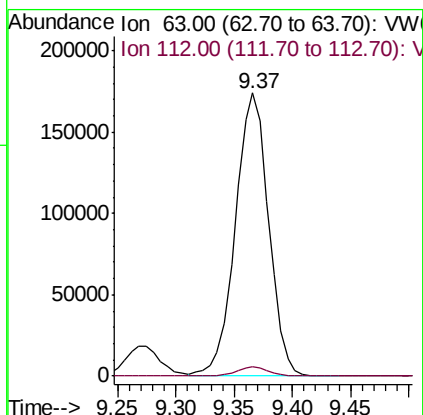
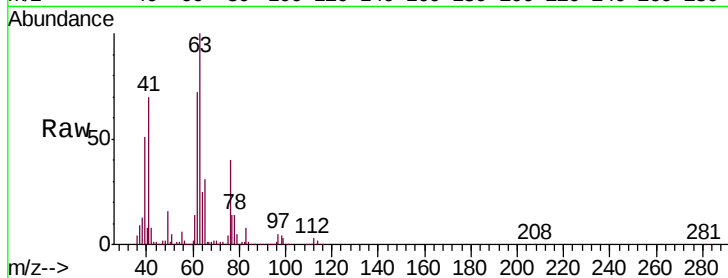




#40
 1,2-Dichloropropane
 Concen: 25.980 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW015039.D
 Acq: 26 Feb 2020 10:49

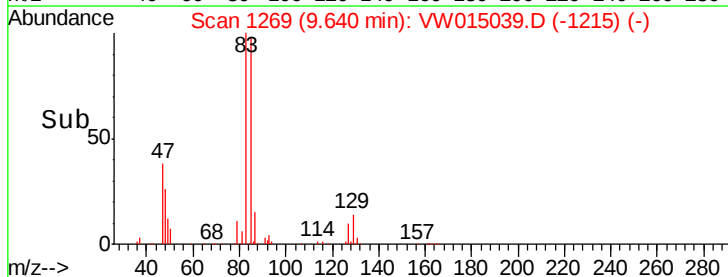
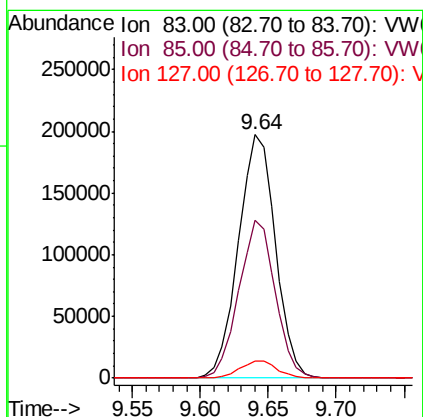
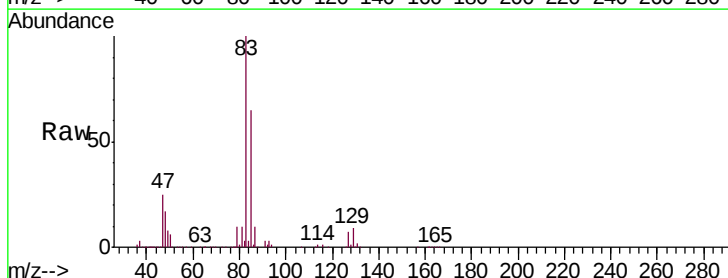
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

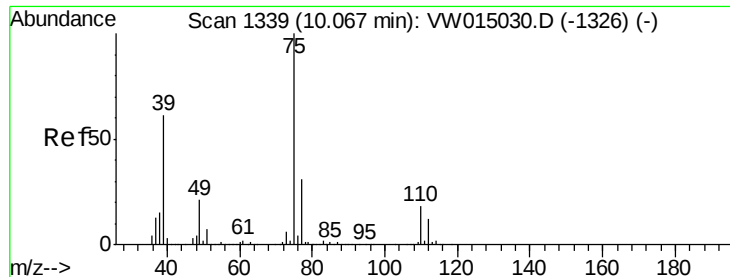
Tgt Ion: 63 Resp: 347162
 Ion Ratio Lower Upper
 63 100
 112 3.4 2.8 4.2



#41
 Bromodichloromethane
 Concen: 25.056 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW015039.D
 Acq: 26 Feb 2020 10:49

Tgt Ion: 83 Resp: 375562
 Ion Ratio Lower Upper
 83 100
 85 64.9 44.7 83.1
 127 7.0 5.4 8.0





#42

cis-1,3-Dichloropropene

Concen: 25.481 ug/L

RT: 10.07 min Scan# 1339

Delta R.T. 0.00 min

Lab File: VW015039.D

Acq: 26 Feb 2020 10:49

Instrument :

MSVOA_W

ClientSampleId :

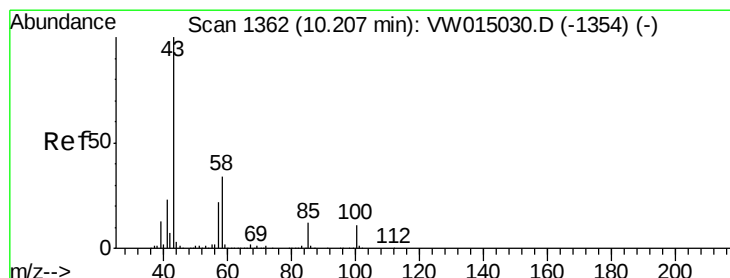
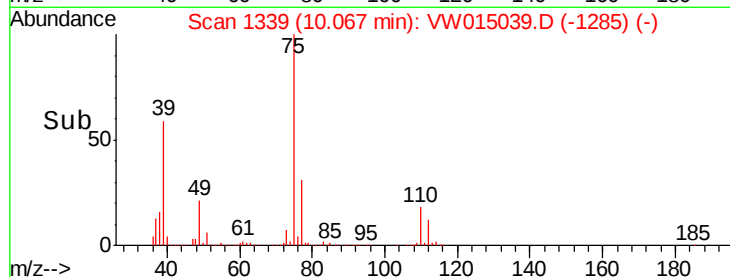
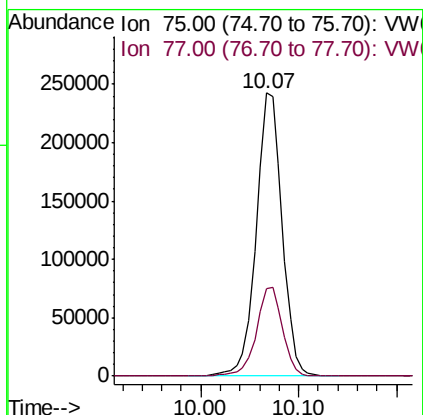
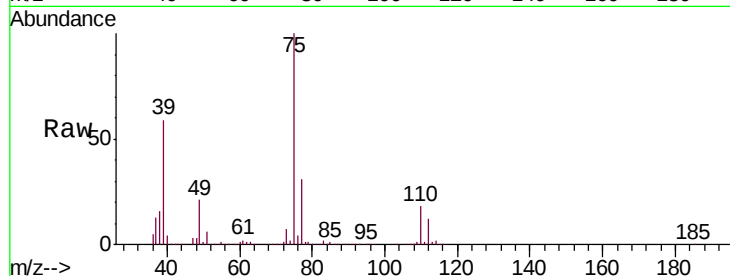
VSTD02529

Tgt Ion: 75 Resp: 443684

Ion Ratio Lower Upper

75 100

77 30.8 21.9 40.7



#43

4-Methyl-2-pentanone

Concen: 50.167 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW015039.D

Acq: 26 Feb 2020 10:49

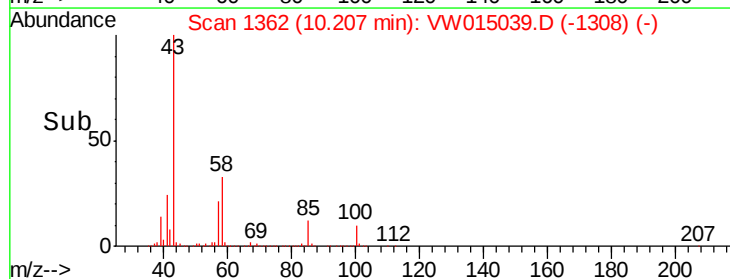
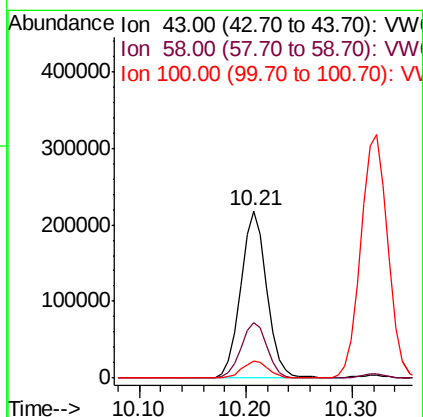
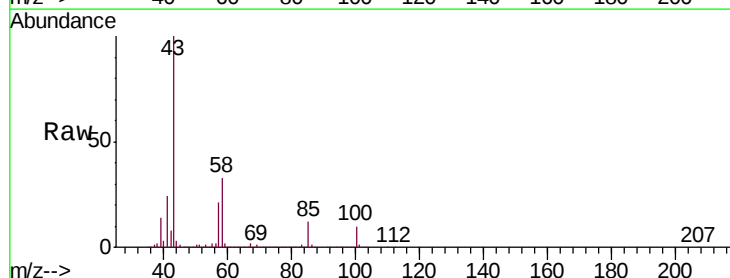
Tgt Ion: 43 Resp: 374946

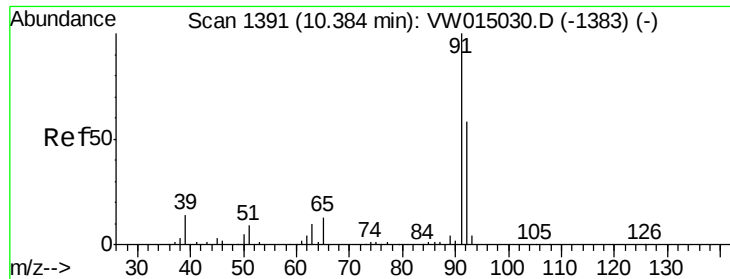
Ion Ratio Lower Upper

43 100

58 33.5 27.6 41.4

100 10.3 8.6 13.0





#44

Toluene

Concen: 26.997 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW015039.D

Acq: 26 Feb 2020 10:49

Instrument :

MSVOA_W

ClientSampleId :

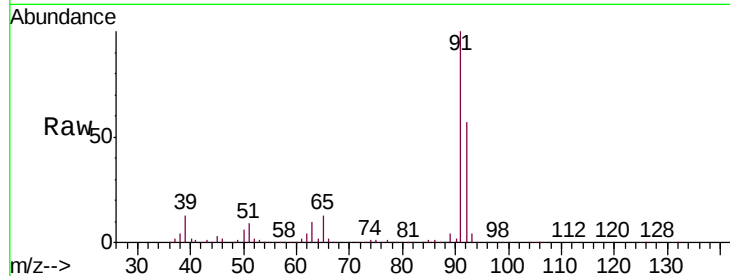
VSTD02529

Tgt Ion: 91 Resp: 1261496

Ion Ratio Lower Upper

91 100

92 57.3 40.5 75.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.38

800000

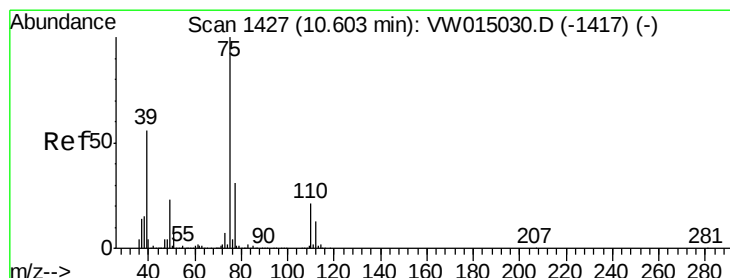
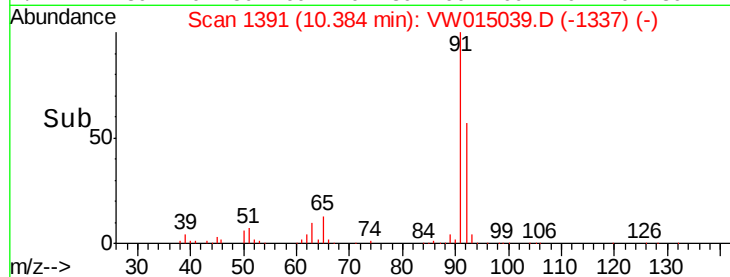
600000

400000

200000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 25.088 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW015039.D

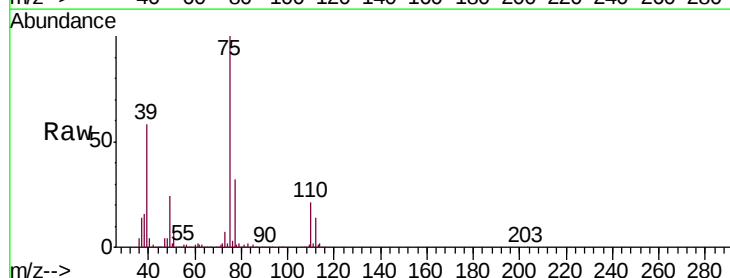
Acq: 26 Feb 2020 10:49

Tgt Ion: 75 Resp: 353080

Ion Ratio Lower Upper

75 100

77 32.1 21.6 40.2



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.60

200000

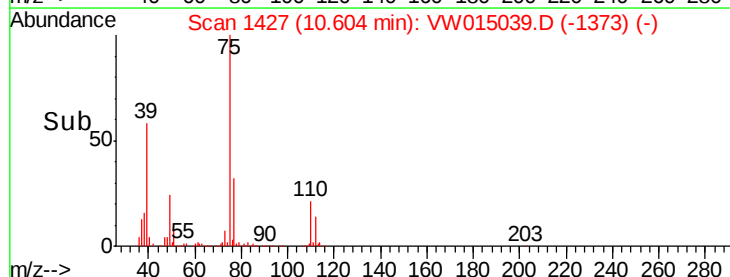
150000

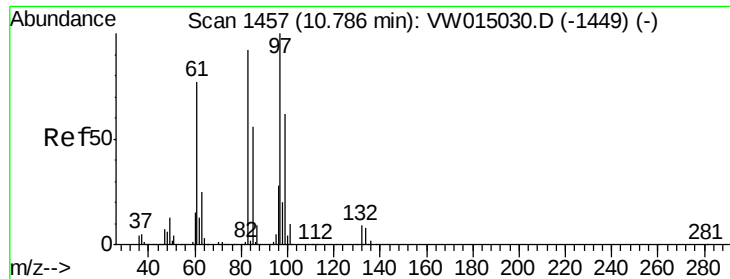
100000

50000

0

Time-->





#46

1,1,2-Trichloroethane

Concen: 24.829 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW015039.D

Acq: 26 Feb 2020 10:49

Instrument :

MSVOA_W

ClientSampleId :

VSTD02529

Tgt Ion: 97 Resp: 186708

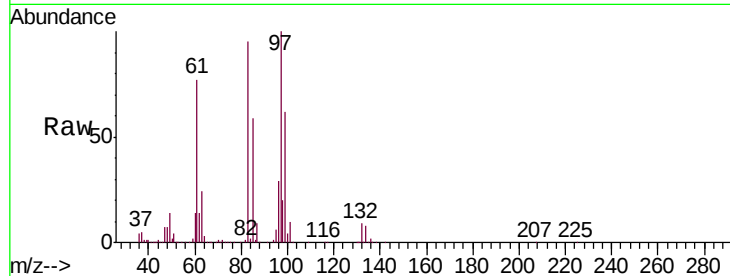
Ion Ratio Lower Upper

97 100

83 95.2 64.4 119.6

85 58.6 40.9 75.9

99 61.8 44.1 81.9

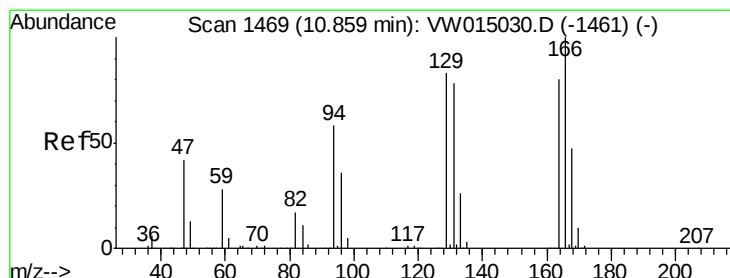
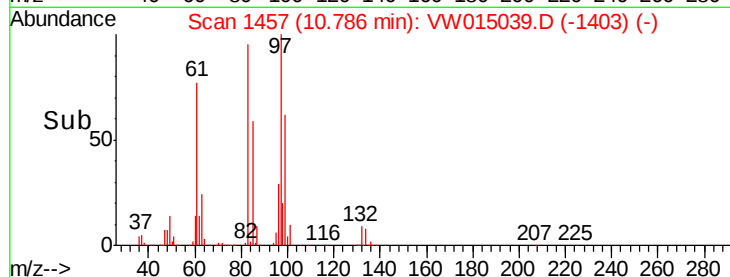
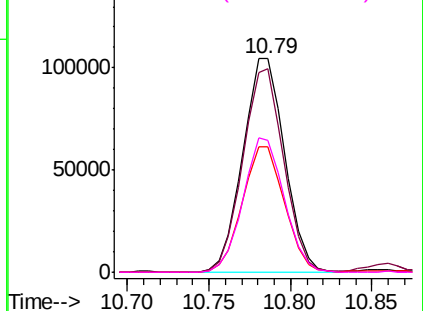


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 25.191 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW015039.D

Acq: 26 Feb 2020 10:49

Tgt Ion: 164 Resp: 188955

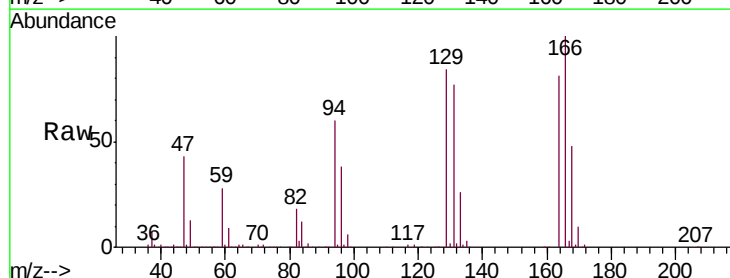
Ion Ratio Lower Upper

164 100

129 103.8 71.7 133.1

131 95.2 70.1 130.3

166 123.7 91.3 169.6

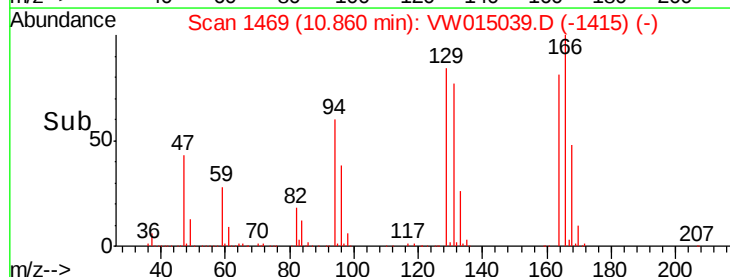
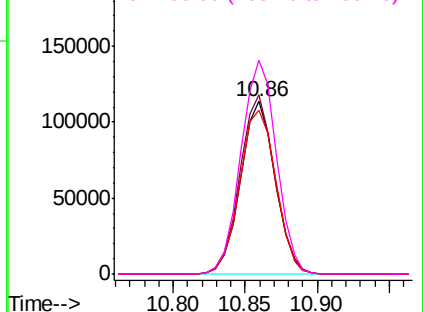


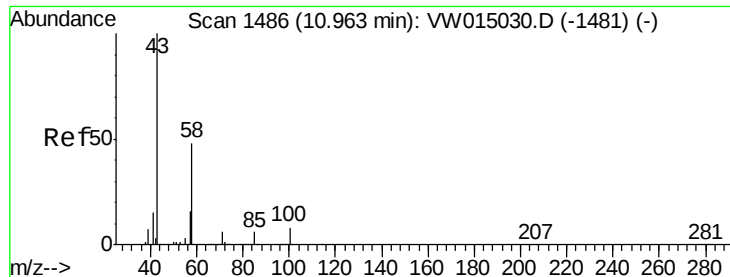
Abundance Ion 164.00 (163.70 to 164.70): V

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

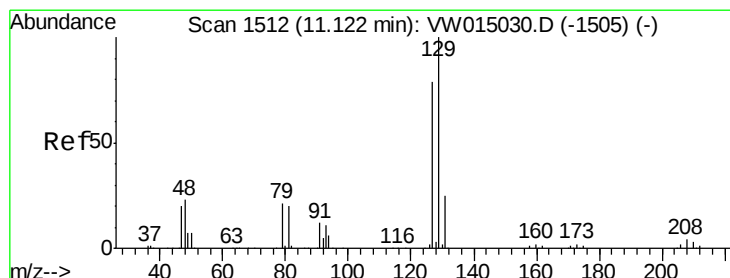
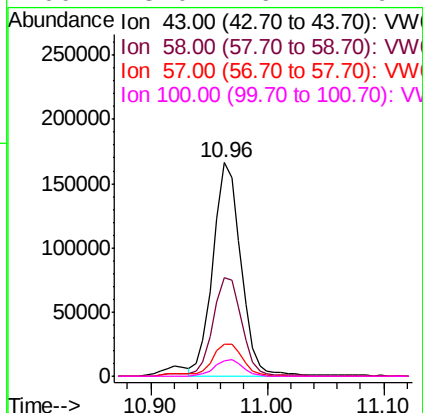
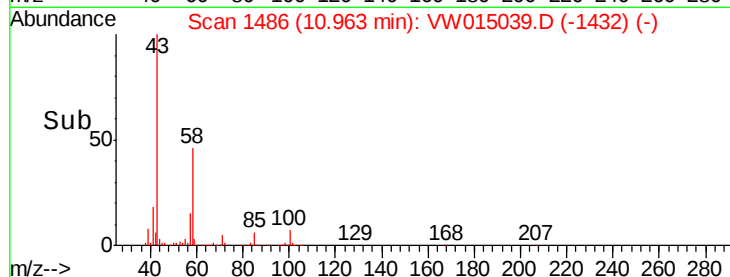
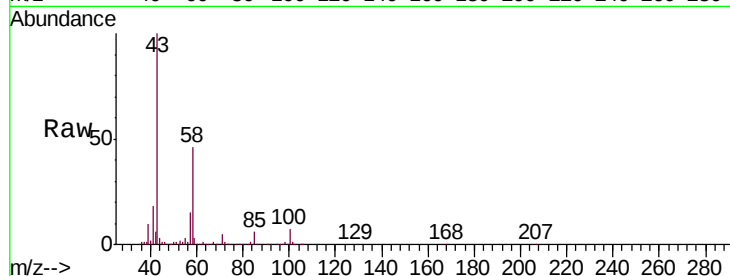




#49
2-Hexanone
Concen: 50.700 ug/L
RT: 10.96 min Scan# 1486
Delta R.T. 0.00 min
Lab File: VW015039.D
Acq: 26 Feb 2020 10:49

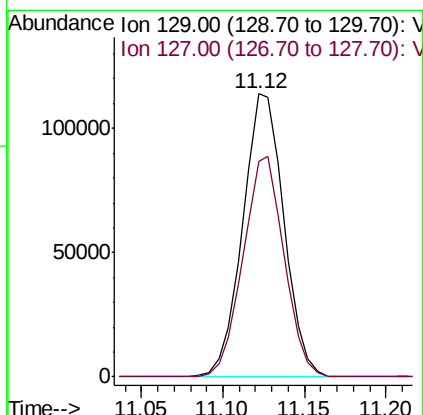
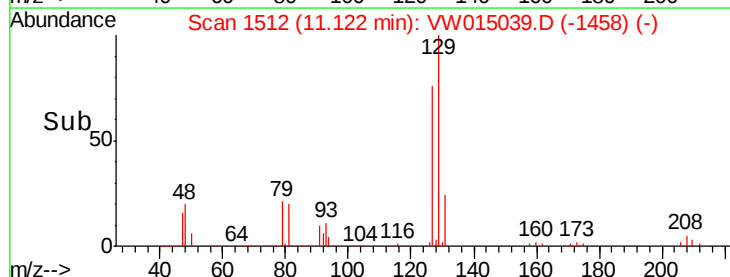
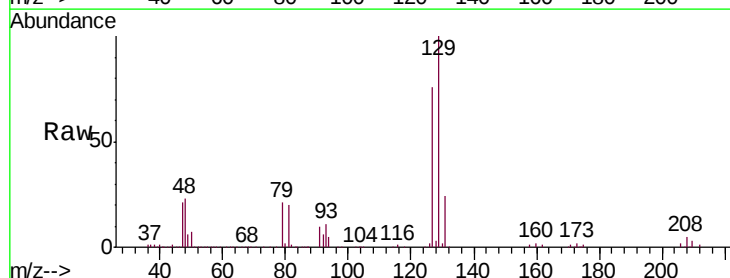
Instrument :
MSVOA_W
ClientSampleId :
VSTD02529

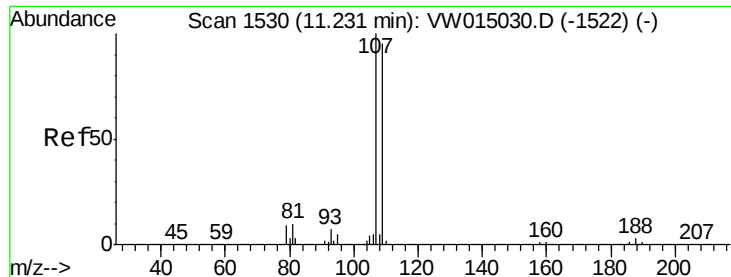
Tgt Ion:	43	Resp:	274715
Ion	Ratio	Lower	Upper
43	100		
58	48.9	38.9	58.3
57	16.1	13.4	20.2
100	8.0	6.7	10.1



#50
Dibromochloromethane
Concen: 25.070 ug/L
RT: 11.12 min Scan# 1512
Delta R.T. 0.00 min
Lab File: VW015039.D
Acq: 26 Feb 2020 10:49

Tgt Ion:	129	Resp:	200627
Ion	Ratio	Lower	Upper
129	100		
127	76.2	56.4	104.7





#51

1,2-Dibromoethane

Concen: 24.710 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW015039.D

Acq: 26 Feb 2020 10:49

Instrument :

MSVOA_W

ClientSampleId :

VSTD02529

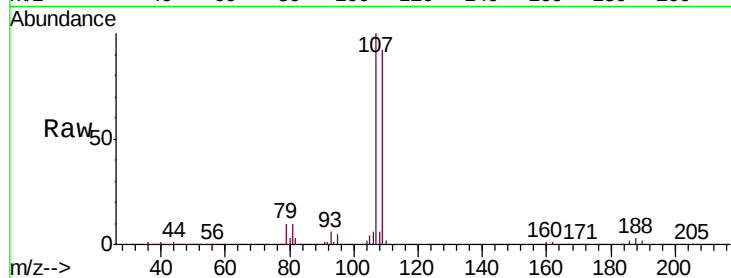
Tgt Ion:107 Resp: 161938

Ion Ratio Lower Upper

107 100

109 91.6 61.9 114.9

188 2.6 2.5 3.7

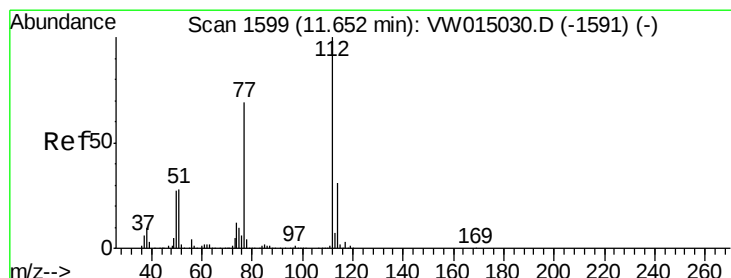
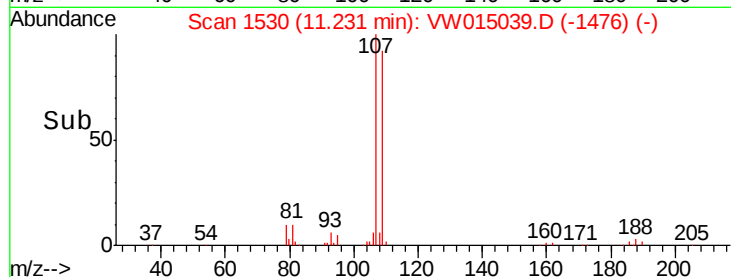
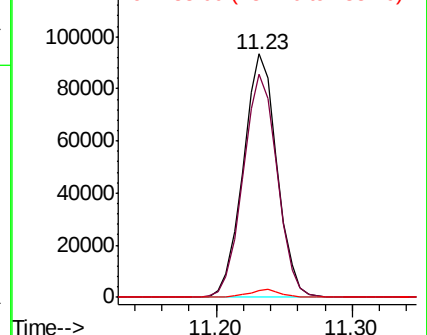


Abundance

Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 24.930 ug/L

RT: 11.65 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VW015039.D

Acq: 26 Feb 2020 10:49

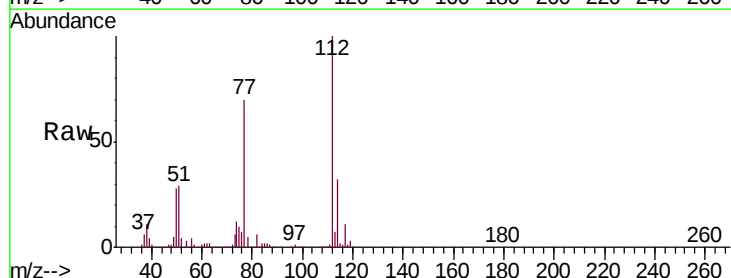
Tgt Ion:112 Resp: 685185

Ion Ratio Lower Upper

112 100

77 70.5 57.0 85.6

114 32.2 22.5 41.9

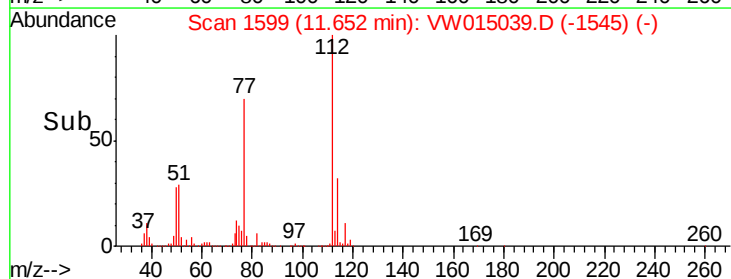
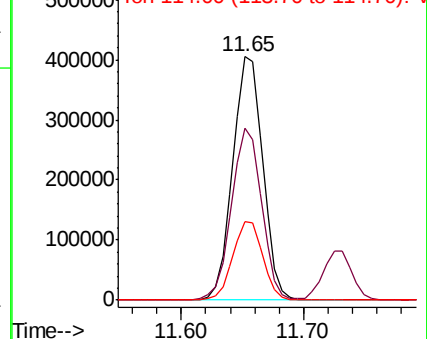


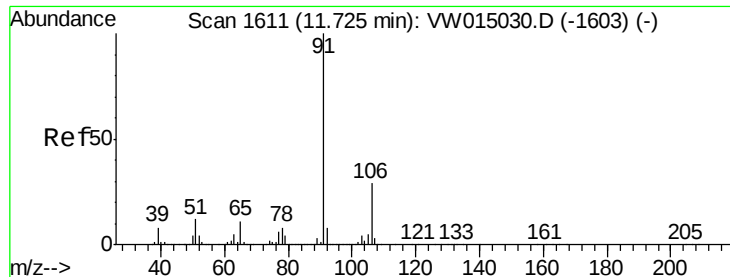
Abundance

Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 114.00 (113.70 to 114.70): V

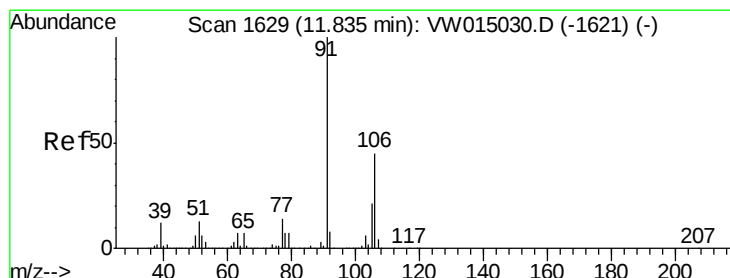
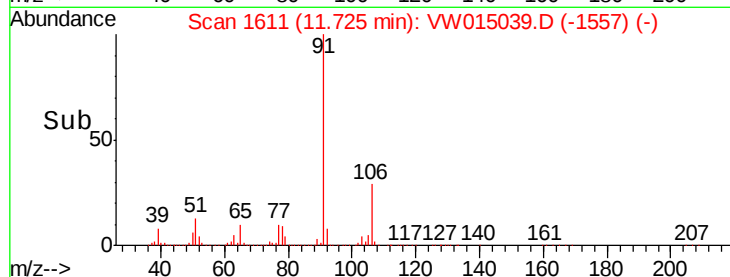
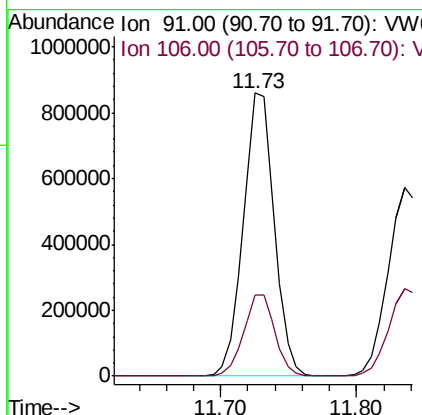
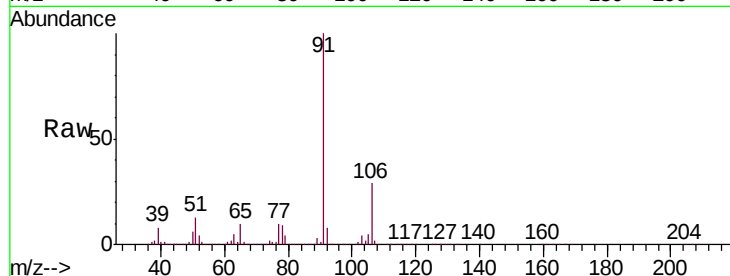




#53
Ethylbenzene
Concen: 26.892 ug/L
RT: 11.73 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VW015039.D
Acq: 26 Feb 2020 10:49

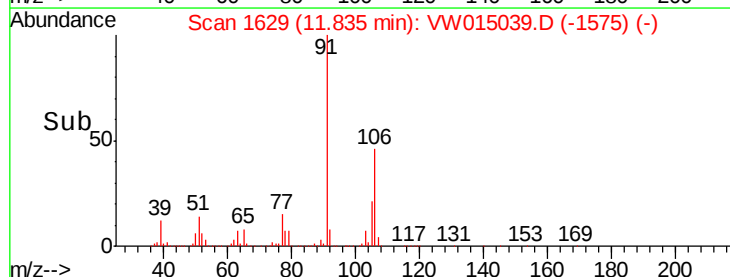
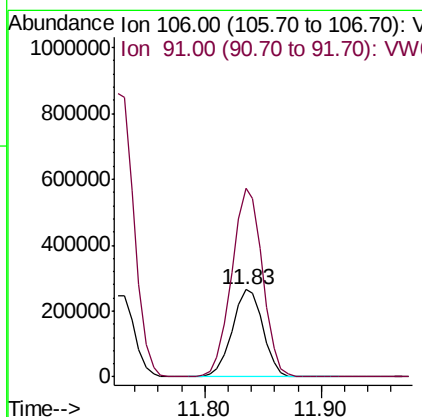
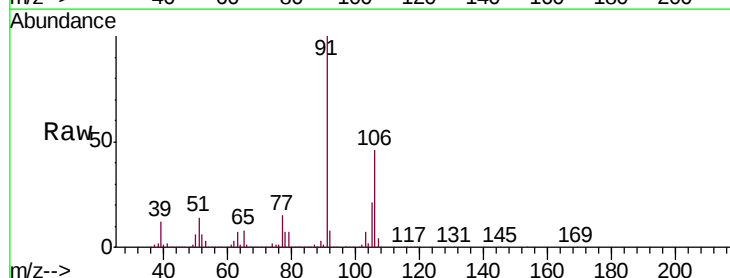
Instrument :
MSVOA_W
ClientSampleId :
VSTD02529

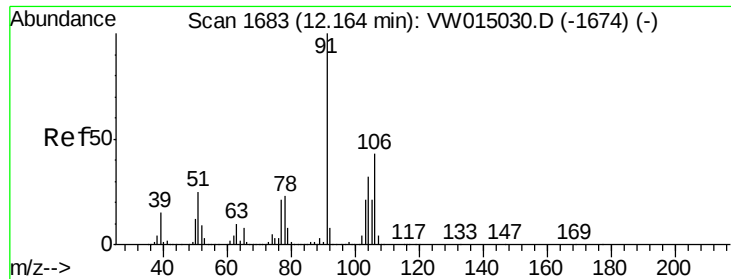
Tgt Ion: 91 Resp: 1372699
Ion Ratio Lower Upper
91 100
106 28.7 20.1 37.3



#54
m,p-Xylene
Concen: 27.362 ug/L
RT: 11.83 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW015039.D
Acq: 26 Feb 2020 10:49

Tgt Ion: 106 Resp: 488665
Ion Ratio Lower Upper
106 100
91 216.8 151.4 281.2

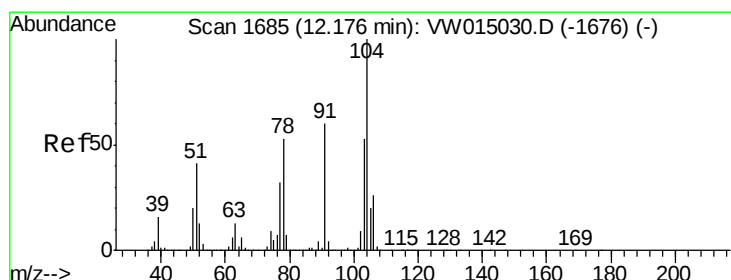
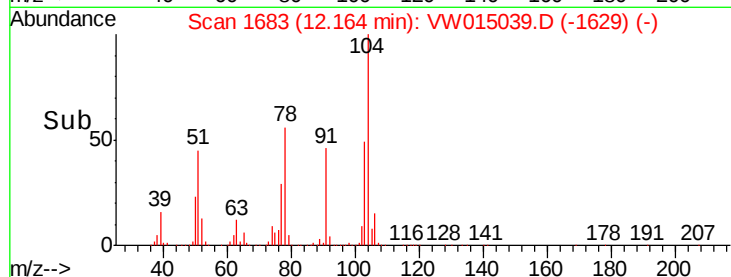
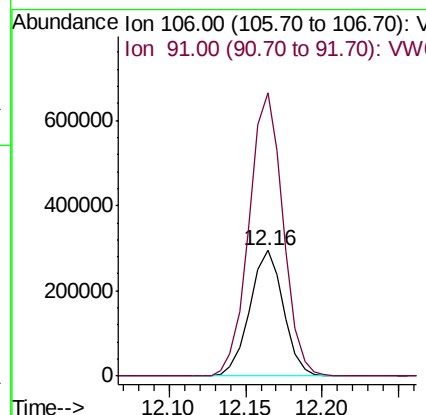
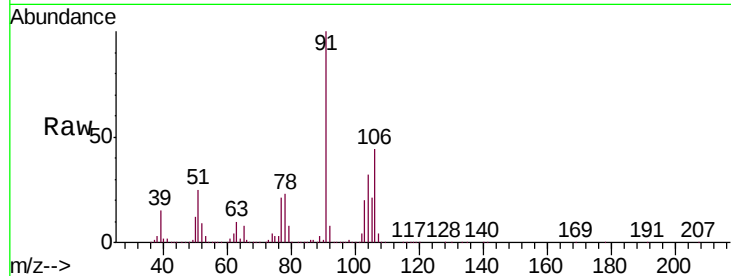




#55
o-xylene
Concen: 27.222 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW015039.D
Acq: 26 Feb 2020 10:49

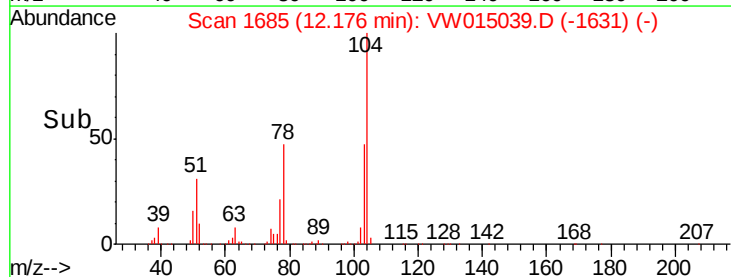
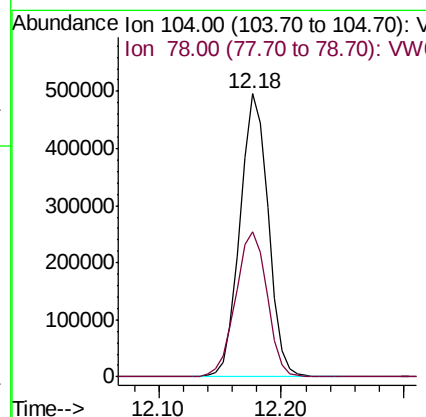
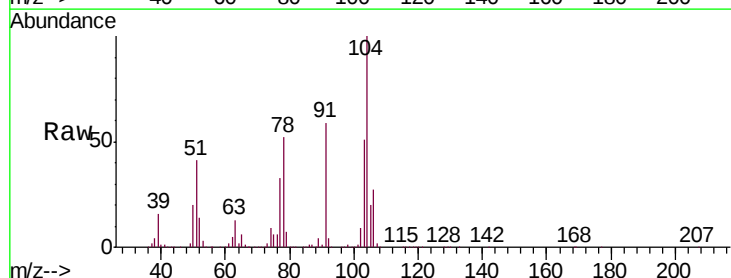
Instrument :
MSVOA_W
ClientSampleId :
VSTD02529

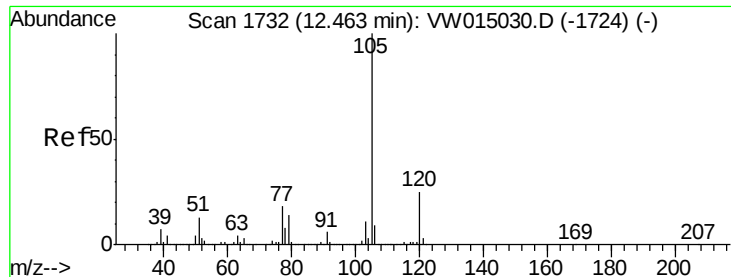
Tgt Ion:106 Resp: 452997
Ion Ratio Lower Upper
106 100
91 225.8 162.5 301.9



#56
Styrene
Concen: 27.772 ug/L
RT: 12.18 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VW015039.D
Acq: 26 Feb 2020 10:49

Tgt Ion:104 Resp: 791552
Ion Ratio Lower Upper
104 100
78 51.5 35.6 66.0





#57

Isopropylbenzene

Concen: 27.527 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015039.D

Acq: 26 Feb 2020 10:49

Instrument :

MSVOA_W

ClientSampleId :

VSTD02529

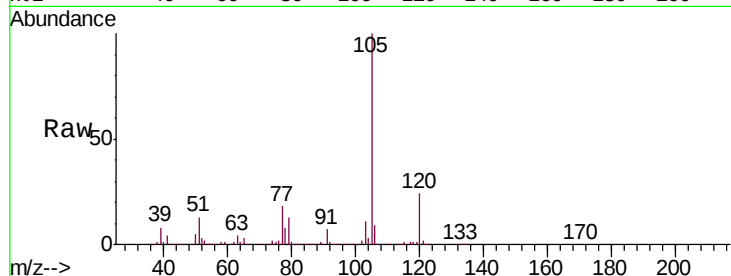
Tgt Ion: 105 Resp: 1247497

Ion Ratio Lower Upper

105 100

120 24.8 19.8 29.8

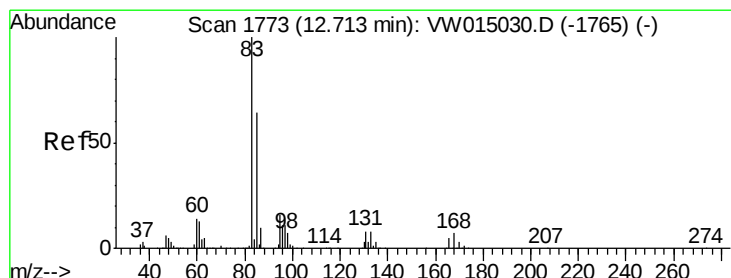
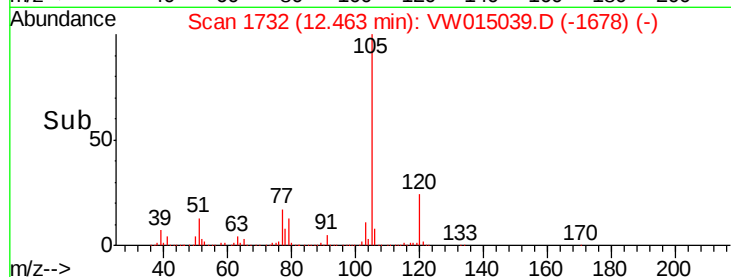
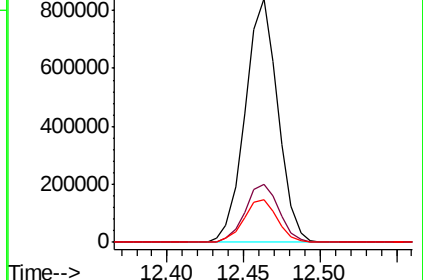
77 18.1 14.4 21.6



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: 24.717 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015039.D

Acq: 26 Feb 2020 10:49

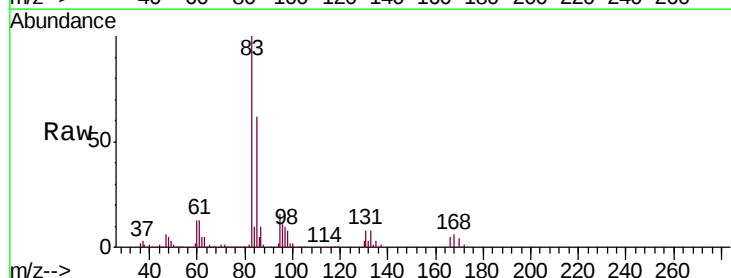
Tgt Ion: 83 Resp: 234507

Ion Ratio Lower Upper

83 100

85 62.2 44.2 82.0

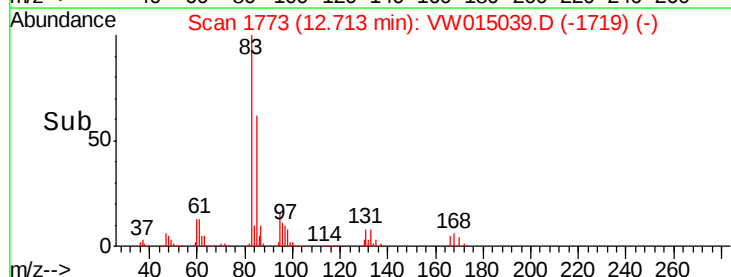
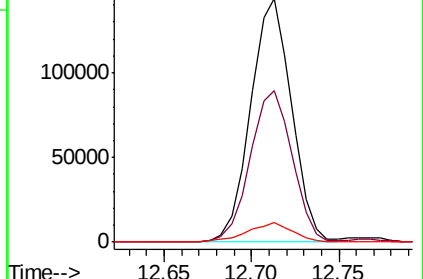
131 7.9 6.3 9.5

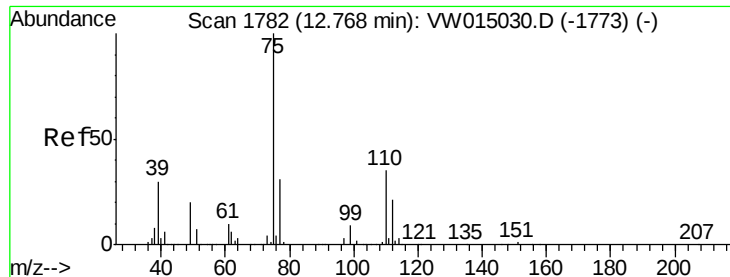


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 24.192 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW015039.D

Acq: 26 Feb 2020 10:49

Instrument :

MSVOA_W

ClientSampleId :

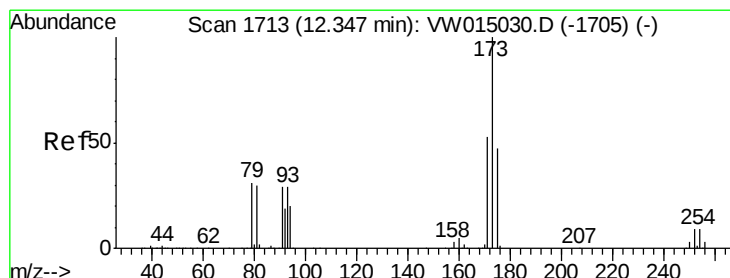
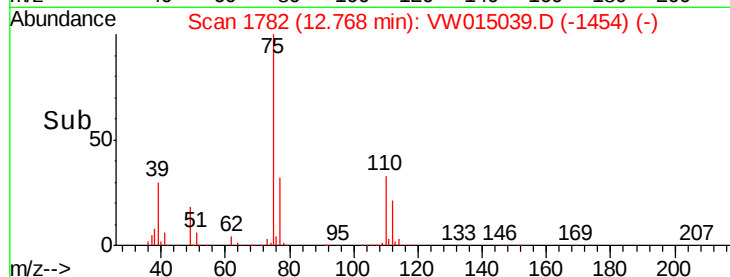
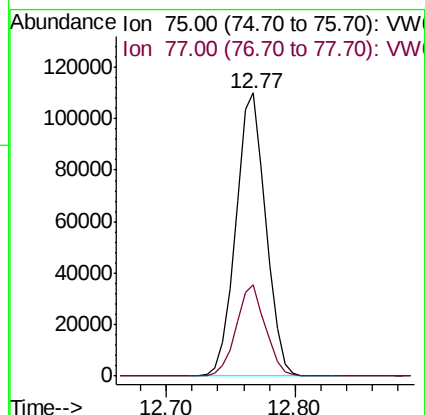
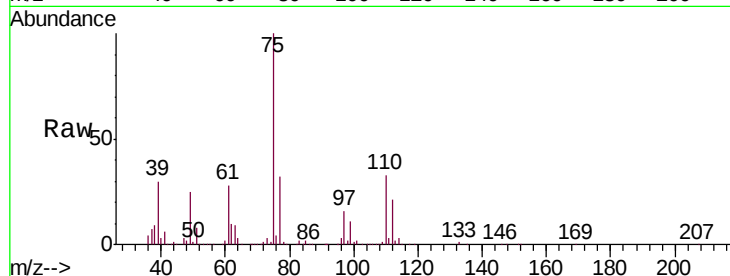
VSTD02529

Tgt Ion: 75 Resp: 176415

Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.0



#62

Bromoform

Concen: 23.361 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW015039.D

Acq: 26 Feb 2020 10:49

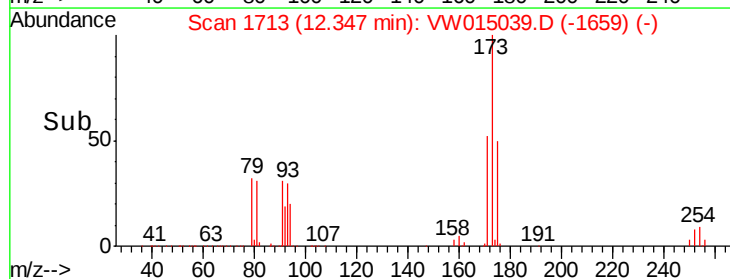
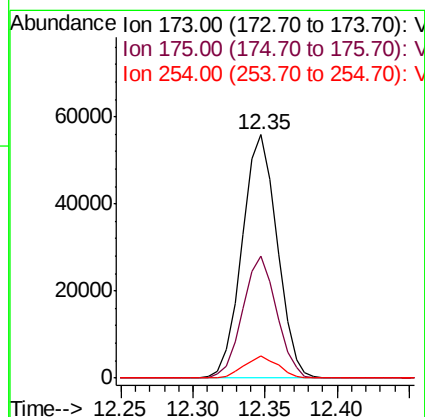
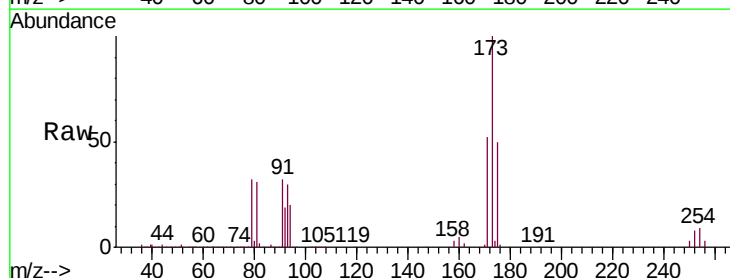
Tgt Ion: 173 Resp: 94431

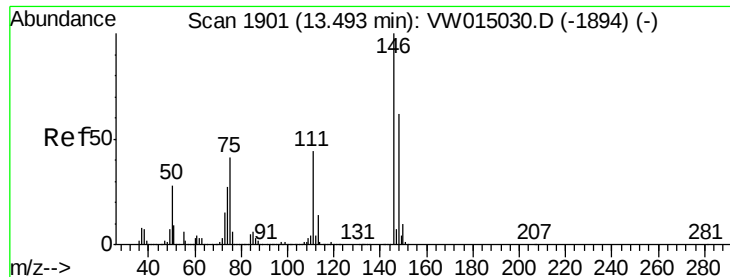
Ion Ratio Lower Upper

173 100

175 48.5 38.7 58.1

254 8.8 7.0 10.4

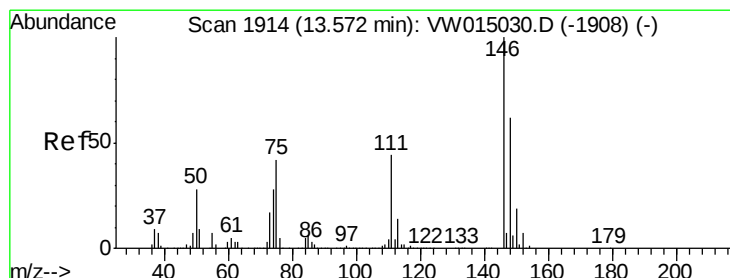
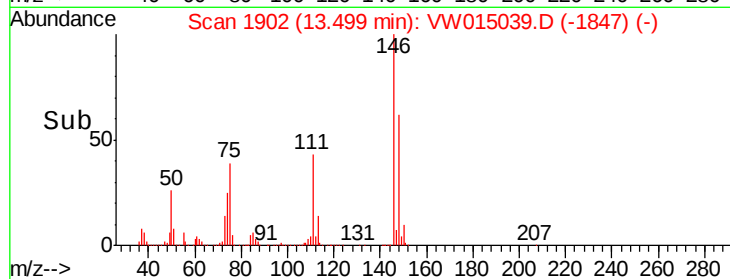
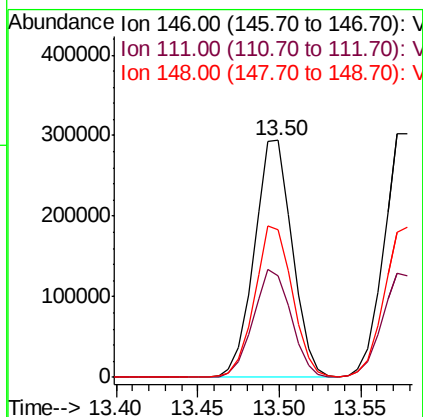
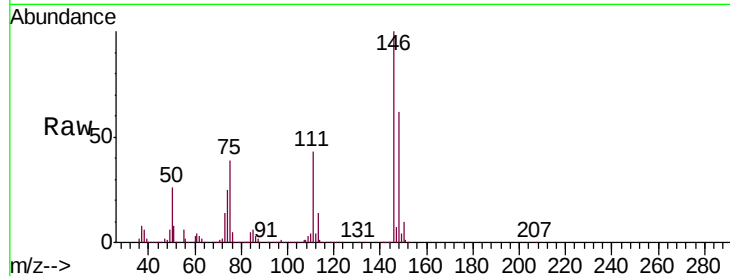




#63
 1,3-Dichlorobenzene
 Concen: 25.309 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.01 min
 Lab File: VW015039.D
 Acq: 26 Feb 2020 10:49

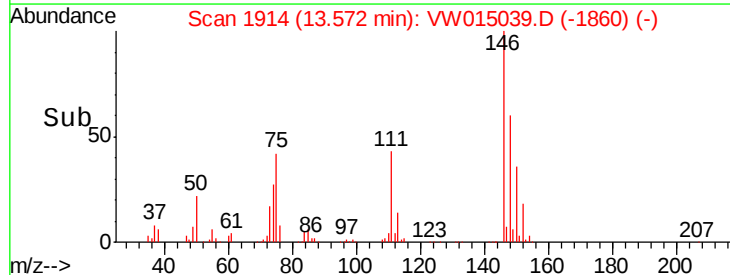
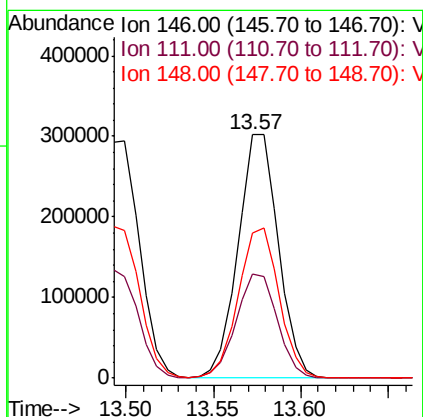
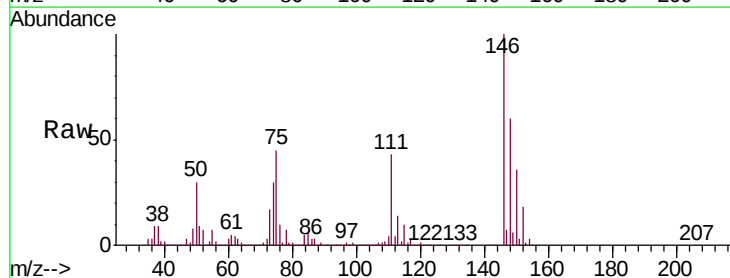
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

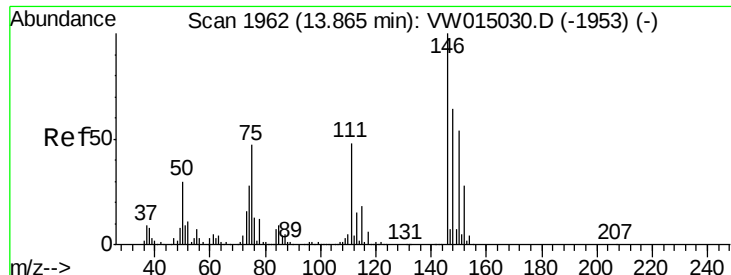
Tgt Ion:146 Resp: 474830
 Ion Ratio Lower Upper
 146 100
 111 42.9 30.9 57.3
 148 62.4 44.6 82.8



#64
 1,4-Dichlorobenzene
 Concen: 25.185 ug/L
 RT: 13.57 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VW015039.D
 Acq: 26 Feb 2020 10:49

Tgt Ion:146 Resp: 486497
 Ion Ratio Lower Upper
 146 100
 111 42.9 29.9 55.5
 148 59.8 46.1 85.5

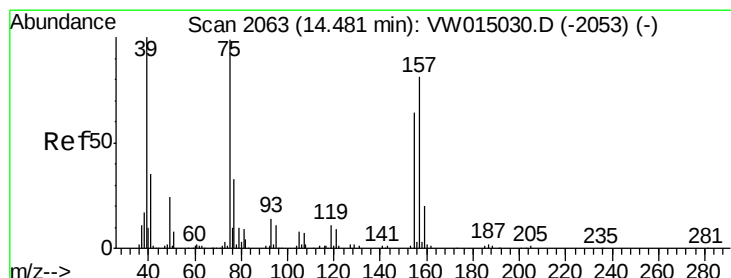
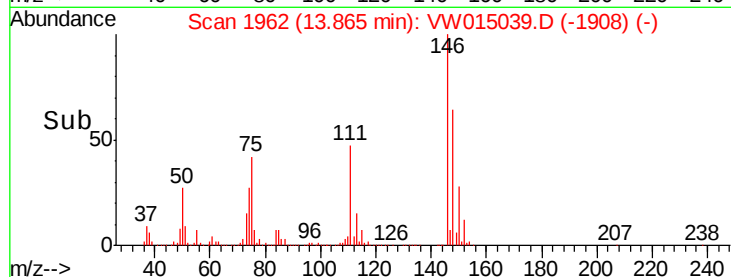
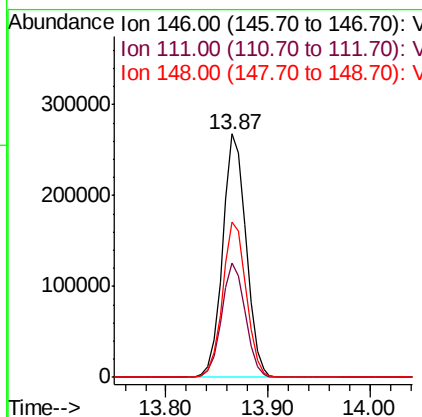
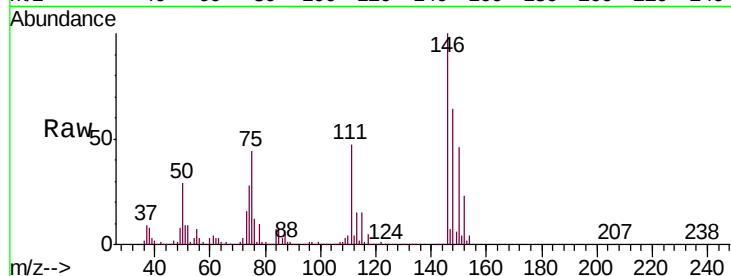




#65
 1,2-Dichlorobenzene
 Concen: 25.060 ug/L
 RT: 13.87 min Scan# 1962
 Delta R.T. 0.00 min
 Lab File: VW015039.D
 Acq: 26 Feb 2020 10:49

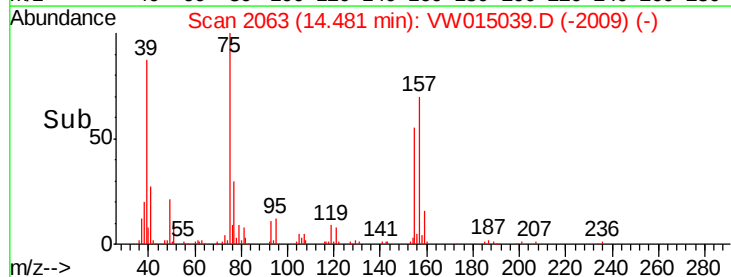
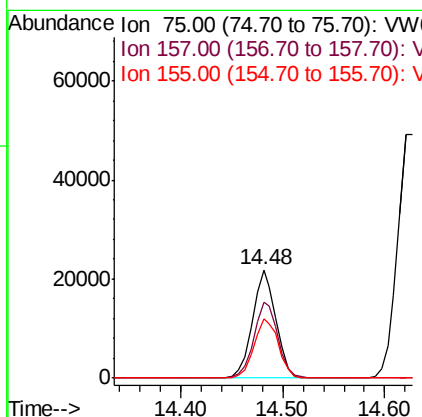
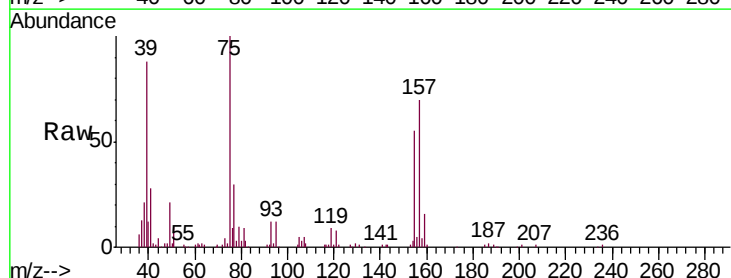
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

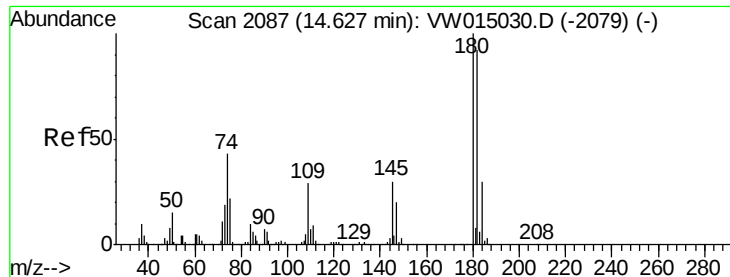
Tgt Ion: 146 Resp: 425800
 Ion Ratio Lower Upper
 146 100
 111 47.2 37.7 56.5
 148 64.0 50.0 75.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 23.407 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW015039.D
 Acq: 26 Feb 2020 10:49

Tgt Ion: 75 Resp: 35113
 Ion Ratio Lower Upper
 75 100
 157 69.6 61.4 92.0
 155 54.7 45.0 67.6

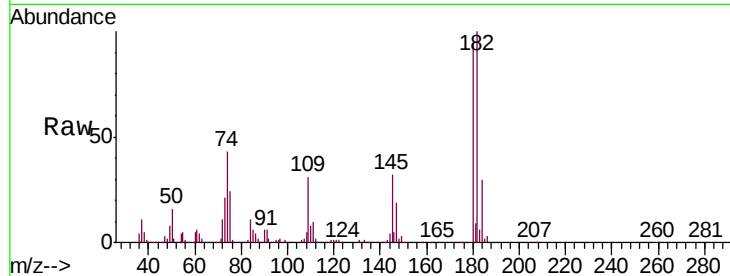




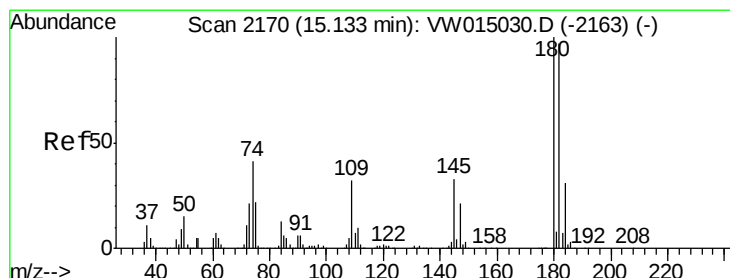
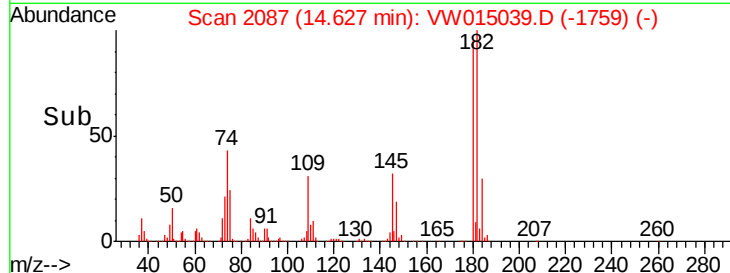
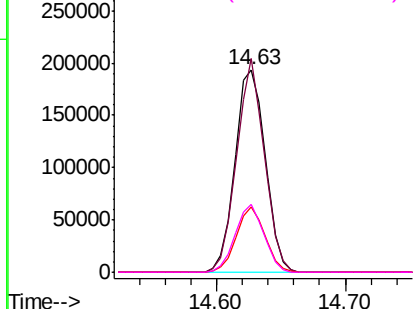
#67
 1,3,5-Trichlorobenzene
 Concen: 25.078 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW015039.D
 Acq: 26 Feb 2020 10:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

Tgt Ion:180 Resp: 315516
 Ion Ratio Lower Upper
 180 100
 182 96.3 75.4 113.0
 184 30.5 23.9 35.9
 145 32.0 25.4 38.2

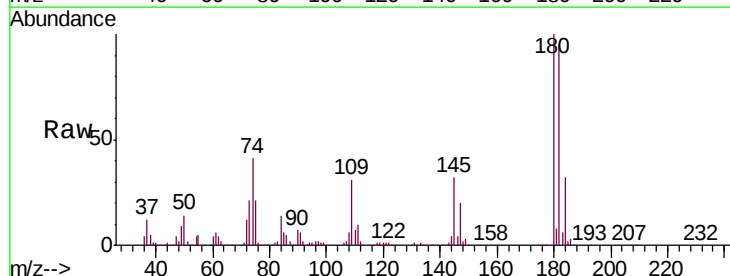


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

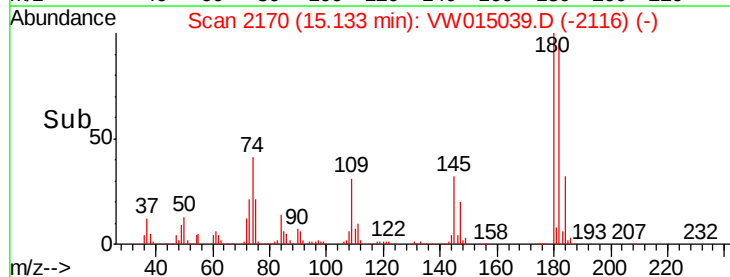
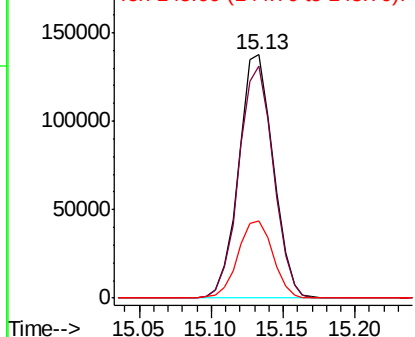


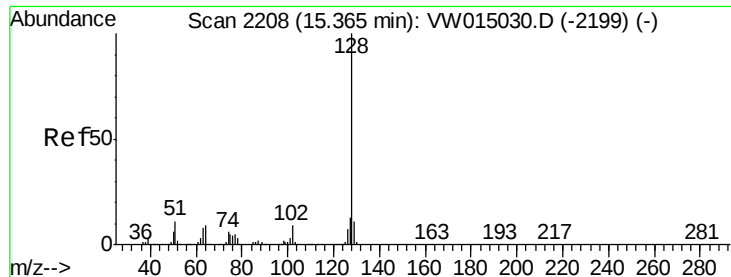
#68
 1,2,4-trichlorobenzene
 Concen: 24.959 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015039.D
 Acq: 26 Feb 2020 10:49

Tgt Ion:180 Resp: 229495
 Ion Ratio Lower Upper
 180 100
 182 95.4 75.7 113.5
 145 32.1 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: 23.067 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW015039.D

Acq: 26 Feb 2020 10:49

Instrument :

MSVOA_W

ClientSampleId :

VSTD02529

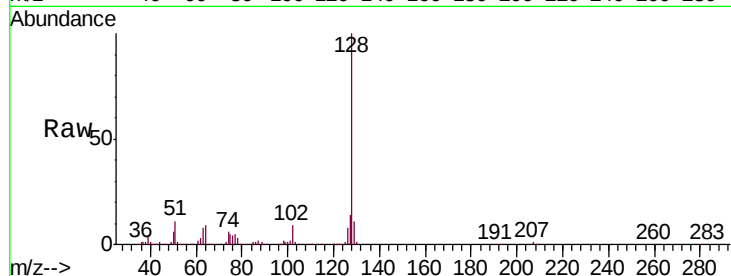
Tgt Ion:128 Resp: 188293

Ion Ratio Lower Upper

128 100

129 11.2 8.9 13.3

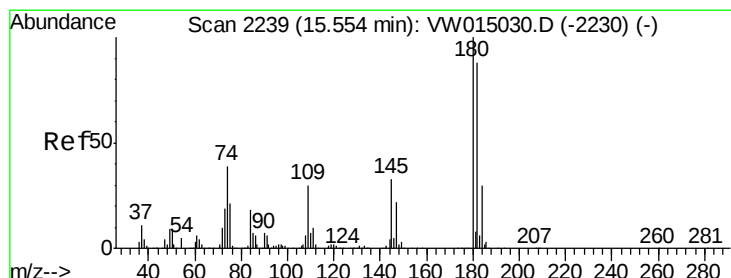
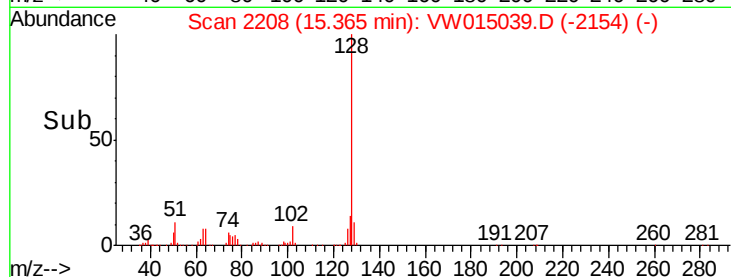
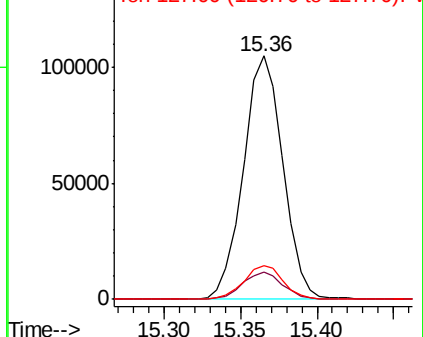
127 14.0 11.1 16.7



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: 25.471 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW015039.D

Acq: 26 Feb 2020 10:49

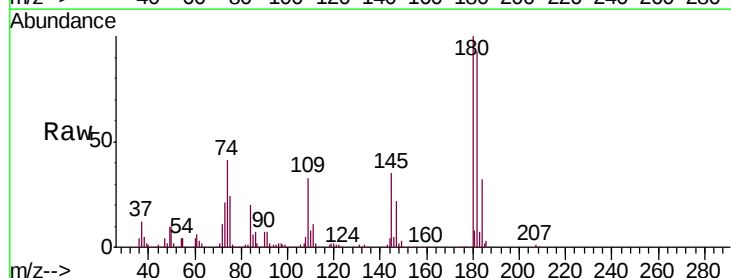
Tgt Ion:180 Resp: 210215

Ion Ratio Lower Upper

180 100

182 95.7 75.8 113.6

145 35.7 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

