

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022420\
 Data File : VW015028.D
 Acq On : 24 Feb 2020 12:42
 Operator : SY/VA
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Feb 25 06:08:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM022420S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Feb 25 06:06:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	801302	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	729465	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	316228	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	474731	23.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.72%
7) Chloroethane-d5	2.89	69	345402	23.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.64%
10) 1,1-Dichloroethene-d2	4.02	63	782936	25.10	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	100.40%
20) 2-Butanone-d5	7.07	46	174034	51.95	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.90%
24) Chloroform-d	7.64	84	663161	25.19	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.76%
26) 1,2-Dichloroethane-d4	8.30	65	363273	24.66	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.64%
29) Benzene-d6	8.27	84	1333710	26.61	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	106.44%
33) 1,2-Dichloropropane-d6	9.27	67	440629	26.26	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	105.04%
37) Toluene-d8	10.32	98	1164020	27.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	111.36%
38) trans-1,3-Dichloropropene-	10.57	79	164465	26.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	106.04%
39) 2-Hexanone-d5	10.92	63	124028	55.82	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.64%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	271091	25.00	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.00%
61) 1,2-Dichlorobenzene-d4	13.85	152	309801	26.74	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	106.96%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	160379	23.456	ug/L	97
3) Chloromethane	2.21	50	359649	22.946	ug/L	100
5) Vinyl chloride	2.36	62	463881	22.875	ug/L	99
6) Bromomethane	2.78	94	202629	22.257	ug/L	99
8) Chloroethane	2.92	64	256784	23.271	ug/L	98
9) Trichlorofluoromethane	3.26	101	201111	22.005	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	291108	23.127	ug/L	99
12) 1,1-Dichloroethene	4.04	96	291020	24.284	ug/L	84
13) Acetone	4.12	43	169711	42.829	ug/L	98
14) Carbon disulfide	4.38	76	1040201	23.195	ug/L	99
15) Methyl Acetate	4.67	43	159278	23.872	ug/L	99
16) Methylene chloride	4.92	84	325206	21.927	ug/L	94
17) Methyl tert-butyl Ether	5.42	73	376526	25.957	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	302421	24.425	ug/L	95
19) 1,1-Dichloroethane	6.21	63	670683	24.287	ug/L	99
21) 2-Butanone	7.16	43	214737	46.085	ug/L	98
22) cis-1,2-Dichloroethene	7.16	96	315400	25.031	ug/L	93

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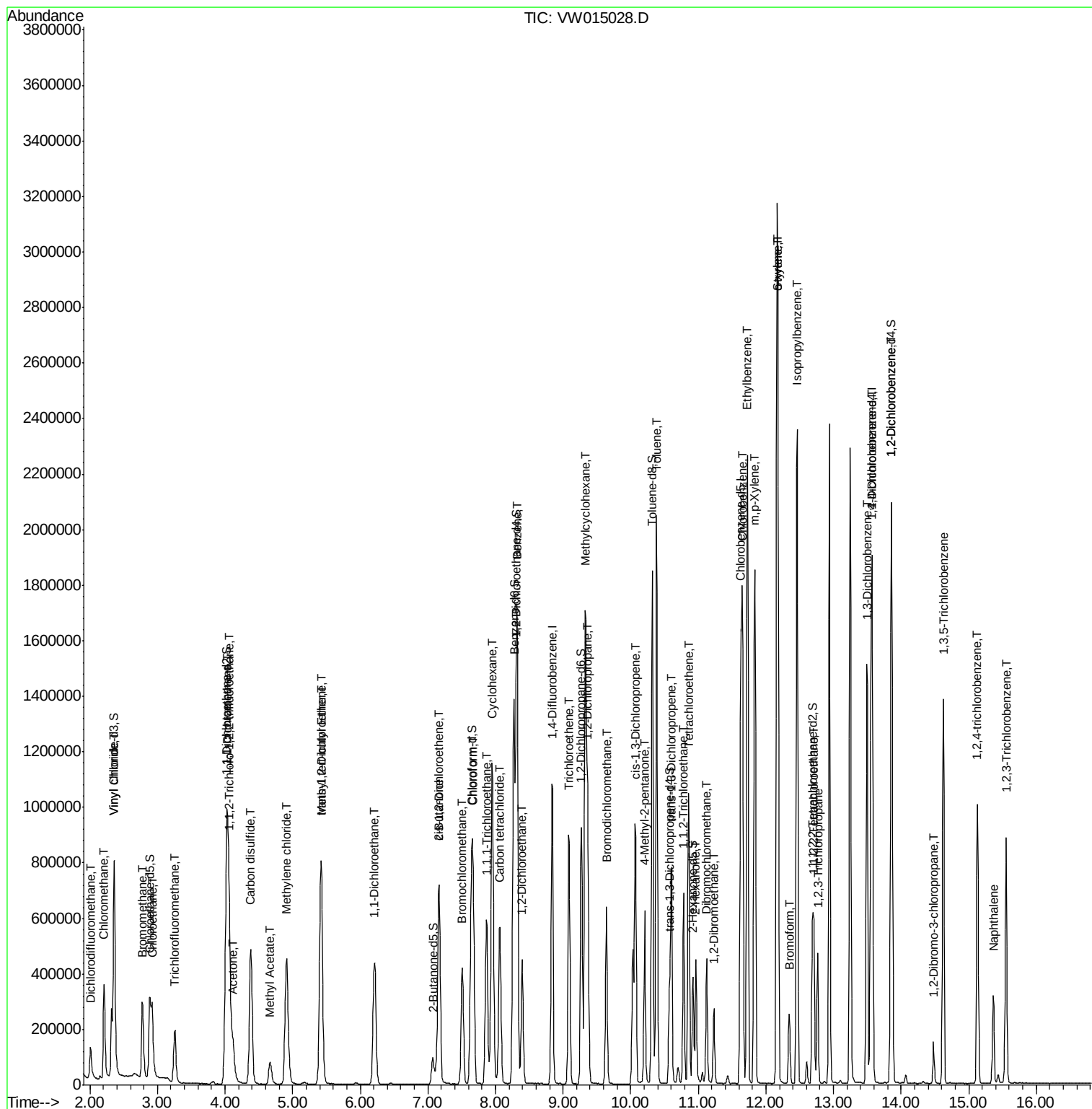
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	116251	23.717	ug/L	95
25) Chloroform	7.67	83	591216	23.592	ug/L	99
27) 1,2-Dichloroethane	8.40	62	409251	23.868	ug/L	99
30) Cyclohexane	7.95	56	661251	27.113	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	461399	24.526	ug/L	99
32) Carbon tetrachloride	8.07	117	407564	24.176	ug/L	100
34) Benzene	8.32	78	1383214	25.491	ug/L	100
35) Trichloroethene	9.09	95	320044	24.382	ug/L	100
36) Methylcyclohexane	9.33	83	608832	27.011	ug/L	99
40) 1,2-Dichloropropane	9.37	63	376036	24.951	ug/L	100
41) Bromodichloromethane	9.64	83	409817	24.242	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	516932	26.322	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	427341	50.697	ug/L	99
44) Toluene	10.38	91	1384922	26.279	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	409994	25.830	ug/L	99
46) 1,1,2-Trichloroethane	10.78	97	202047	23.824	ug/L	98
47) Tetrachloroethene	10.86	164	207318	24.506	ug/L	99
49) 2-Hexanone	10.96	43	308427	50.470	ug/L	99
50) Dibromochloromethane	11.12	129	220982	24.484	ug/L	94
51) 1,2-Dibromoethane	11.23	107	181496	24.556	ug/L	96
52) Chlorobenzene	11.65	112	769112	24.812	ug/L	98
53) Ethylbenzene	11.73	91	1515395	26.323	ug/L	99
54) m,p-Xylene	11.83	106	538980	26.759	ug/L	98
55) o-xylene	12.16	106	505110	26.914	ug/L	96
56) Styrene	12.18	104	873760	27.182	ug/L	98
57) Isopropylbenzene	12.46	105	1389514	27.186	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	254852	23.817	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	194851	23.691	ug/L	100
62) Bromoform	12.35	173	105793	23.801	ug/L	100
63) 1,3-Dichlorobenzene	13.49	146	531878	25.782	ug/L	99
64) 1,4-Dichlorobenzene	13.57	146	525011	24.718	ug/L	96
65) 1,2-Dichlorobenzene	13.86	146	474039	25.372	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.48	75	39817	24.139	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	375345	27.132	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	281447	27.837	ug/L	99
69) Naphthalene	15.36	128	247362	27.559	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	250415	27.594	ug/L	99

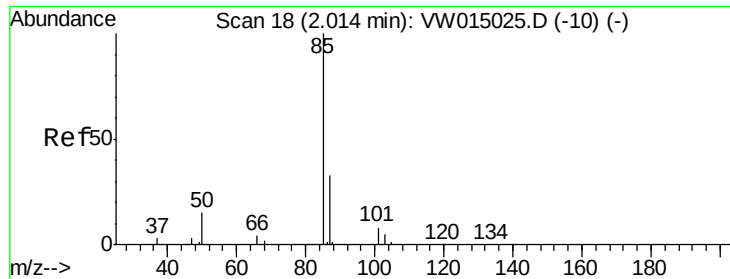
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 23.456 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW015028.D

Acq: 24 Feb 2020 12:42

Instrument :

MSVOA_W

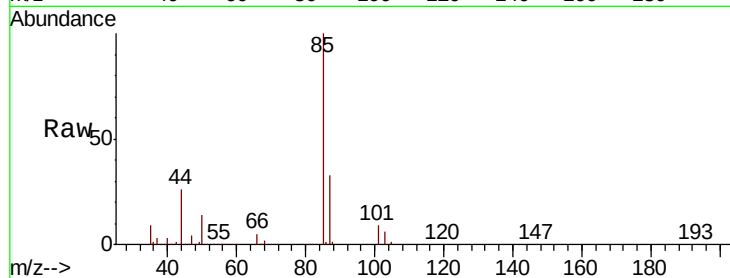
ClientSampleId :

Tot Ion: 85 Resp: 160379

Ion Ratio Lower Upper

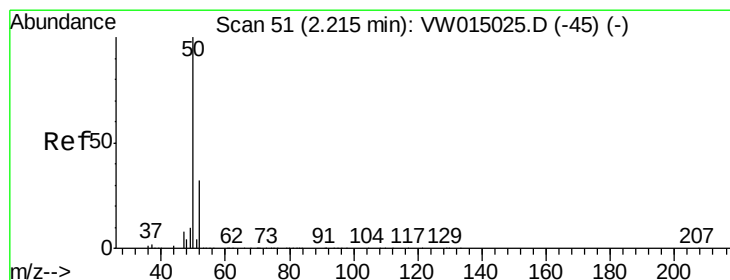
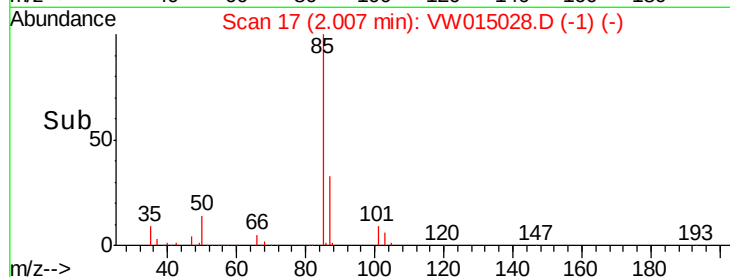
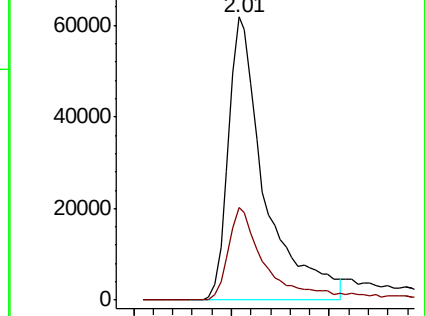
85 100

87 30.0 22.0 41.0



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 22.946 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW015028.D

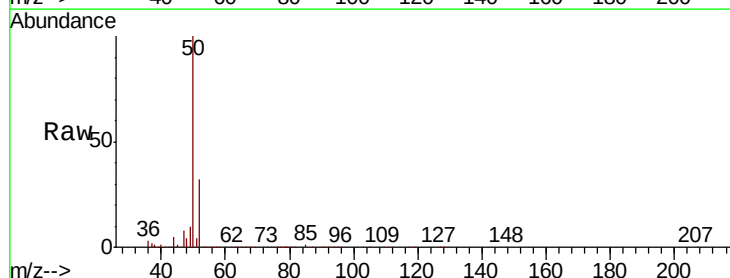
Acq: 24 Feb 2020 12:42

Tgt Ion: 50 Resp: 359649

Ion Ratio Lower Upper

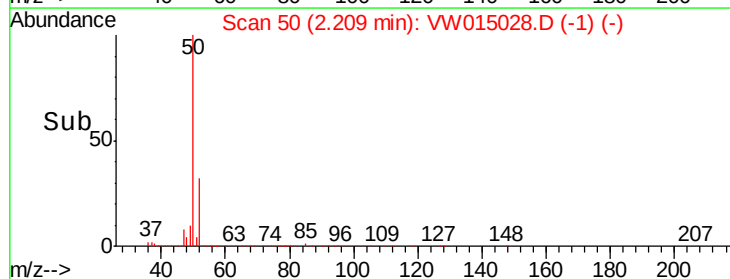
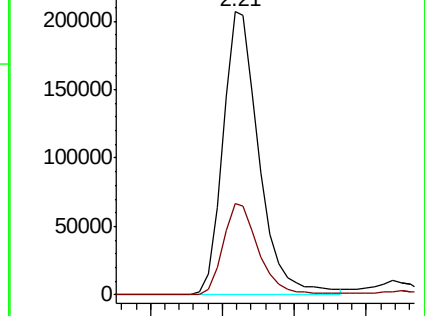
50 100

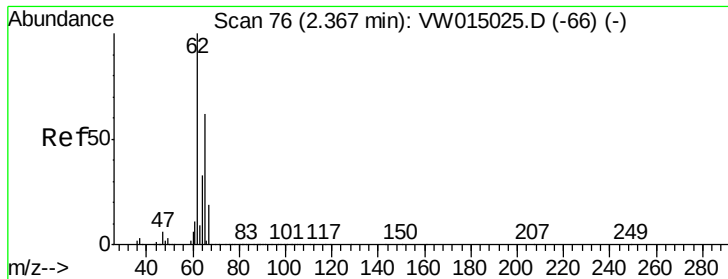
52 32.1 22.3 41.5



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 22.875 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW015028.D

Acq: 24 Feb 2020 12:42

Instrument :

MSVOA_W

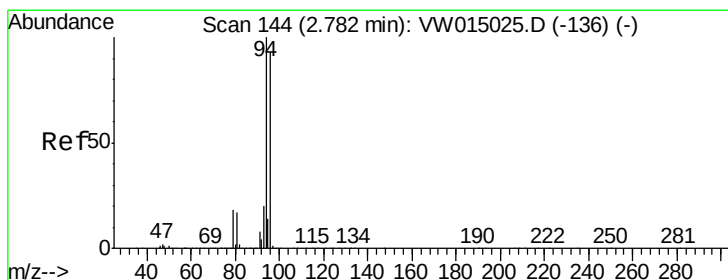
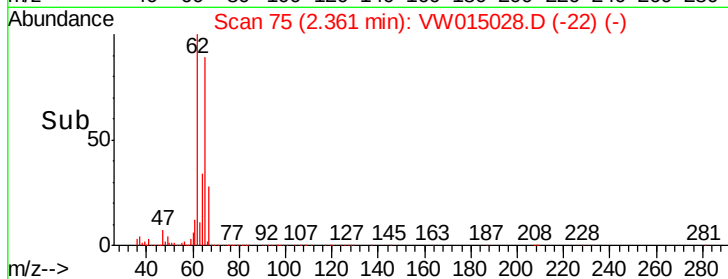
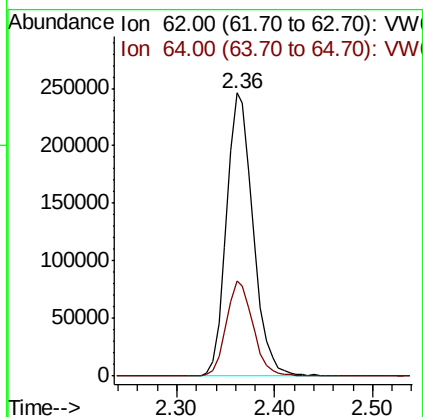
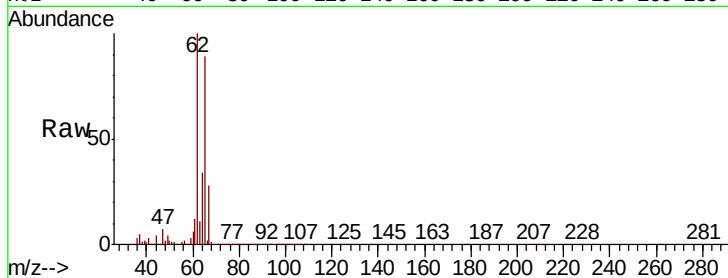
ClientSampled :

Tot Ion: 62 Resp: 463881

Ion Ratio Lower Upper

62 100

64 33.6 23.0 42.8



#6

Bromomethane

Concen: 22.257 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW015028.D

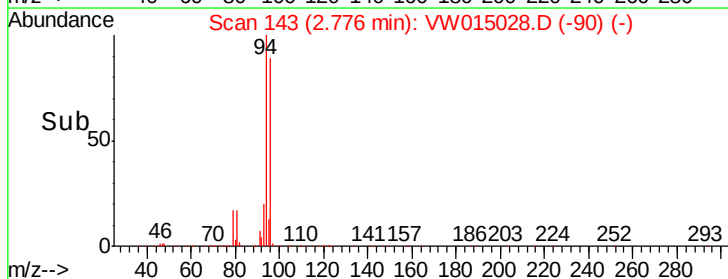
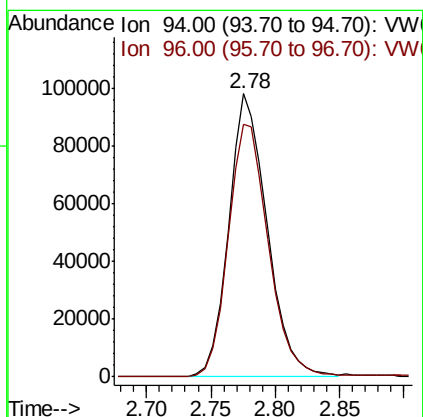
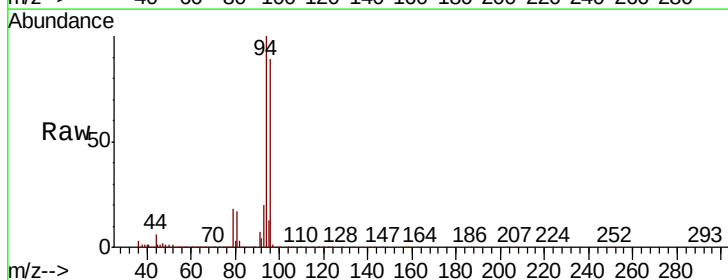
Acq: 24 Feb 2020 12:42

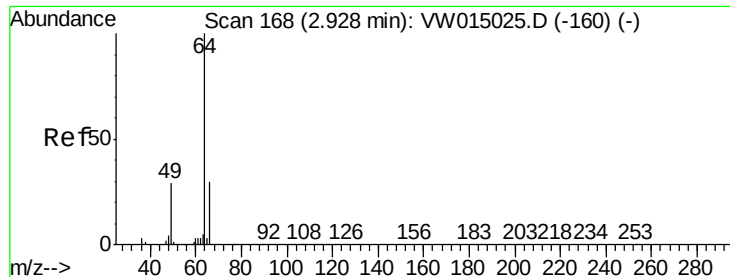
Tgt Ion: 94 Resp: 202629

Ion Ratio Lower Upper

94 100

96 93.6 9.5 179.7





#8

Chloroethane

Concen: 23.271 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW015028.D

Acq: 24 Feb 2020 12:42

Instrument :

MSVOA_W

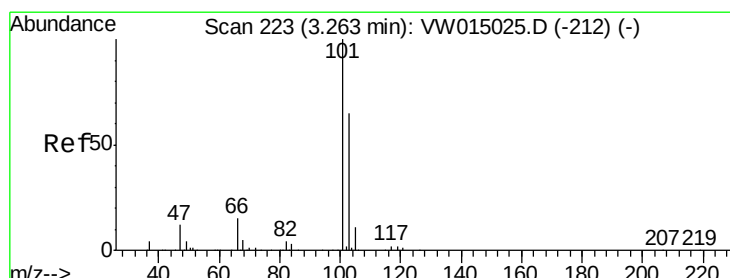
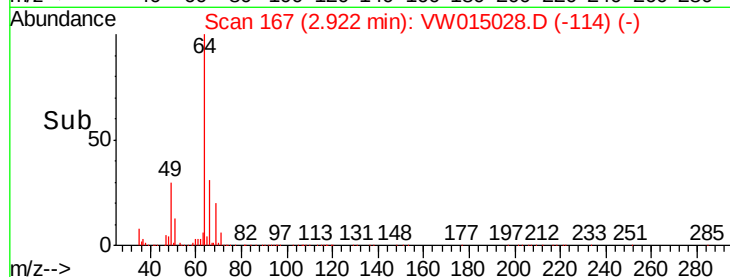
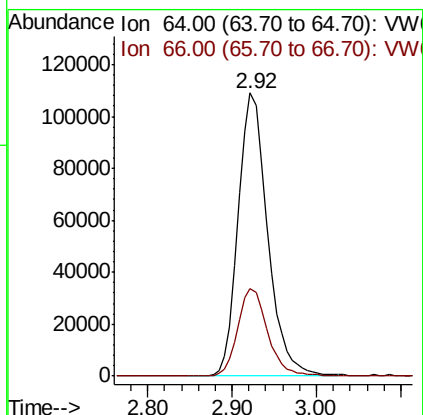
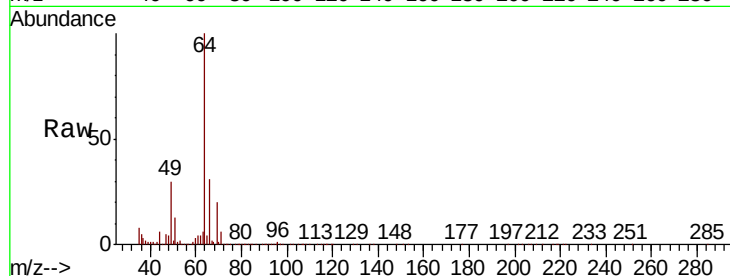
ClientSampleId :

Tot Ion: 64 Resp: 256784

Ion Ratio Lower Upper

64 100

66 31.2 21.2 39.4



#9

Trichlorofluoromethane

Concen: 22.005 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.01 min

Lab File: VW015028.D

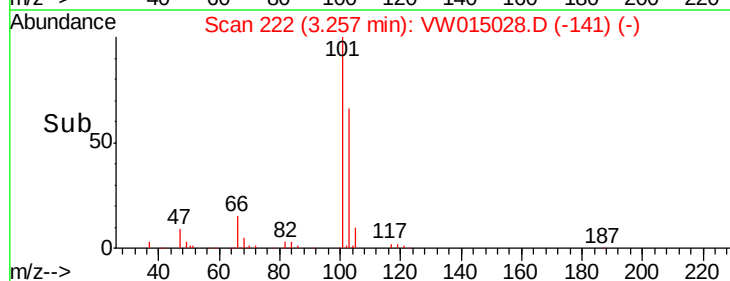
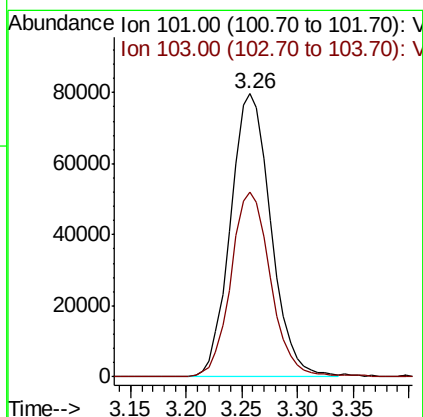
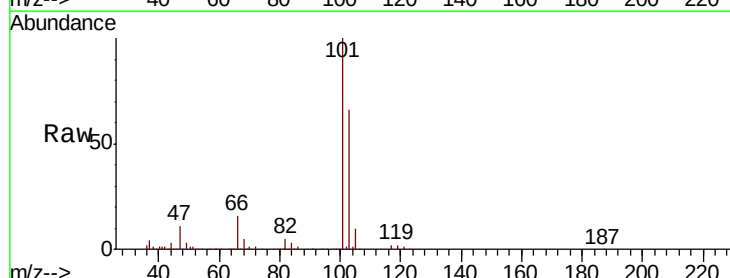
Acq: 24 Feb 2020 12:42

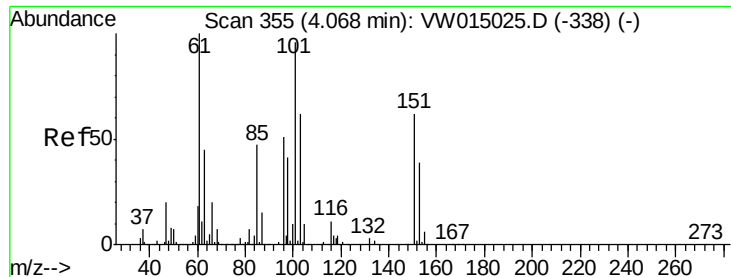
Tgt Ion: 101 Resp: 201111

Ion Ratio Lower Upper

101 100

103 64.1 44.9 83.5





#11

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

Concen: 23.127 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW015028.D

Acq: 24 Feb 2020 12:42

Instrument :

MSVOA_W

ClientSampled :

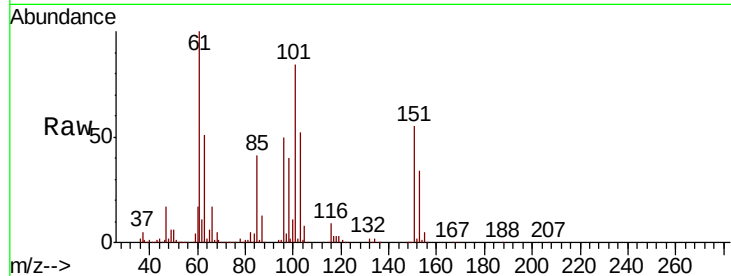
Tot Ion:101 Resp: 291108

Ion Ratio Lower Upper

101 100

85 47.5 37.8 56.8

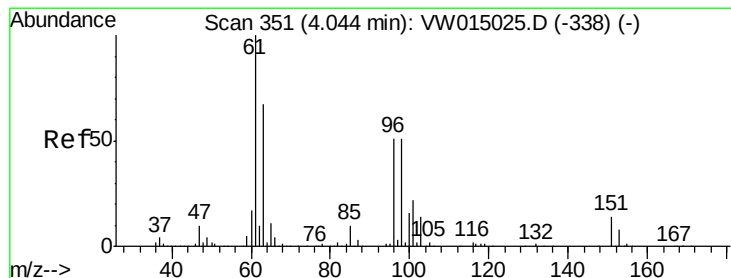
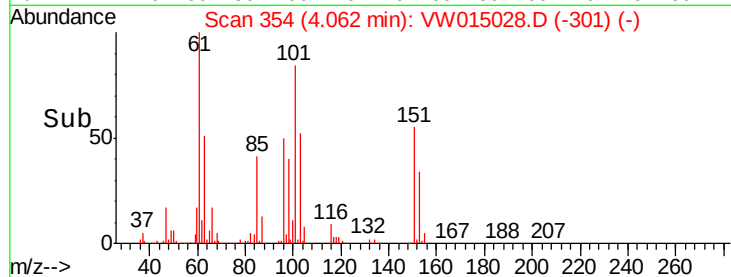
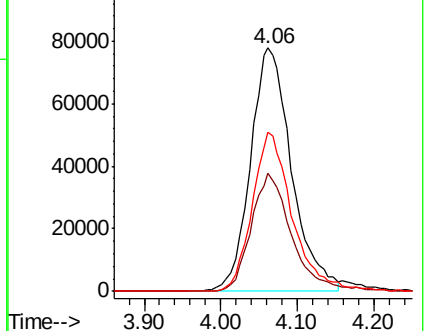
151 63.9 50.3 75.5



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: 24.284 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

Lab File: VW015028.D

Acq: 24 Feb 2020 12:42

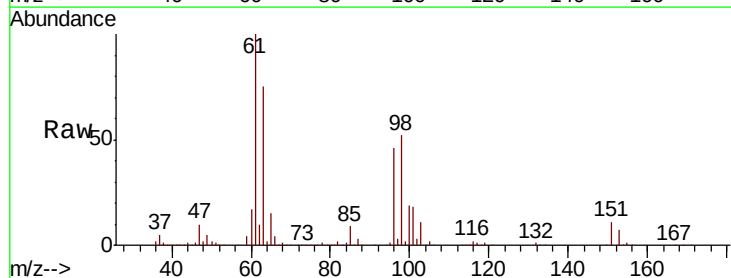
Tgt Ion: 96 Resp: 291020

Ion Ratio Lower Upper

96 100

61 215.3 138.5 257.1

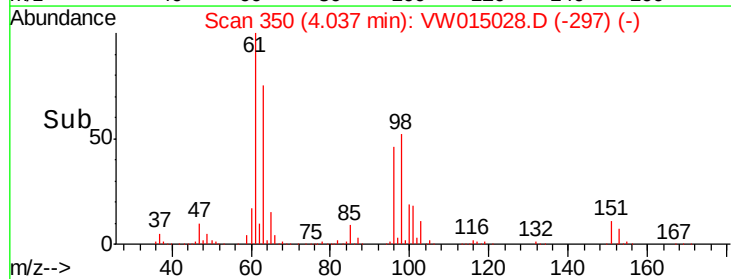
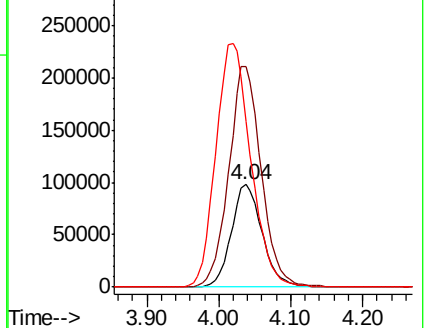
63 161.1 93.4 173.6

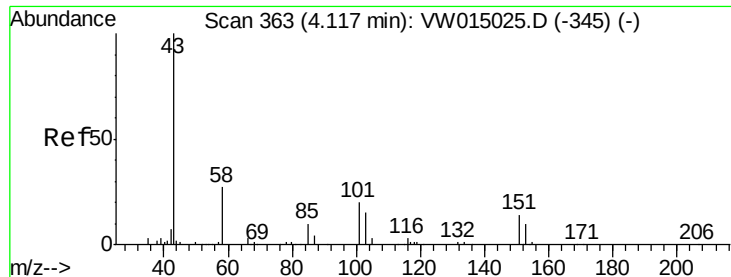


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 42.829 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW015028.D

Acq: 24 Feb 2020 12:42

Instrument :

MSVOA_W

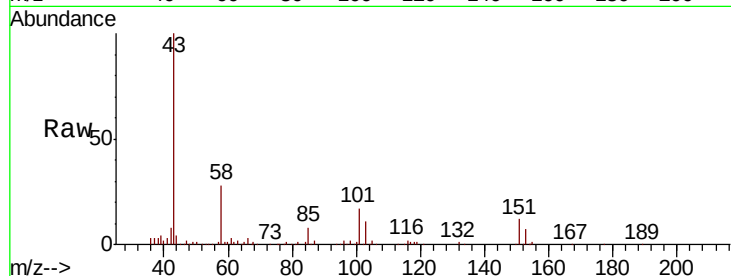
ClientSampled :

Tot Ion: 43 Resp: 169711

Ion Ratio Lower Upper

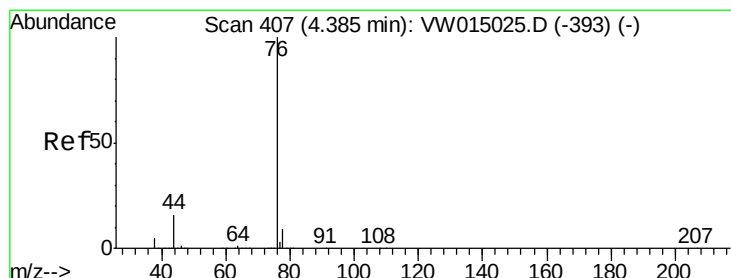
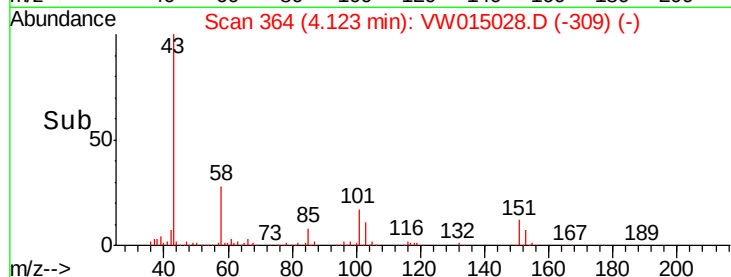
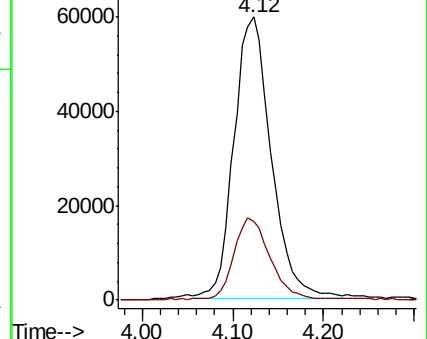
43 100

58 28.2 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: 23.195 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW015028.D

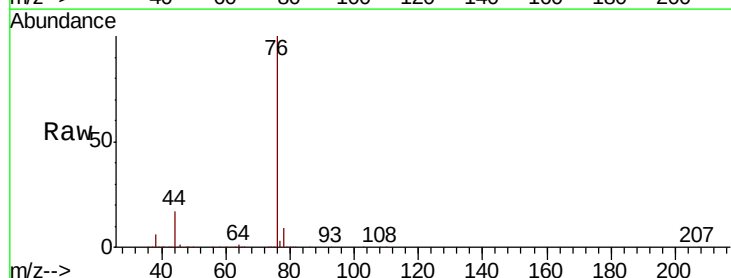
Acq: 24 Feb 2020 12:42

Tgt Ion: 76 Resp: 1040201

Ion Ratio Lower Upper

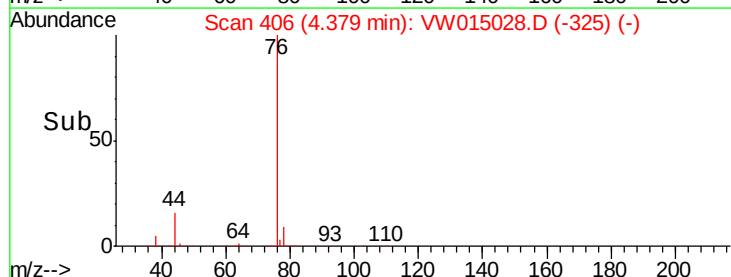
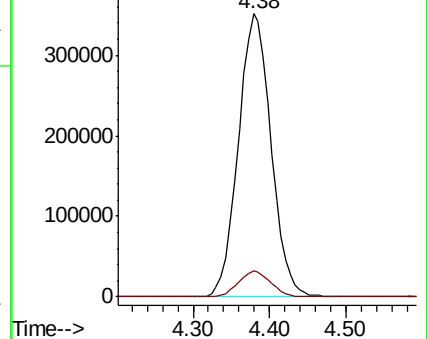
76 100

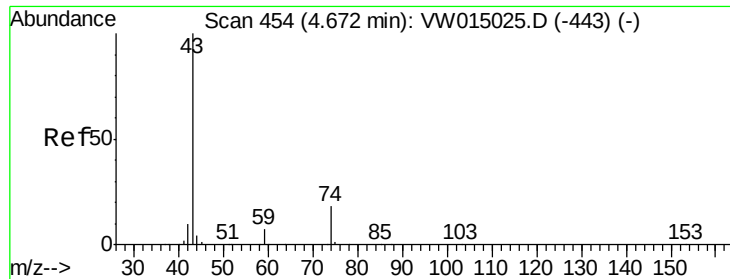
78 9.3 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

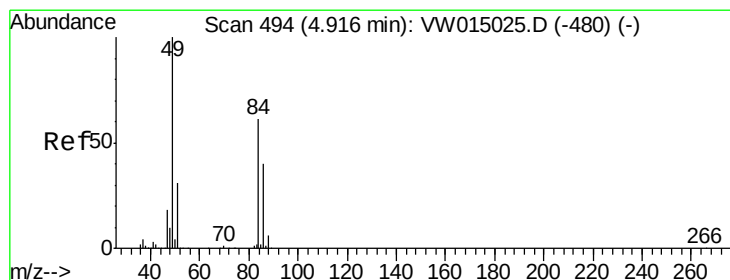
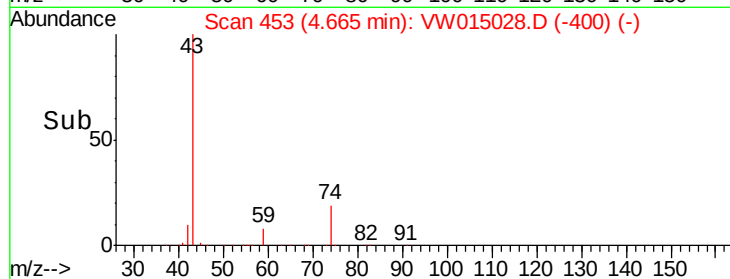
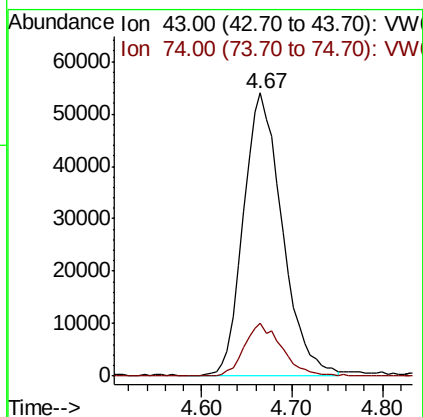
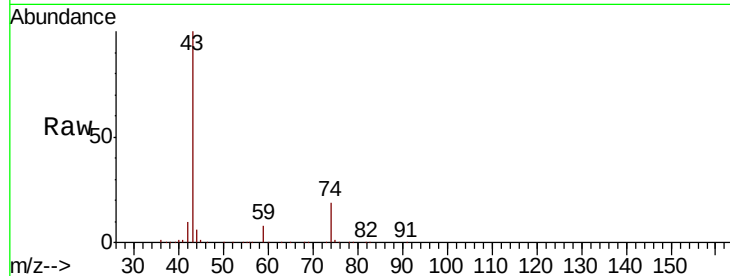




#15
Methyl Acetate
Concen: 23.872 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW015028.D
Acq: 24 Feb 2020 12:42

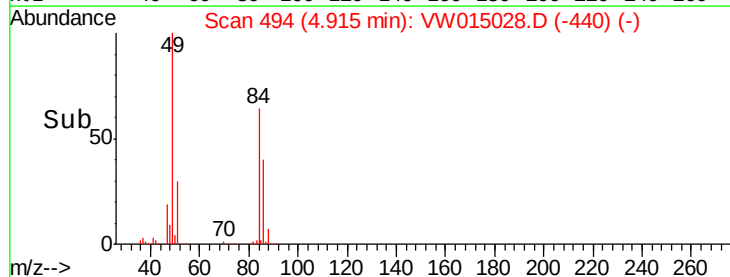
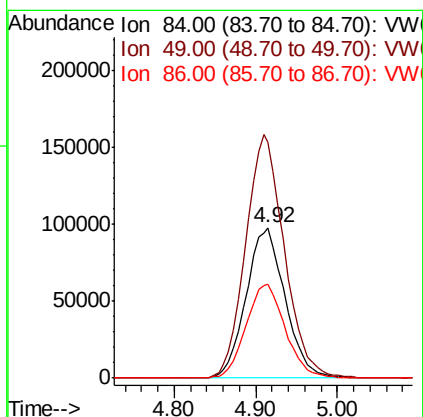
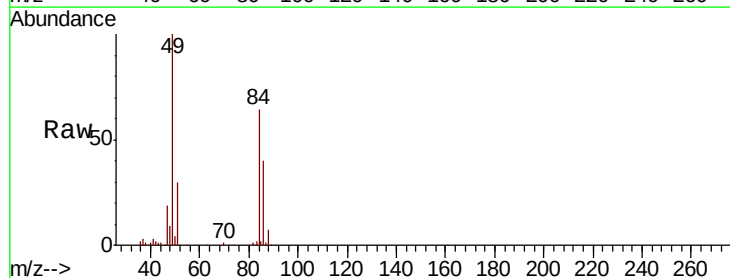
Instrument :
MSVOA_W
ClientSampled :

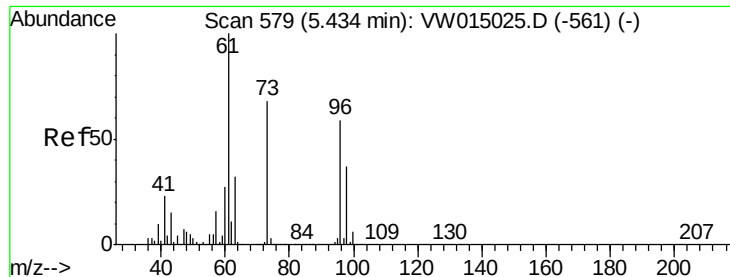
Tot Ion: 43 Resp: 159278
Ion Ratio Lower Upper
43 100
74 17.9 14.5 21.7



#16
Methylene chloride
Concen: 21.927 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW015028.D
Acq: 24 Feb 2020 12:42

Tgt Ion: 84 Resp: 325206
Ion Ratio Lower Upper
84 100
49 156.8 115.6 214.8
86 62.1 45.9 85.3

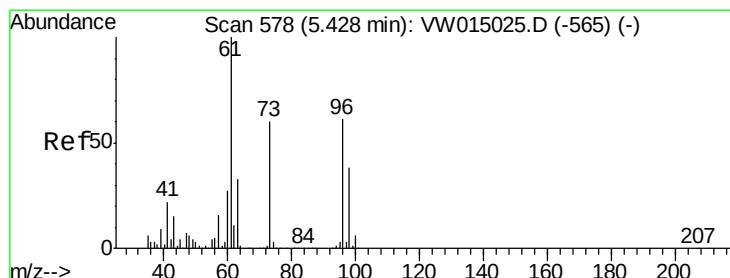
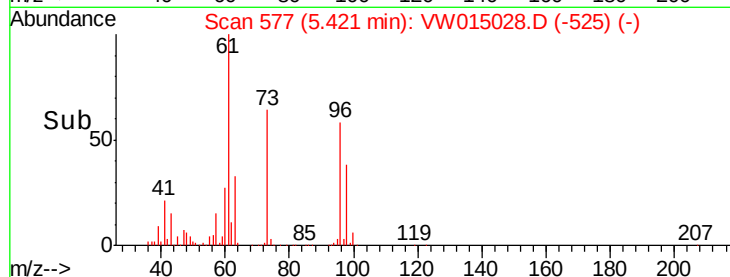
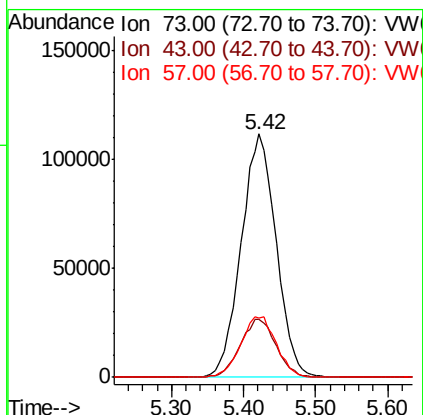
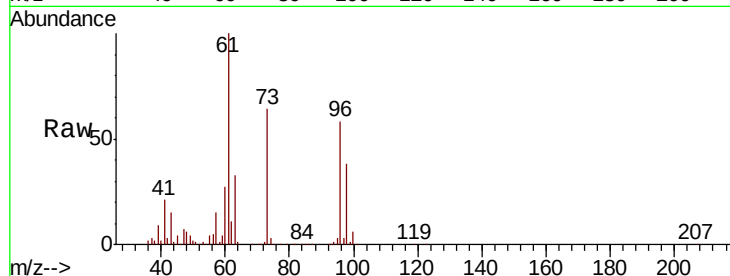




#17
Methyl tert-butyl Ether
Concen: 25.957 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW015028.D
Acq: 24 Feb 2020 12:42

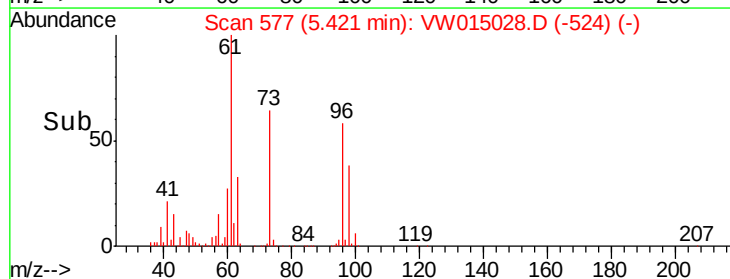
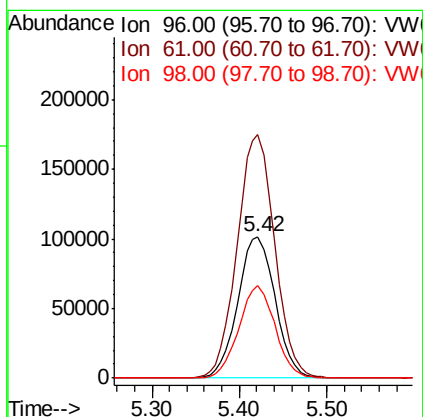
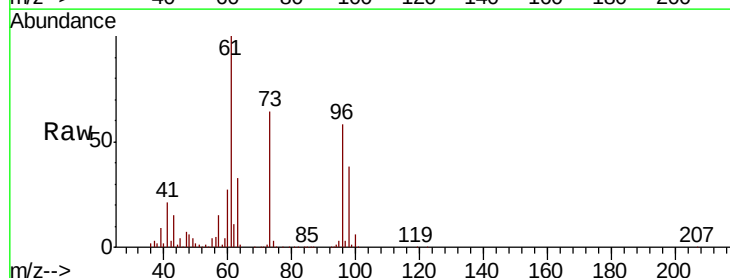
Instrument :
MSVOA_W
ClientSampled :

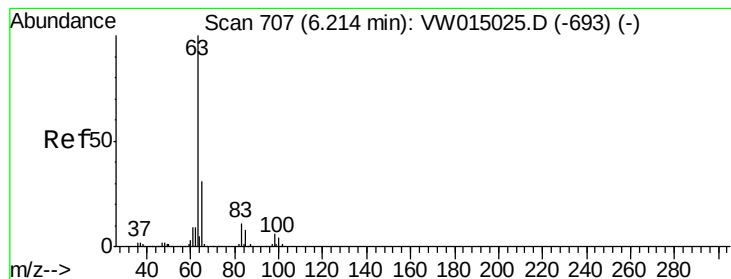
Tot Ion: 73 Resp: 376526
Ion Ratio Lower Upper
73 100
43 24.1 19.7 29.5
57 25.3 20.4 30.6



#18
trans-1,2-Dichloroethene
Concen: 24.425 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW015028.D
Acq: 24 Feb 2020 12:42

Tgt Ion: 96 Resp: 302421
Ion Ratio Lower Upper
96 100
61 172.1 115.1 213.8
98 65.2 44.0 81.6





#19

1,1-Dichloroethane

Concen: 24.287 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW015028.D

Acq: 24 Feb 2020 12:42

Instrument :

MSVOA_W

ClientSampleId :

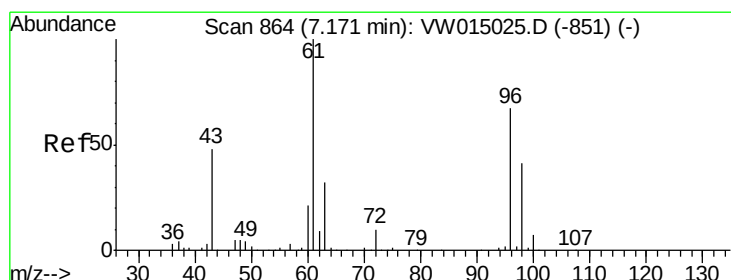
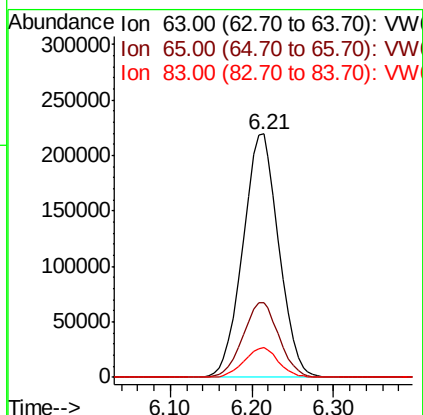
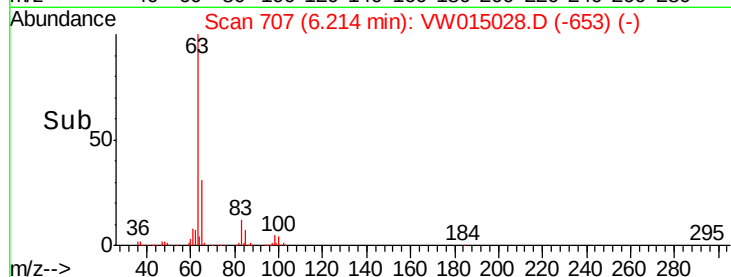
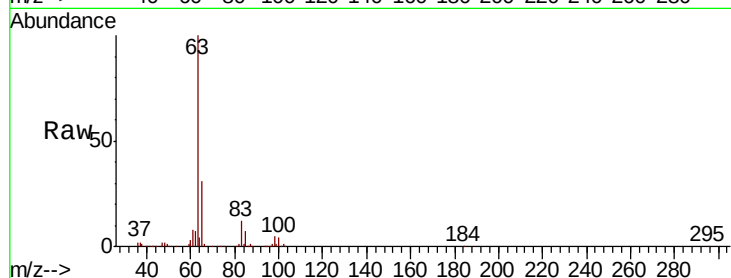
Tot Ion: 63 Resp: 670683

Ion Ratio Lower Upper

63 100

65 30.9 21.9 40.7

83 12.2 7.8 14.6



#21

2-Butanone

Concen: 46.085 ug/L

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW015028.D

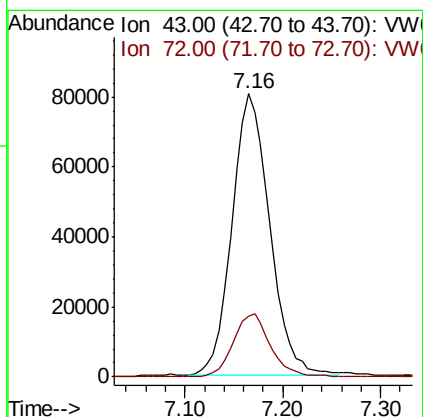
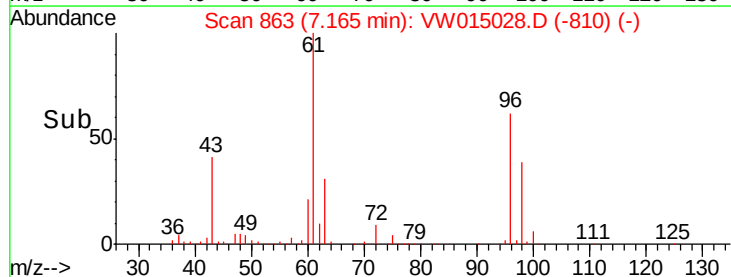
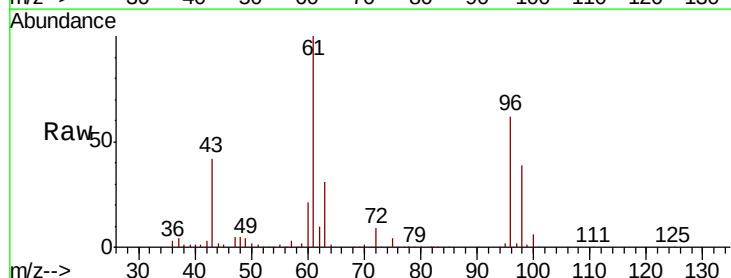
Acq: 24 Feb 2020 12:42

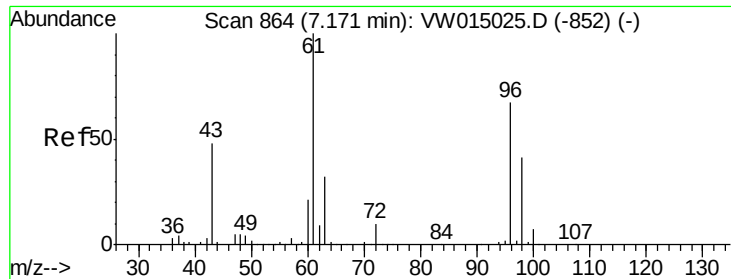
Tgt Ion: 43 Resp: 214737

Ion Ratio Lower Upper

43 100

72 22.0 10.4 31.4



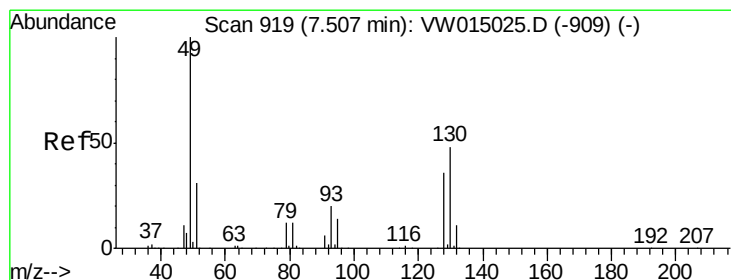
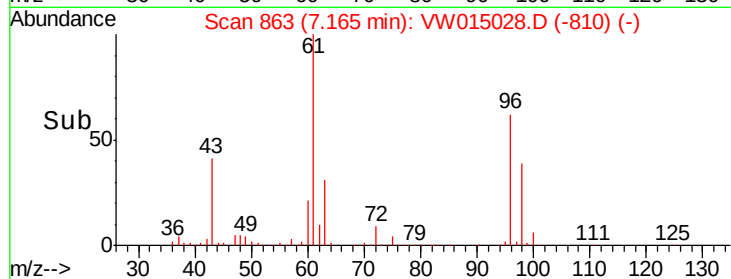
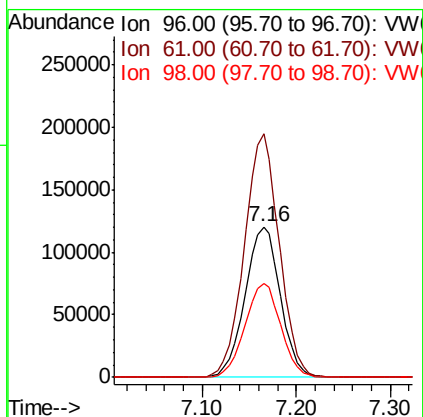
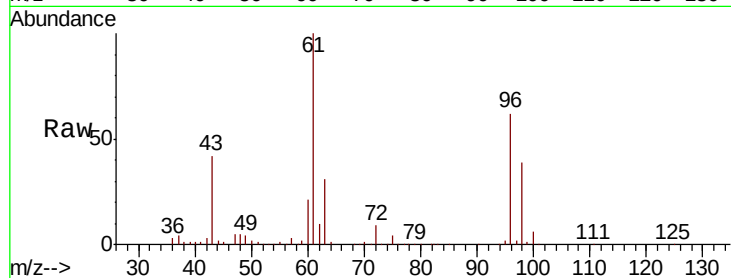


#22

cis-1,2-Dichloroethene
 Concen: 25.031 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW015028.D
 Acq: 24 Feb 2020 12:42

Instrument :
 MSVOA_W
 ClientSampled :

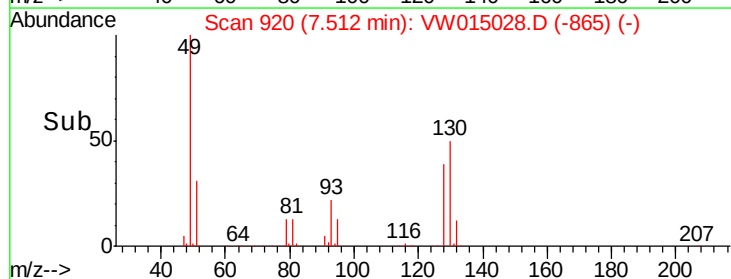
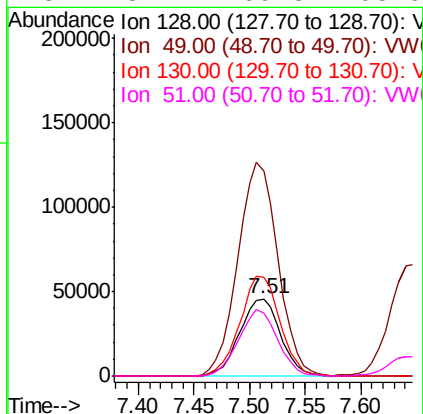
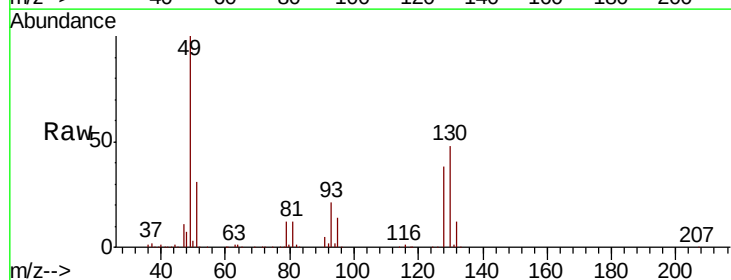
Tot Ion	Ratio	Lower	Upper
96	100		
61	161.7	105.2	195.4
98	62.5	42.6	79.2

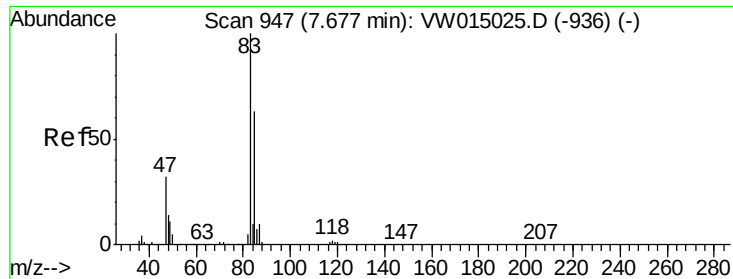


#23

Bromochloromethane
 Concen: 23.717 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VW015028.D
 Acq: 24 Feb 2020 12:42

Tgt Ion	Ratio	Lower	Upper
128	100		
49	265.2	192.7	357.9
130	127.6	92.7	172.1
51	81.4	69.3	103.9

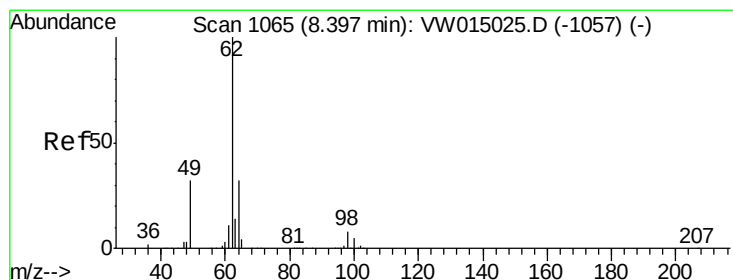
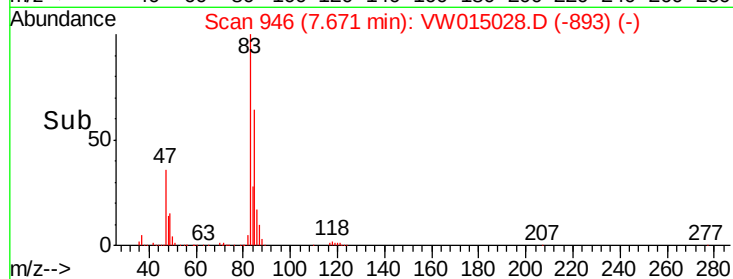
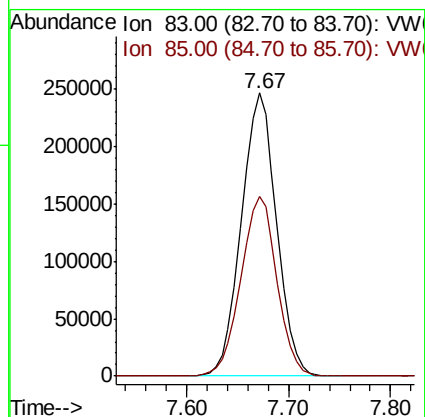
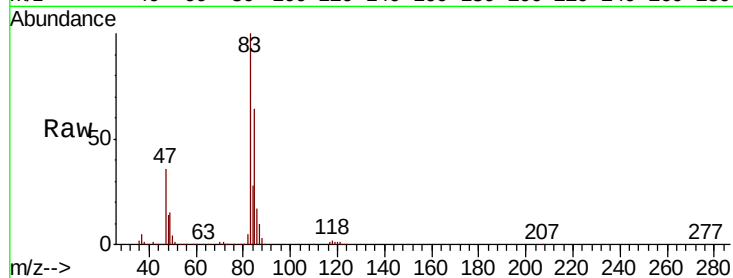




#25
Chloroform
Concen: 23.592 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW015028.D
Acq: 24 Feb 2020 12:42

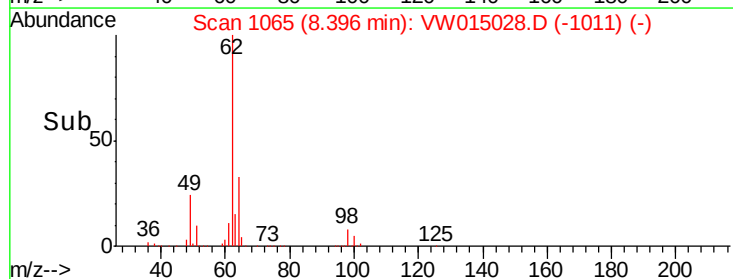
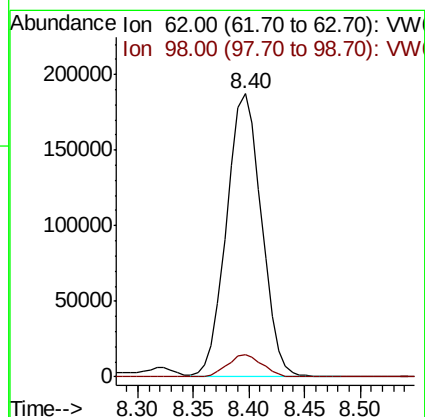
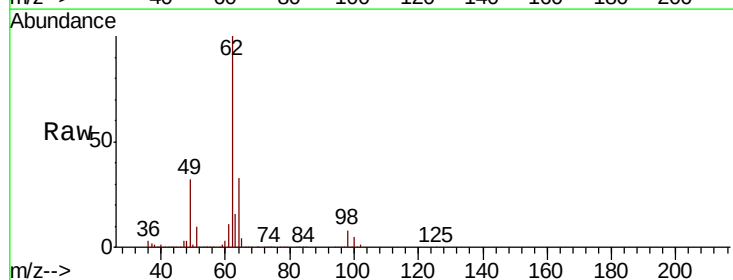
Instrument :
MSVOA_W
ClientSampled :

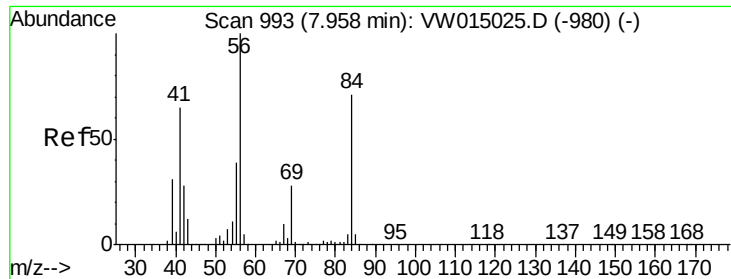
Tot Ion: 83 Resp: 591216
Ion Ratio Lower Upper
83 100
85 65.1 44.9 83.5



#27
1,2-Dichloroethane
Concen: 23.868 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW015028.D
Acq: 24 Feb 2020 12:42

Tgt Ion: 62 Resp: 409251
Ion Ratio Lower Upper
62 100
98 7.8 6.5 9.7

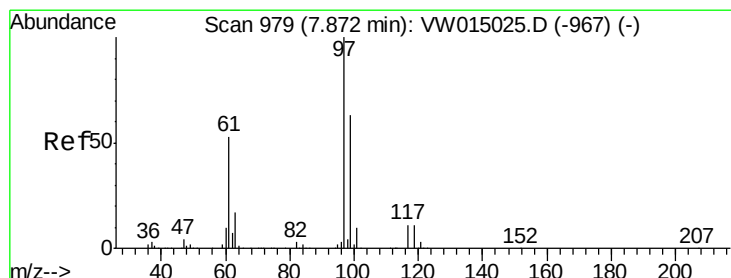
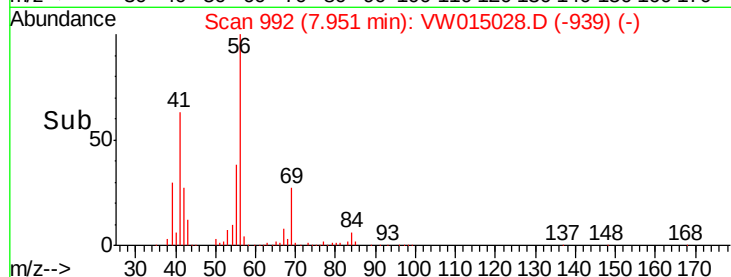
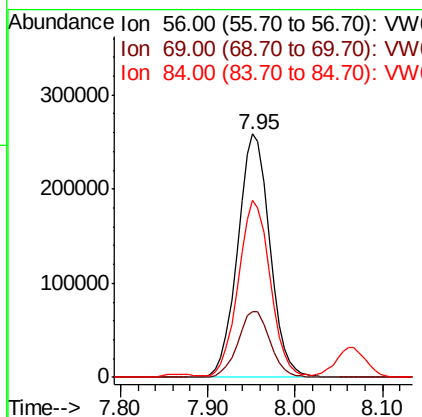
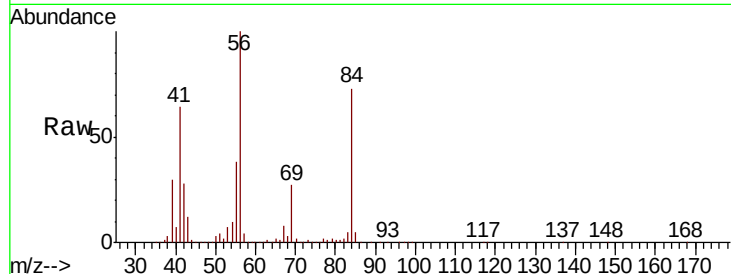




#30
Cyclohexane
Concen: 27.113 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW015028.D
Acq: 24 Feb 2020 12:42

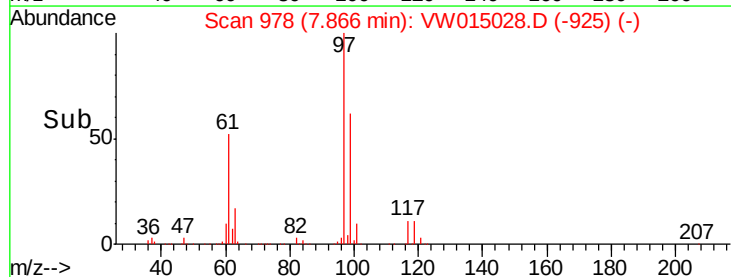
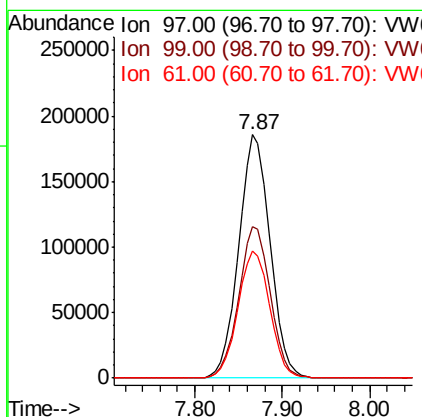
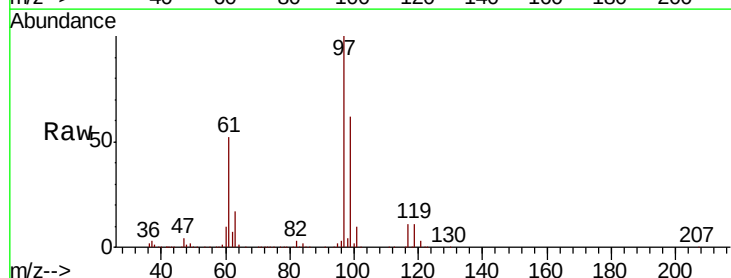
Instrument :
MSVOA_W
ClientSampleId :

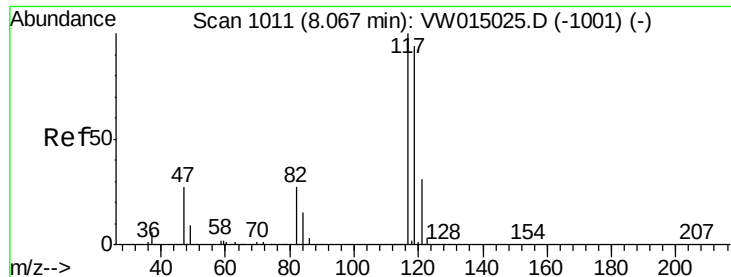
Tot Ion: 56 Resp: 661251
Ion Ratio Lower Upper
56 100
69 27.1 21.8 32.6
84 72.3 57.3 85.9



#31
1,1,1-Trichloroethane
Concen: 24.526 ug/L
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW015028.D
Acq: 24 Feb 2020 12:42

Tgt Ion: 97 Resp: 461399
Ion Ratio Lower Upper
97 100
99 62.7 50.6 76.0
61 53.3 43.1 64.7





#32

Carbon tetrachloride

Concen: 24.176 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW015028.D

Acq: 24 Feb 2020 12:42

Instrument :

MSVOA_W

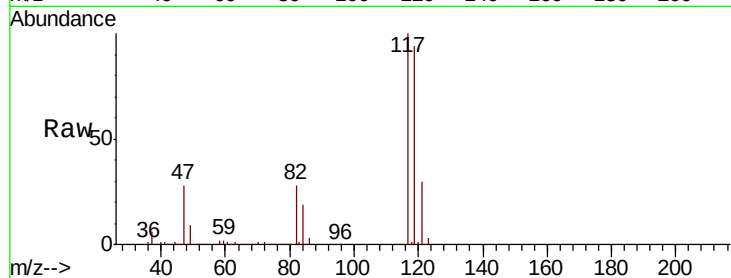
ClientSampleId :

Tot Ion:117 Resp: 407564

Ion Ratio Lower Upper

117 100

119 95.4 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

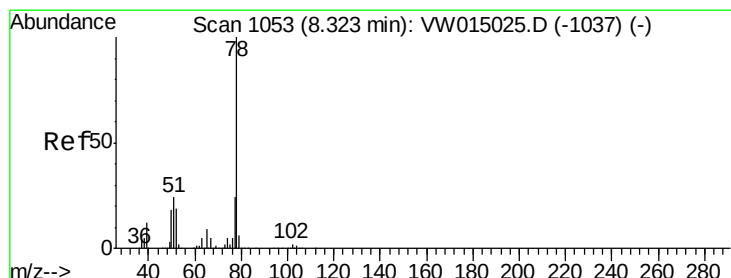
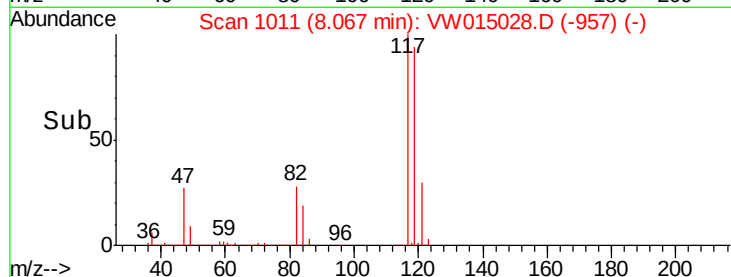
150000

100000

50000

0

Time-->



#34

Benzene

Concen: 25.491 ug/L

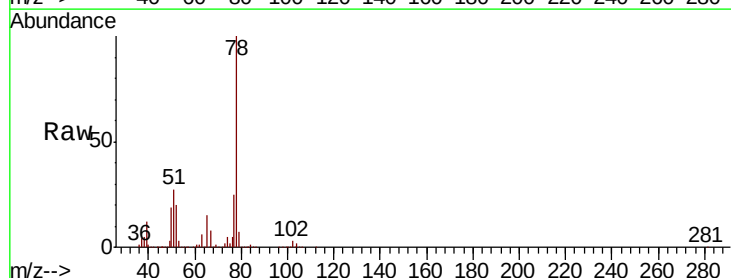
RT: 8.32 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VW015028.D

Acq: 24 Feb 2020 12:42

Tgt Ion: 78 Resp: 1383214



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

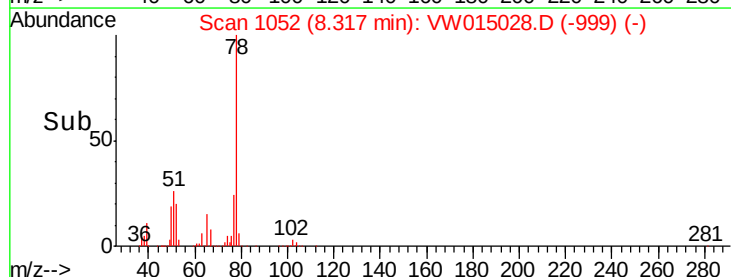
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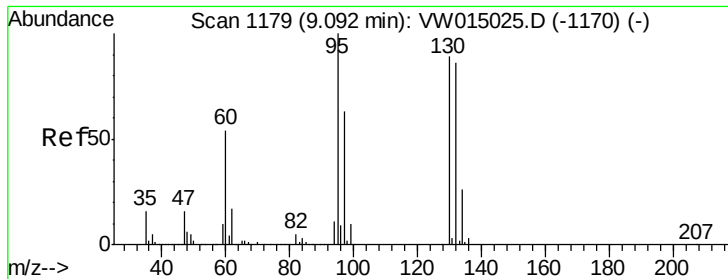
400000

200000

0

Time-->

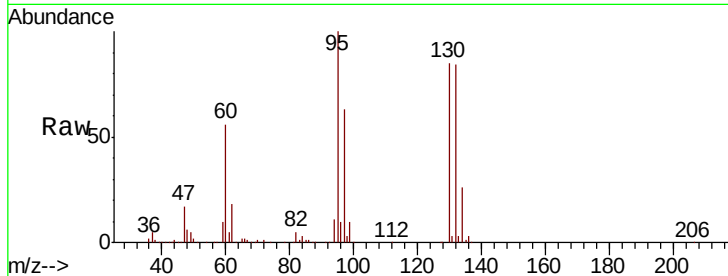




#35
 Trichloroethene
 Concen: 24.382 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: VW015028.D
 Acq: 24 Feb 2020 12:42

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion	95	Resp	320044
Ion	Ratio	Lower	Upper
95	100		
97	64.3	44.7	83.1
132	83.4	58.1	107.9
130	88.4	62.0	115.2



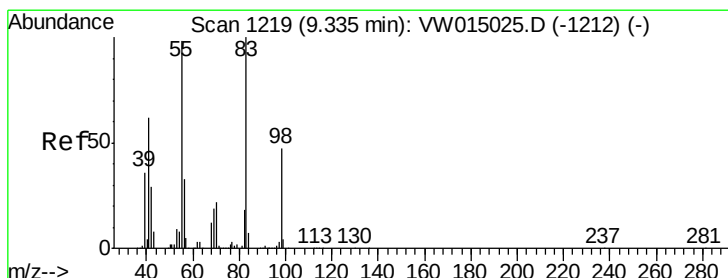
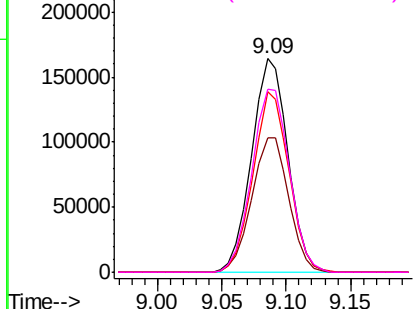
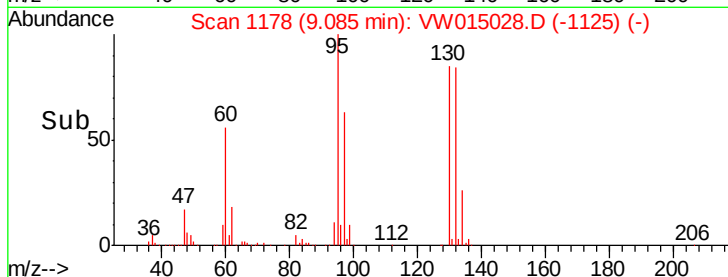
Abundance

Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

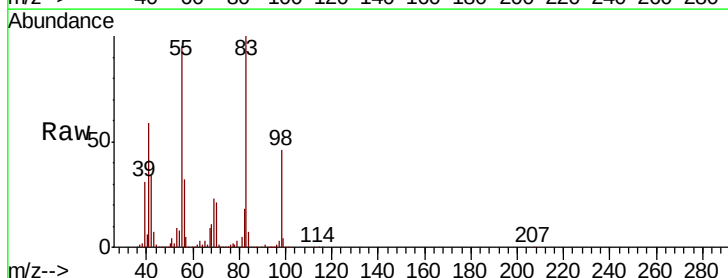
Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36
 Methylcyclohexane
 Concen: 27.011 ug/L
 RT: 9.33 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VW015028.D
 Acq: 24 Feb 2020 12:42

Tgt Ion	83	Resp	608832
Ion	Ratio	Lower	Upper
83	100		
55	94.3	76.6	115.0
98	45.2	36.6	54.8

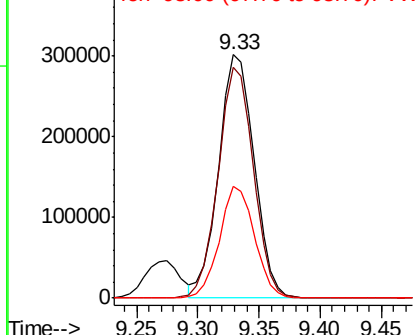
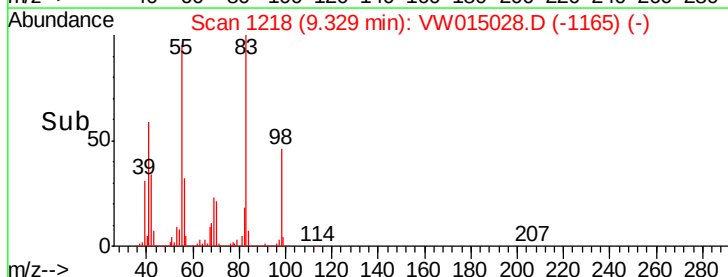


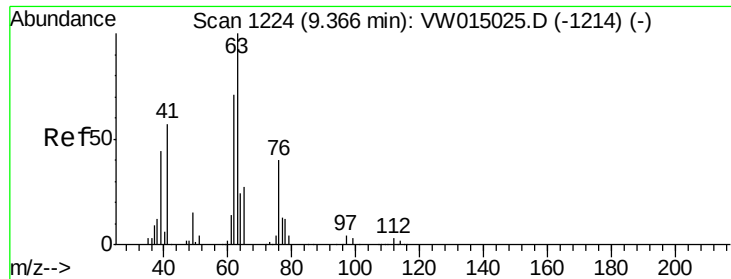
Abundance

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

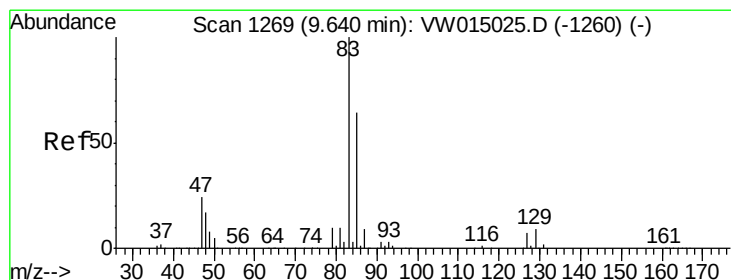
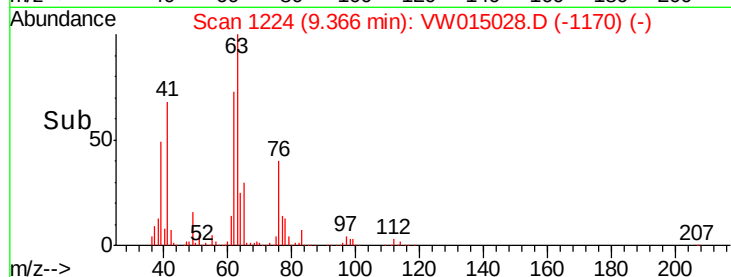
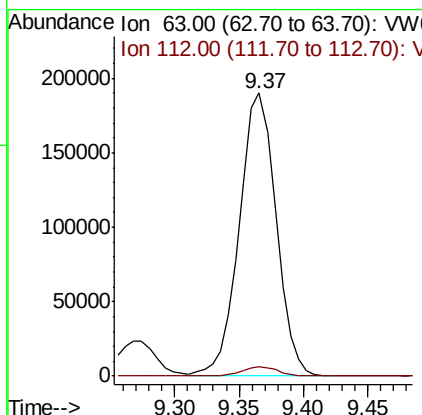
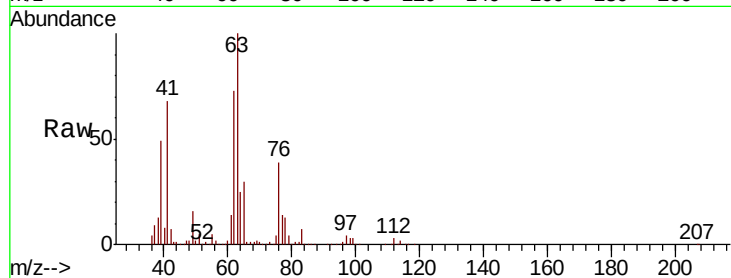




#40
 1,2-Dichloropropane
 Concen: 24.951 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW015028.D
 Acq: 24 Feb 2020 12:42

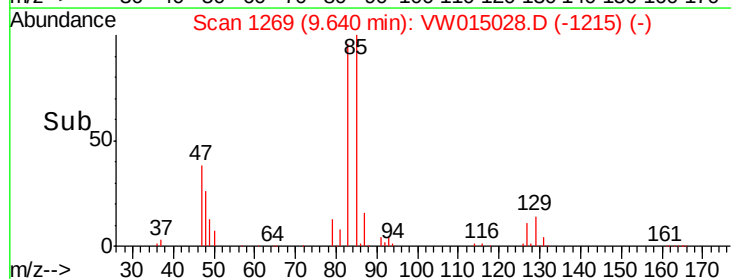
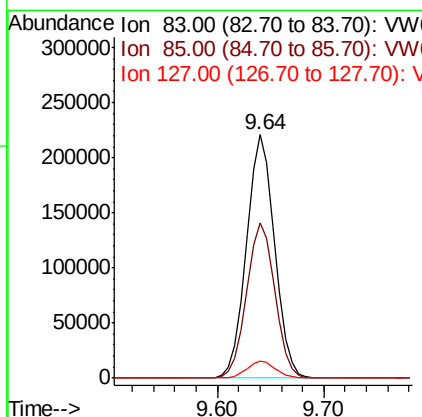
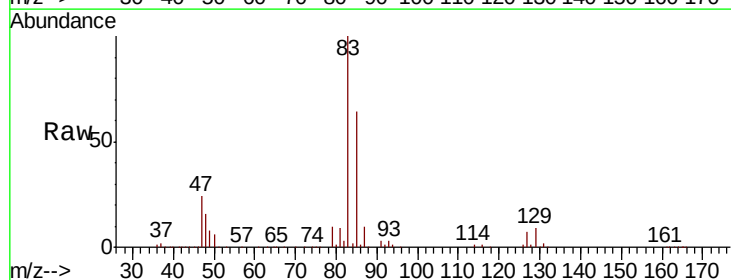
Instrument :
 MSVOA_W
 ClientSampled :

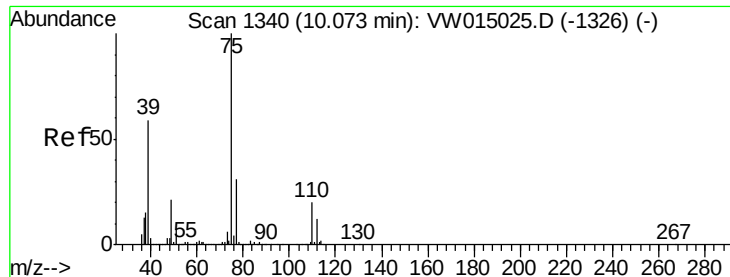
Tot Ion: 63 Resp: 376036
 Ion Ratio Lower Upper
 63 100
 112 3.4 2.8 4.2



#41
 Bromodichloromethane
 Concen: 24.242 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW015028.D
 Acq: 24 Feb 2020 12:42

Tgt Ion: 83 Resp: 409817
 Ion Ratio Lower Upper
 83 100
 85 63.5 44.7 83.1
 127 6.8 5.4 8.0





#42

cis-1,3-Dichloropropene

Concen: 26.322 ug/L

RT: 10.07 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VW015028.D

Acq: 24 Feb 2020 12:42

Instrument :

MSVOA_W

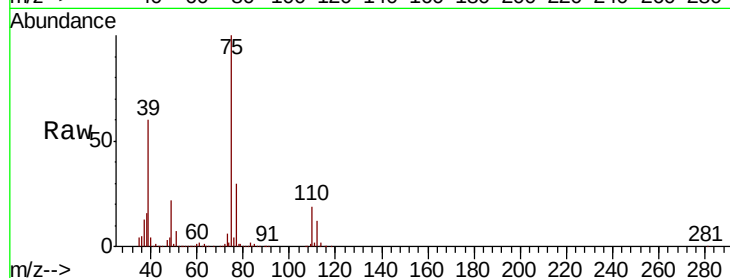
ClientSampled :

Tot Ion: 75 Resp: 516932

Ion Ratio Lower Upper

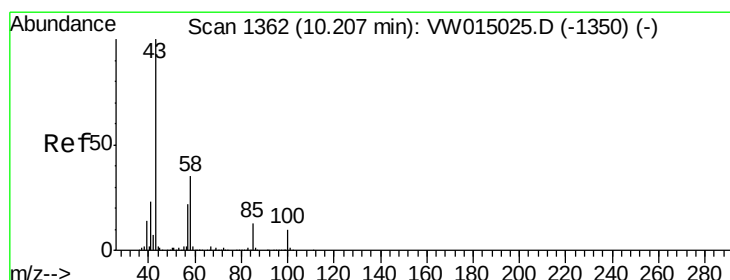
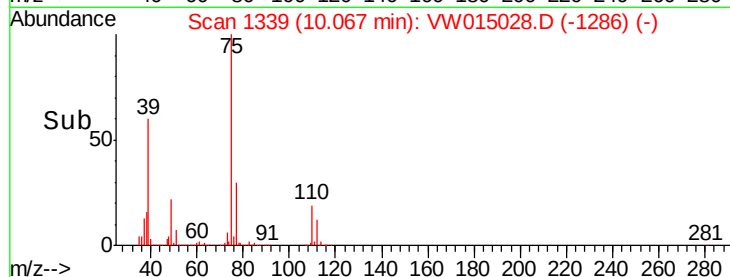
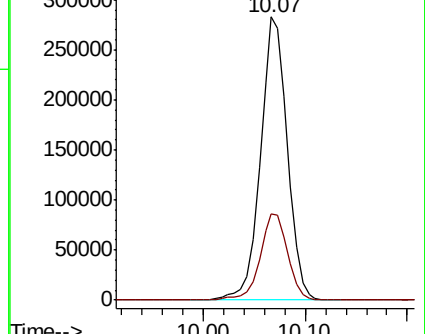
75 100

77 30.3 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: 50.697 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW015028.D

Acq: 24 Feb 2020 12:42

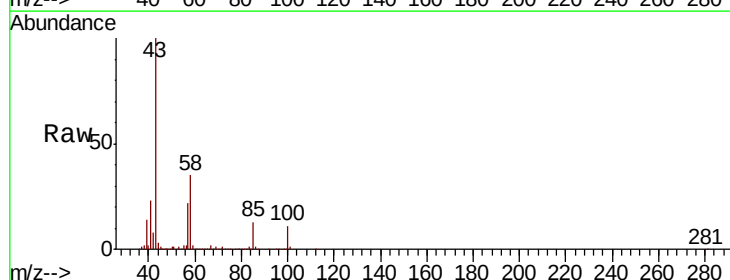
Tgt Ion: 43 Resp: 427341

Ion Ratio Lower Upper

43 100

58 34.8 27.6 41.4

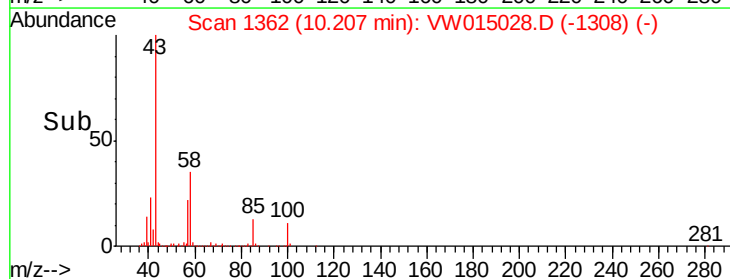
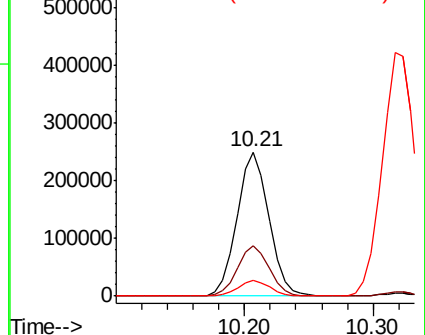
100 10.6 8.6 13.0

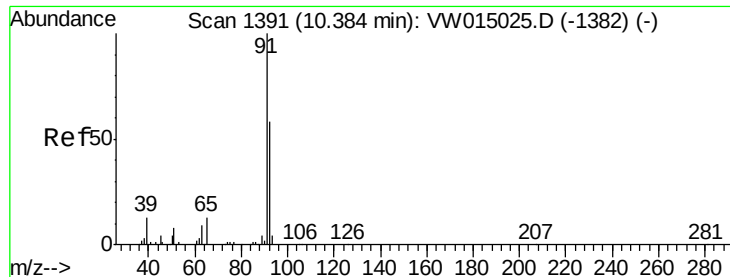


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW





#44

Toluene

Concen: 26.279 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW015028.D

Acq: 24 Feb 2020 12:42

Instrument :

MSVOA_W

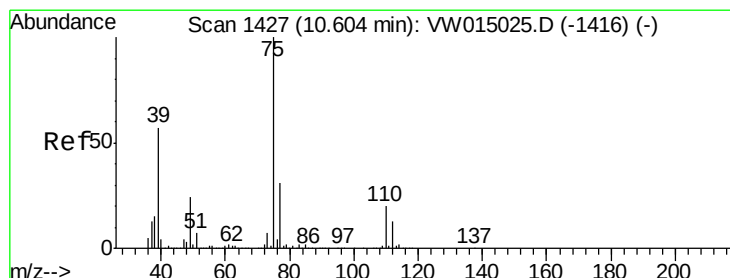
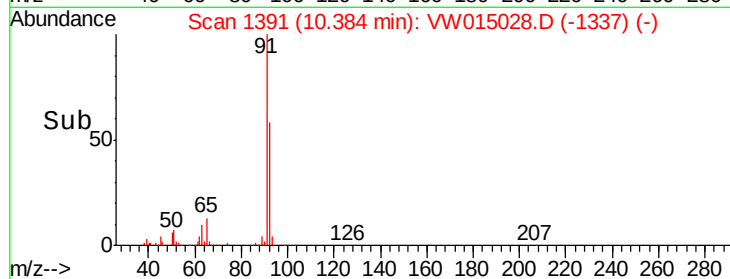
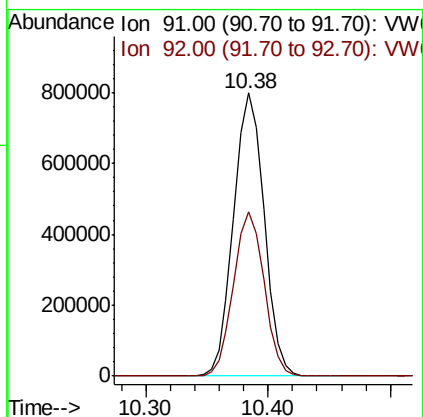
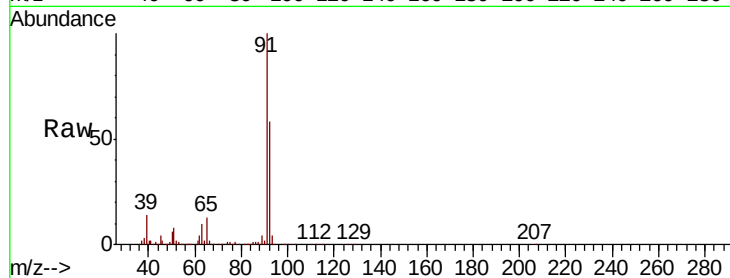
ClientSampled :

Tot Ion: 91 Resp: 1384922

Ion Ratio Lower Upper

91 100

92 57.9 40.5 75.1



#45

trans-1,3-Dichloropropene

Concen: 25.830 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW015028.D

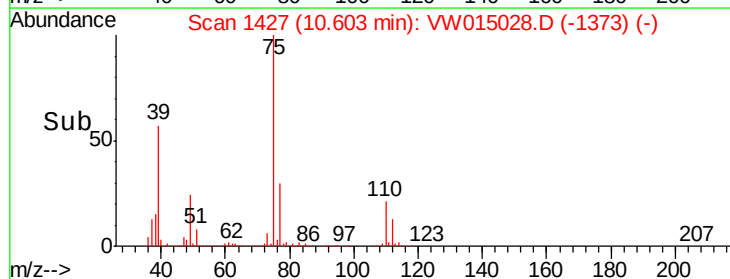
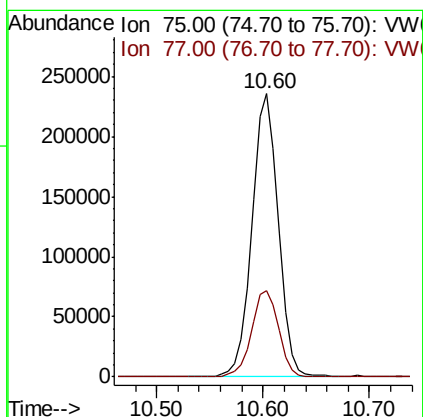
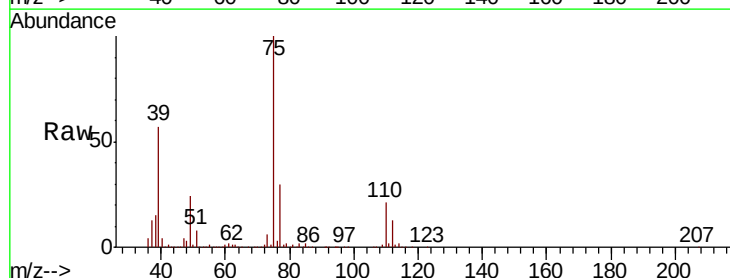
Acq: 24 Feb 2020 12:42

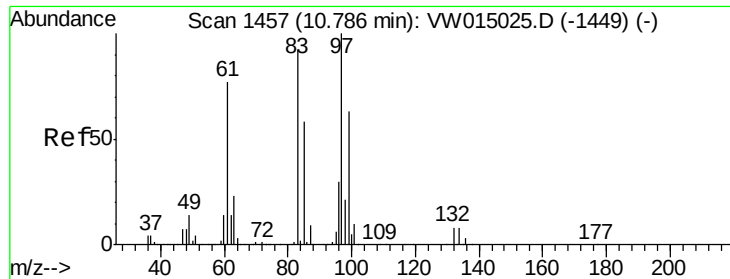
Tgt Ion: 75 Resp: 409994

Ion Ratio Lower Upper

75 100

77 30.5 21.6 40.2

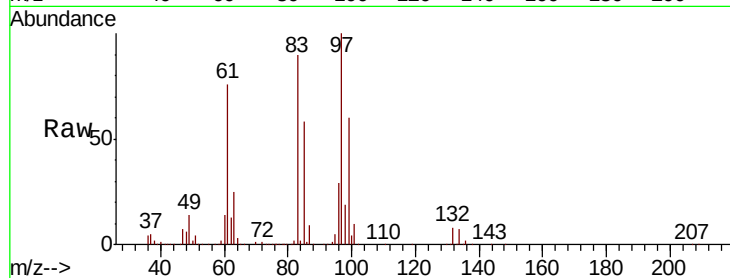




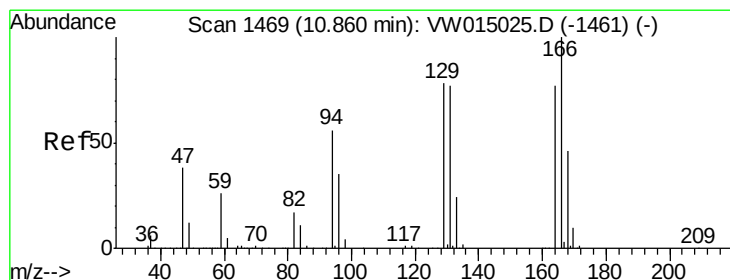
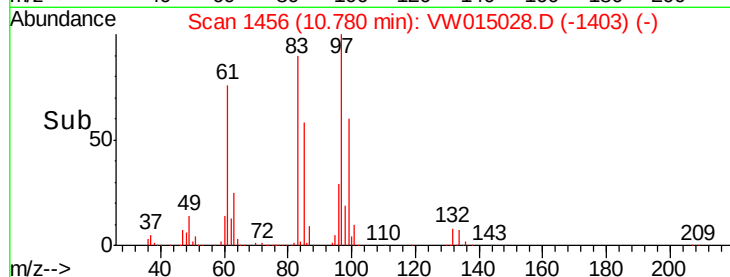
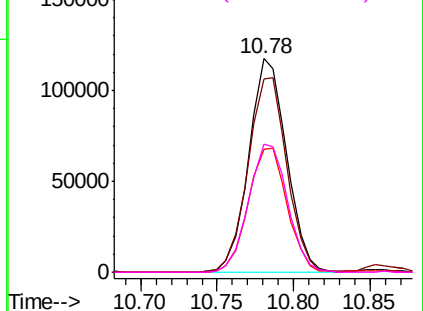
#46
 1,1,2-Trichloroethane
 Concen: 23.824 ug/L
 RT: 10.78 min Scan# 1456
 Delta R.T. -0.01 min
 Lab File: VW015028.D
 Acq: 24 Feb 2020 12:42

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion:	97	Resp:	202047
Ion	Ratio	Lower	Upper
97	100		
83	90.4	64.4	119.6
85	57.7	40.9	75.9
99	59.7	44.1	81.9

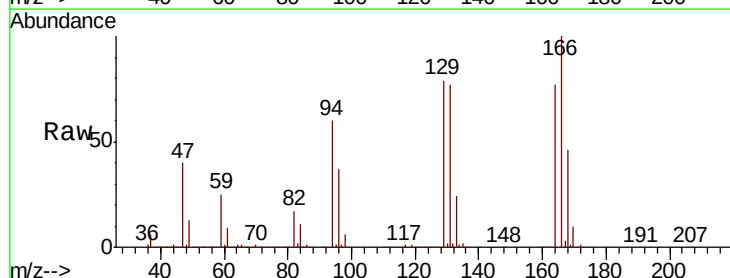


Abundance Ion 97.00 (96.70 to 97.70): VW
 Ion 83.00 (82.70 to 83.70): VW
 Ion 85.00 (84.70 to 85.70): VW
 Ion 99.00 (98.70 to 99.70): VW

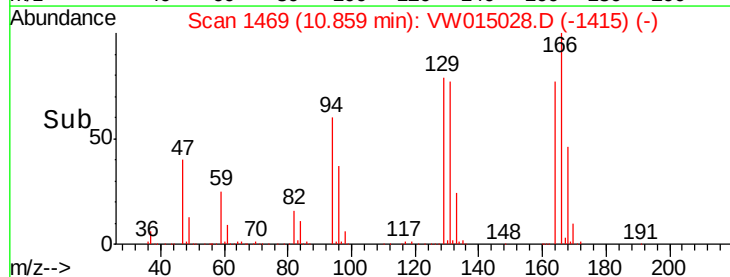
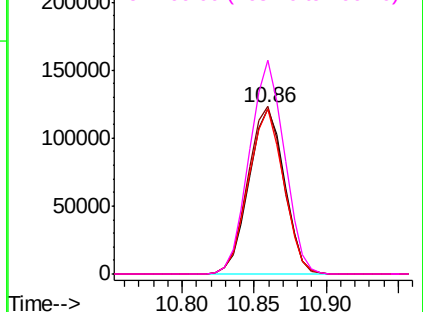


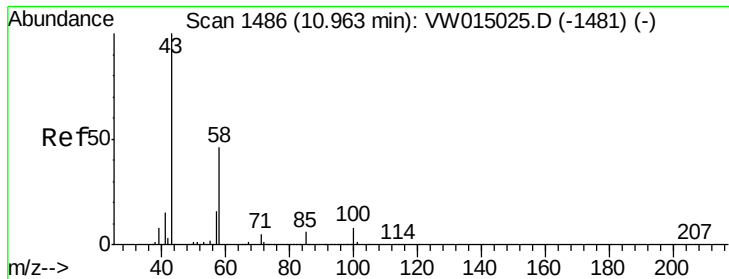
#47
 Tetrachloroethene
 Concen: 24.506 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VW015028.D
 Acq: 24 Feb 2020 12:42

Tgt Ion:	164	Resp:	207318
Ion	Ratio	Lower	Upper
164	100		
129	101.6	71.7	133.1
131	100.0	70.1	130.3
166	129.3	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

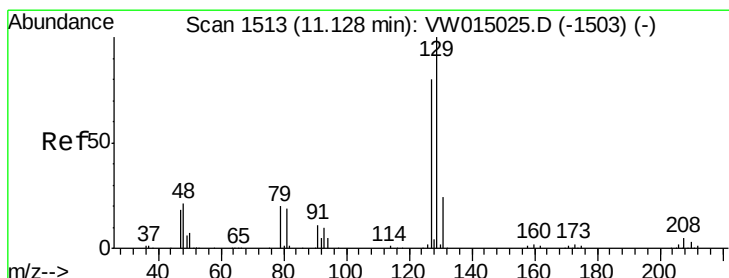
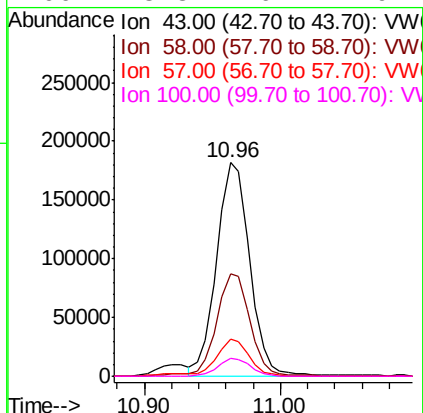
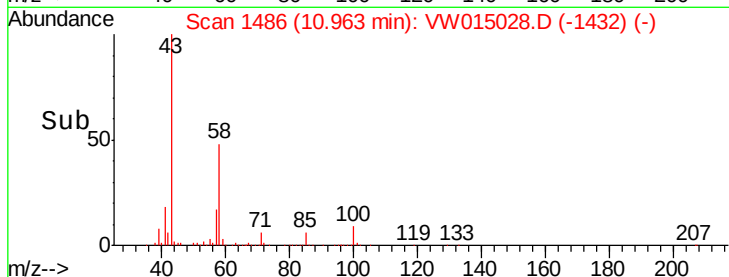
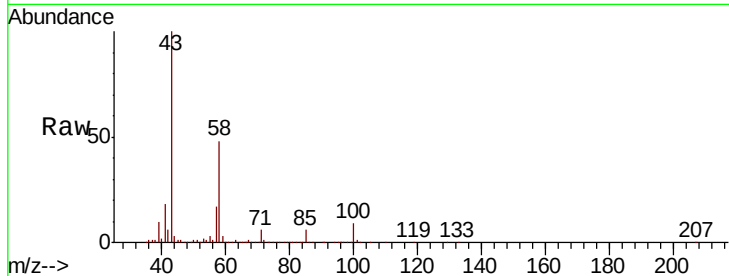




#49
2-Hexanone
Concen: 50.470 ug/L
RT: 10.96 min Scan# 1486
Delta R.T. -0.00 min
Lab File: VW015028.D
Acq: 24 Feb 2020 12:42

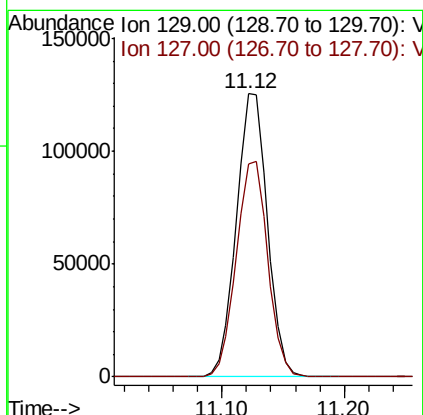
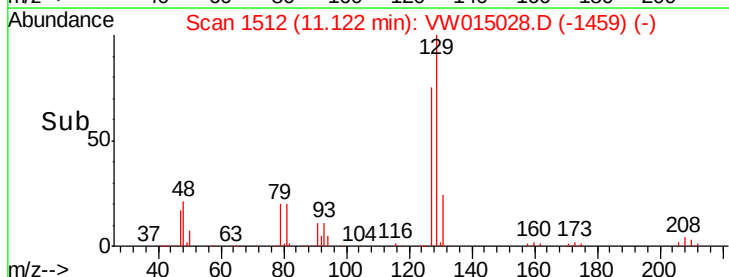
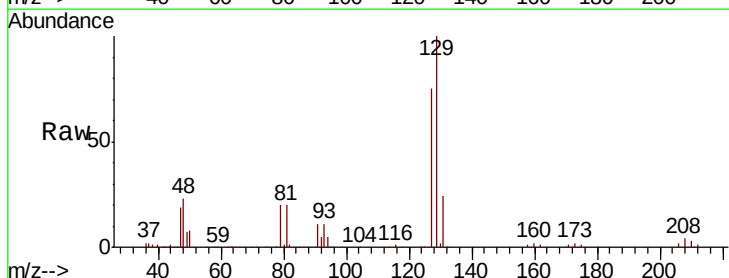
Instrument :
MSVOA_W
ClientSampled :

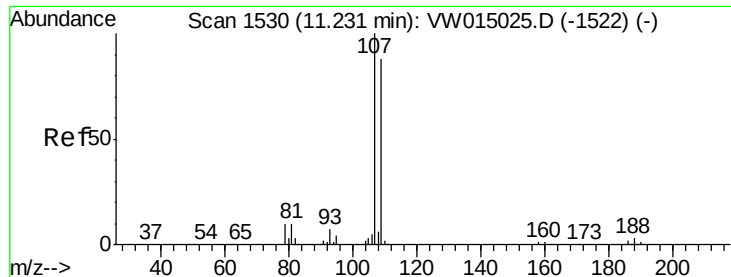
Tot Ion: 43 Resp: 308427
Ion Ratio Lower Upper
43 100
58 48.0 38.9 58.3
57 16.8 13.4 20.2
100 8.3 6.7 10.1



#50
Dibromochloromethane
Concen: 24.484 ug/L
RT: 11.12 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VW015028.D
Acq: 24 Feb 2020 12:42

Tgt Ion: 129 Resp: 220982
Ion Ratio Lower Upper
129 100
127 75.4 56.4 104.7

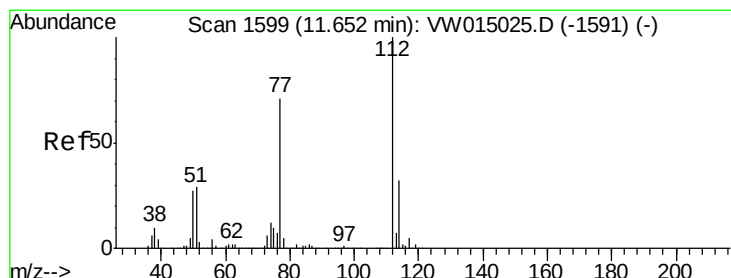
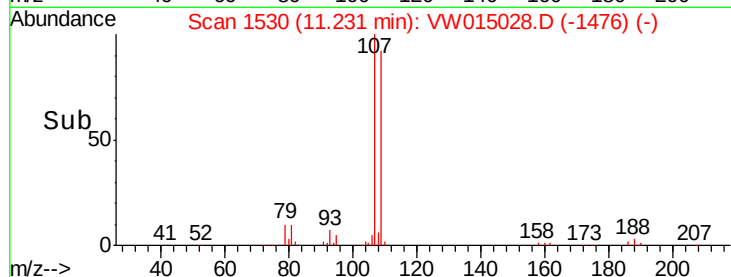
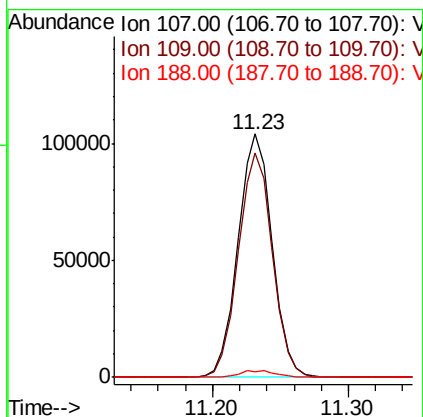
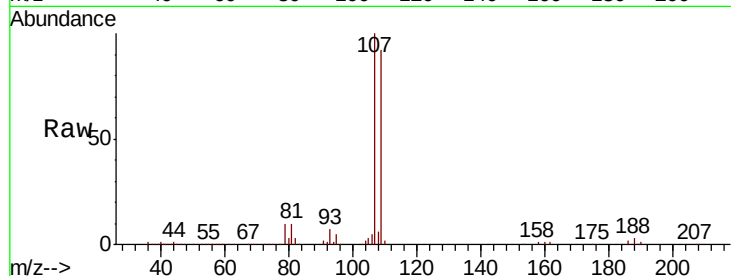




#51
1,2-Dibromoethane
Concen: 24.556 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VW015028.D
Acq: 24 Feb 2020 12:42

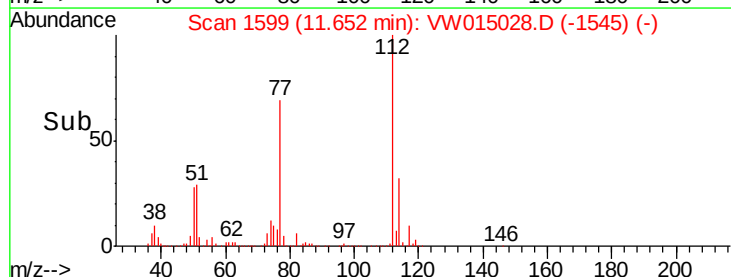
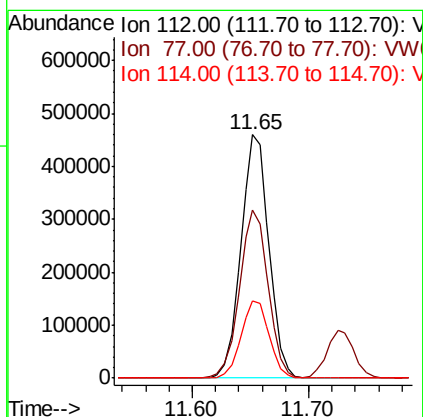
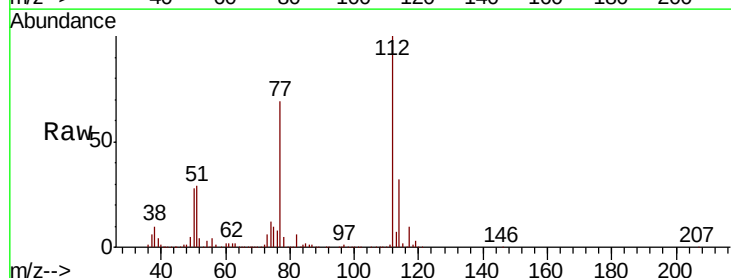
Instrument :
MSVOA_W
ClientSampled :

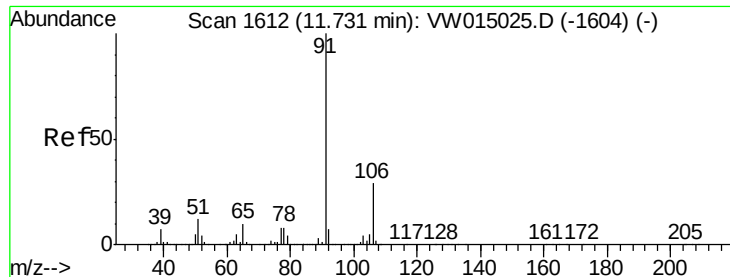
Tot Ion	Ratio	Lower	Upper
107	100		
109	92.3	61.9	114.9
188	2.5	2.5	3.7



#52
Chlorobenzene
Concen: 24.812 ug/L
RT: 11.65 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VW015028.D
Acq: 24 Feb 2020 12:42

Tgt Ion	Ratio	Lower	Upper
112	100		
77	69.2	57.0	85.6
114	31.6	22.5	41.9

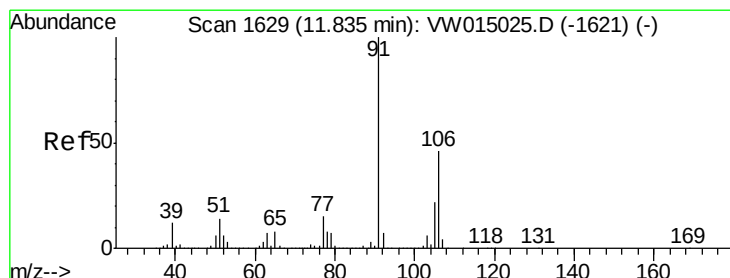
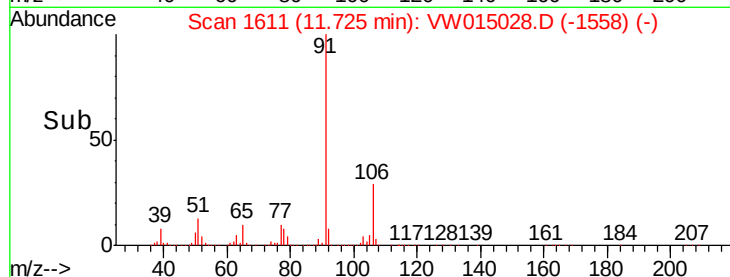
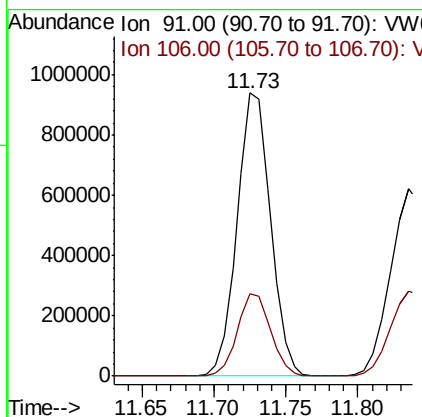
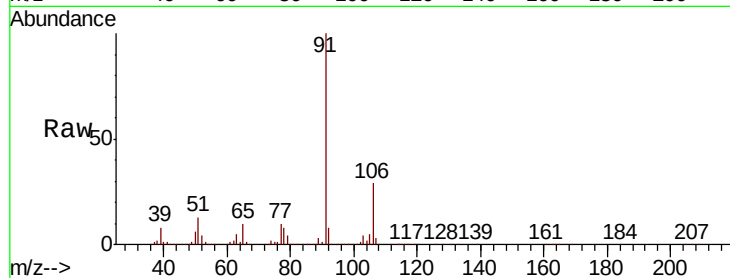




#53
Ethylbenzene
Concen: 26.323 ug/L
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW015028.D
Acq: 24 Feb 2020 12:42

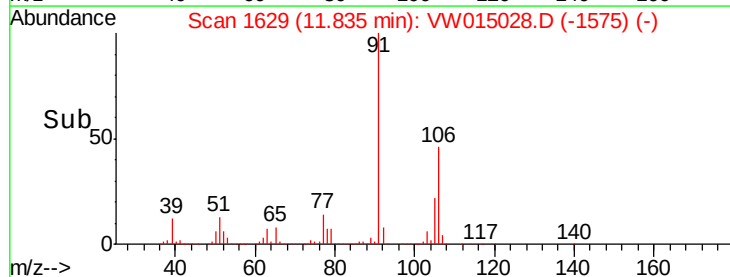
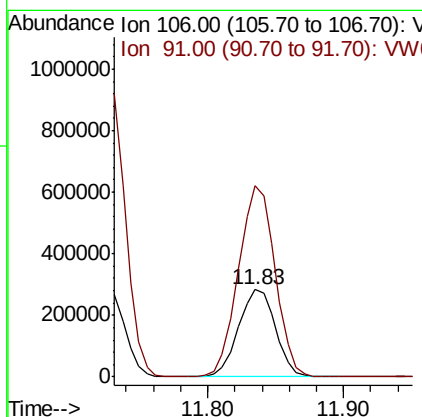
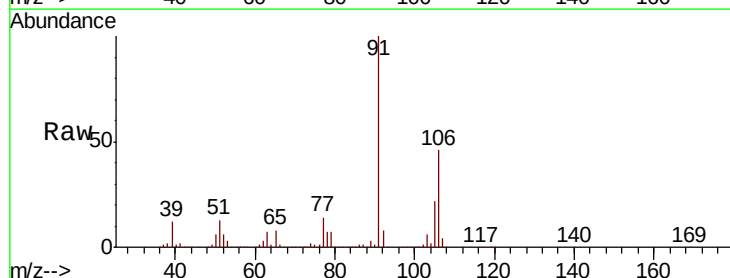
Instrument :
MSVOA_W
ClientSampled :

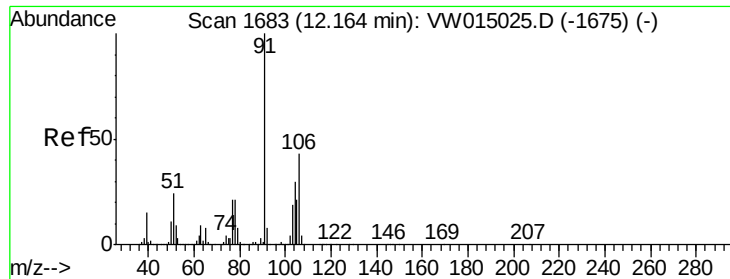
Tot Ion: 91 Resp: 1515395
Ion Ratio Lower Upper
91 100
106 29.2 20.1 37.3



#54
m,p-Xylene
Concen: 26.759 ug/L
RT: 11.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW015028.D
Acq: 24 Feb 2020 12:42

Tgt Ion: 106 Resp: 538980
Ion Ratio Lower Upper
106 100
91 219.2 151.4 281.2





#55

o-xylene

Concen: 26.914 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW015028.D

Acq: 24 Feb 2020 12:42

Instrument :

MSVOA_W

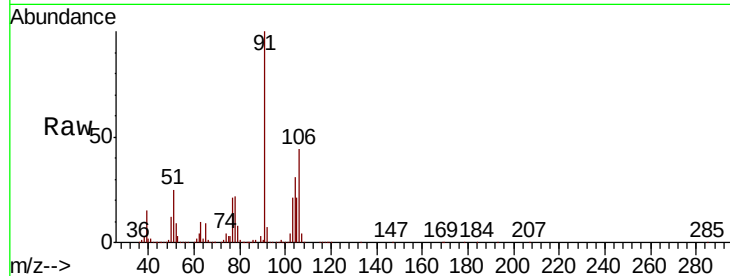
ClientSampled :

Tot Ion:106 Resp: 505110

Ion Ratio Lower Upper

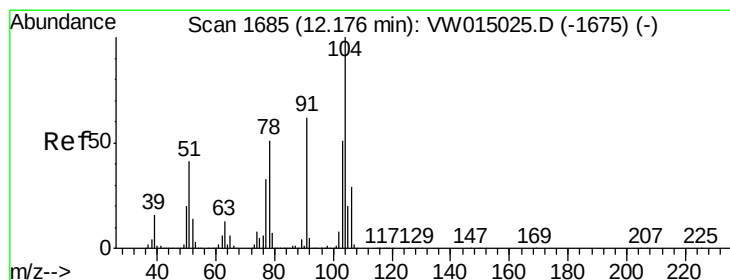
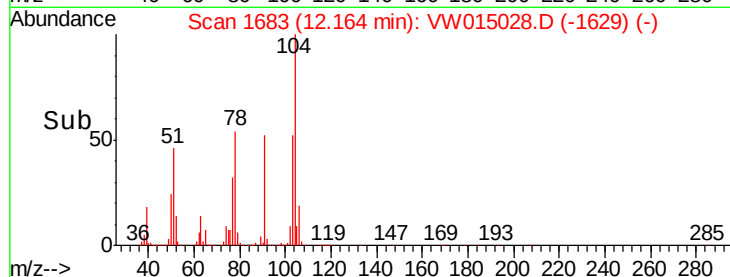
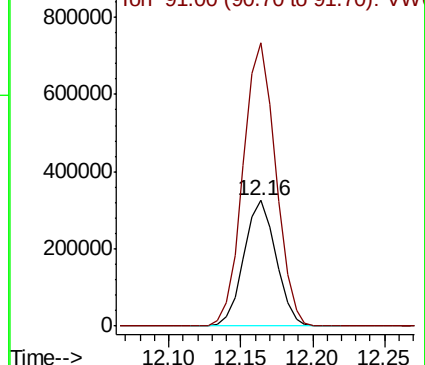
106 100

91 225.7 162.5 301.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 27.182 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VW015028.D

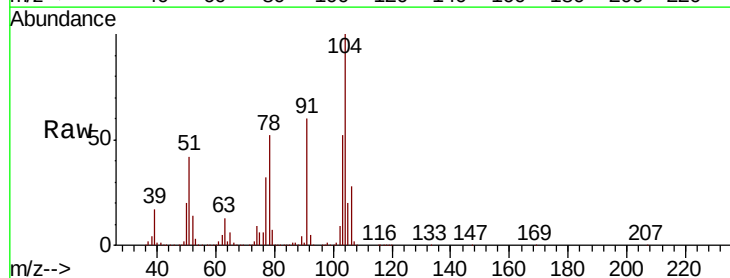
Acq: 24 Feb 2020 12:42

Tgt Ion:104 Resp: 873760

Ion Ratio Lower Upper

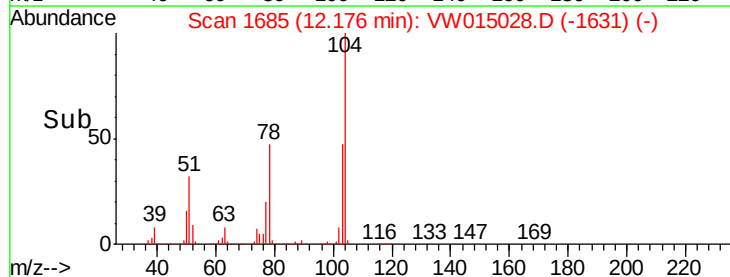
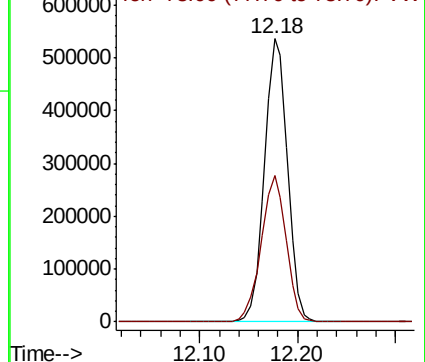
104 100

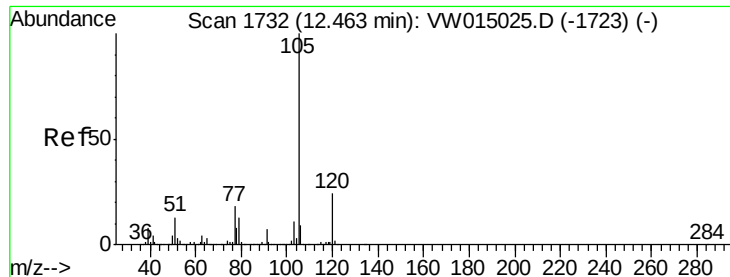
78 51.9 35.6 66.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 27.186 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW015028.D

Acq: 24 Feb 2020 12:42

Instrument :

MSVOA_W

ClientSampleId :

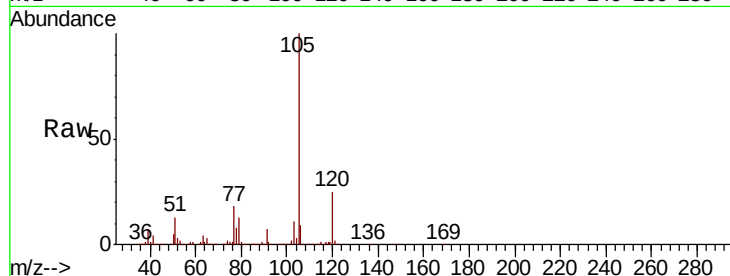
Tot Ion:105 Resp: 1389514

Ion Ratio Lower Upper

105 100

120 24.9 19.8 29.8

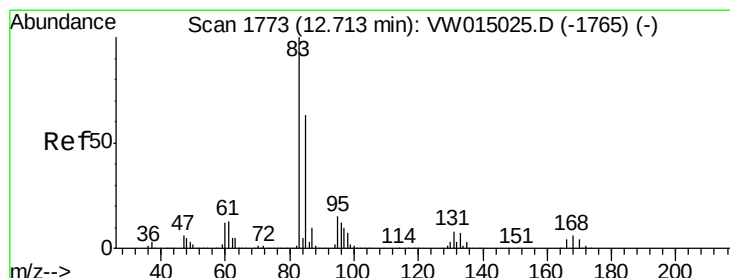
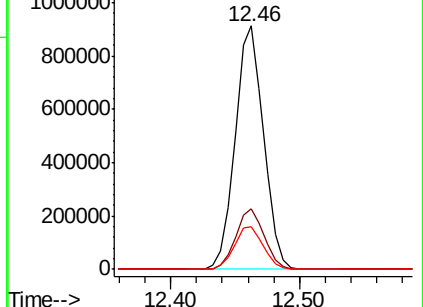
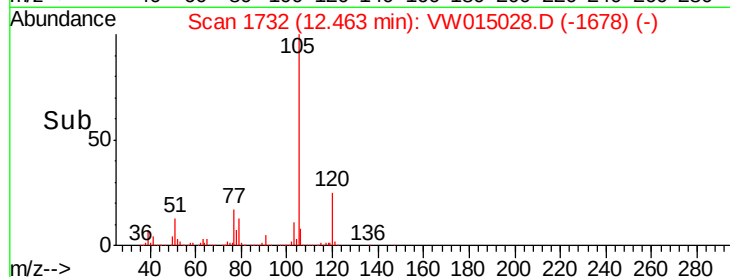
77 18.0 14.4 21.6



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: 23.817 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW015028.D

Acq: 24 Feb 2020 12:42

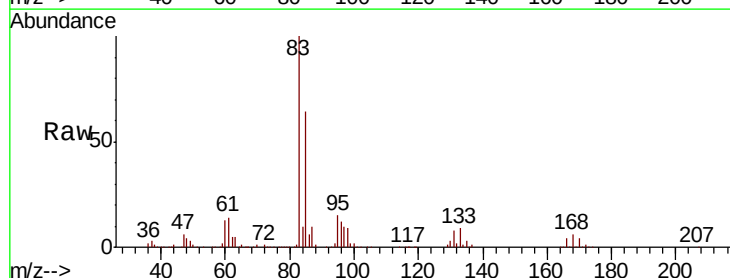
Tgt Ion: 83 Resp: 254852

Ion Ratio Lower Upper

83 100

85 63.6 44.2 82.0

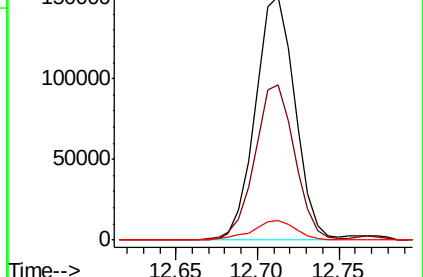
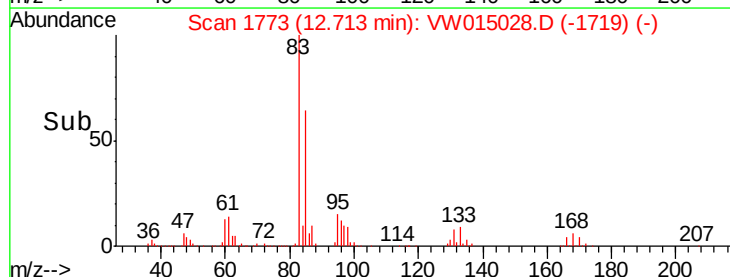
131 8.0 6.3 9.5

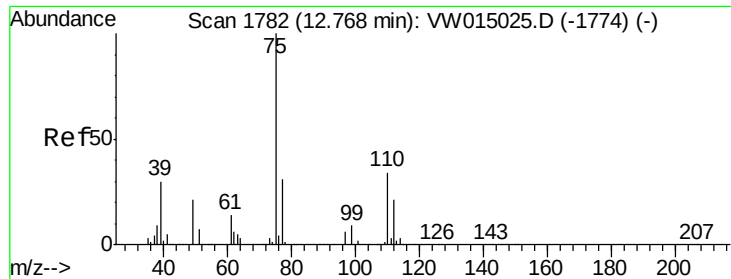


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 23.691 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW015028.D

Acq: 24 Feb 2020 12:42

Instrument :

MSVOA_W

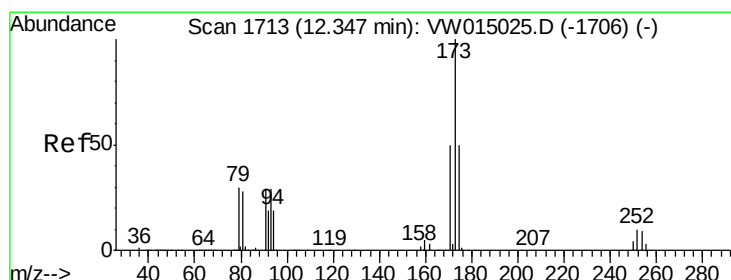
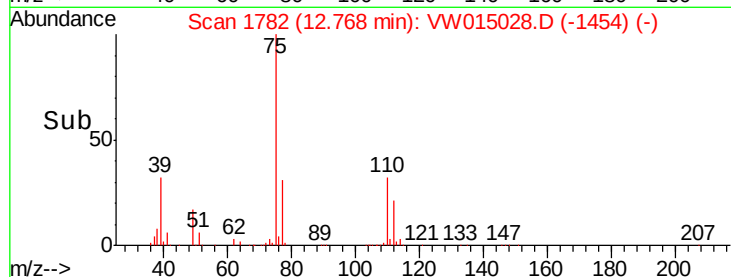
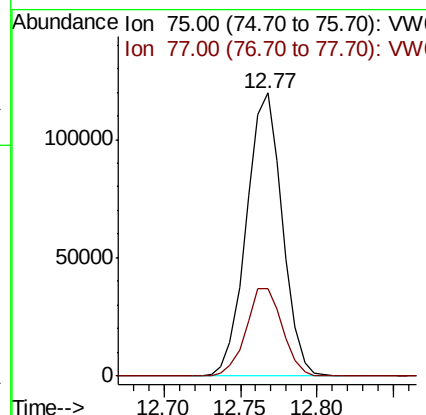
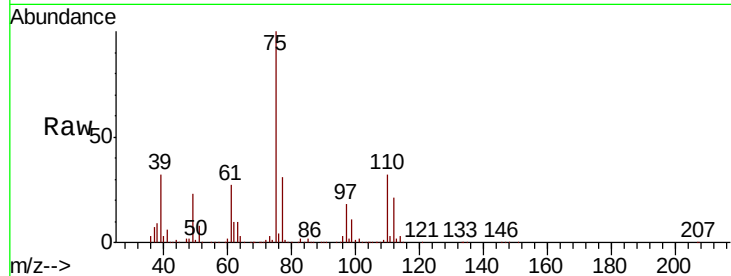
ClientSampleId :

Tot Ion: 75 Resp: 194851

Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.0



#62

Bromoform

Concen: 23.801 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW015028.D

Acq: 24 Feb 2020 12:42

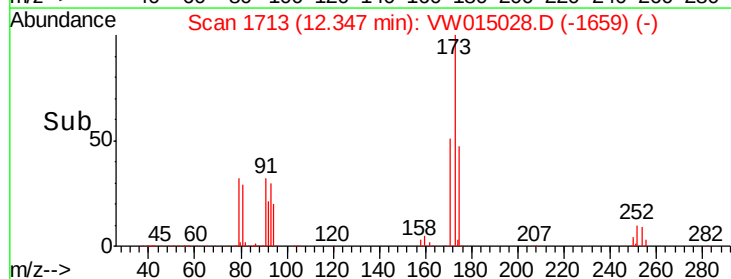
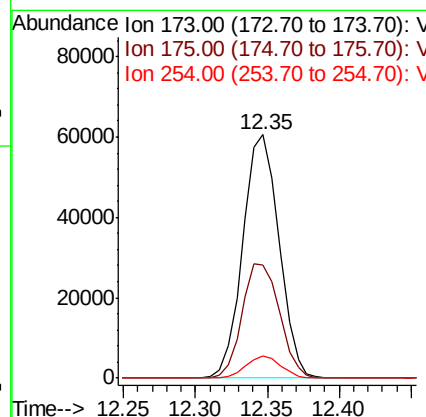
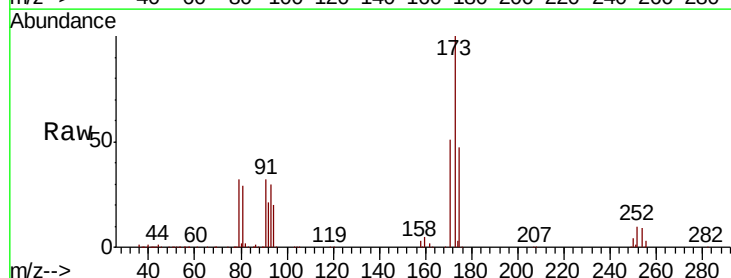
Tgt Ion: 173 Resp: 105793

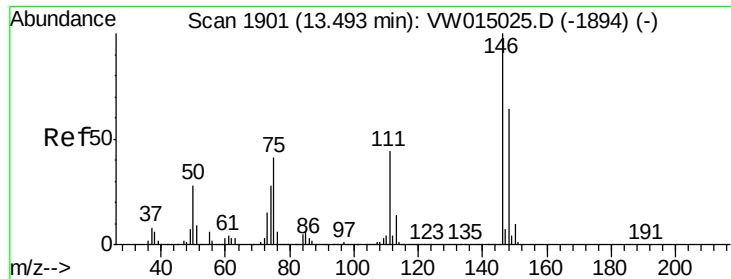
Ion Ratio Lower Upper

173 100

175 48.6 38.7 58.1

254 8.6 7.0 10.4

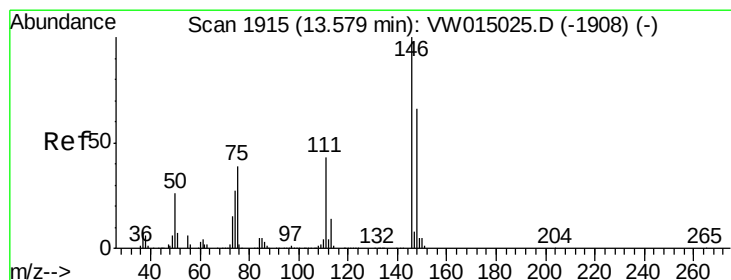
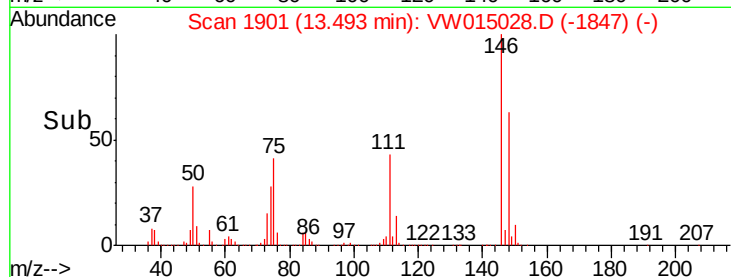
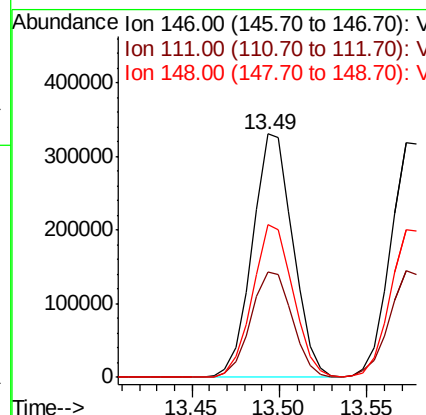
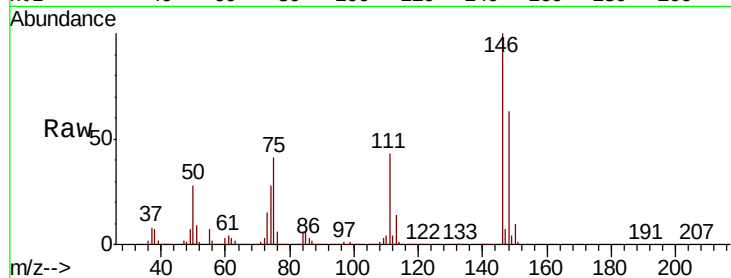




#63
 1,3-Dichlorobenzene
 Concen: 25.782 ug/L
 RT: 13.49 min Scan# 1901
 Delta R.T. -0.00 min
 Lab File: VW015028.D
 Acq: 24 Feb 2020 12:42

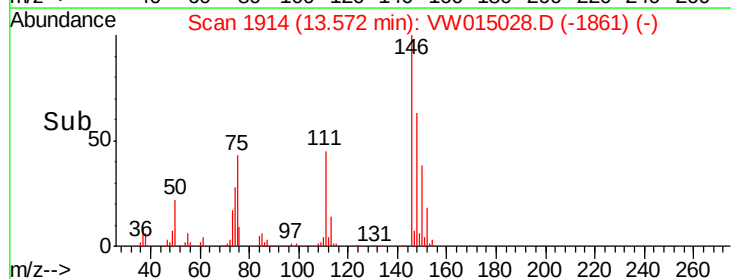
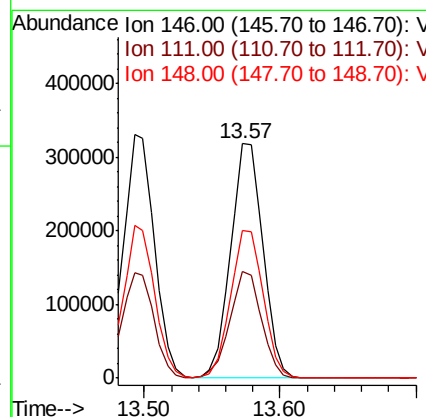
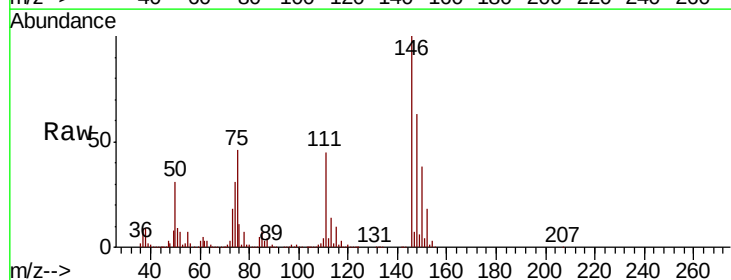
Instrument :
 MSVOA_W
 ClientSampleId :

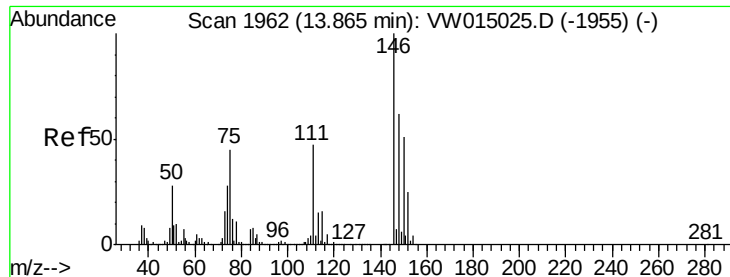
Tot Ion:146 Resp: 531878
 Ion Ratio Lower Upper
 146 100
 111 43.4 30.9 57.3
 148 62.6 44.6 82.8



#64
 1,4-Dichlorobenzene
 Concen: 24.718 ug/L
 RT: 13.57 min Scan# 1914
 Delta R.T. -0.01 min
 Lab File: VW015028.D
 Acq: 24 Feb 2020 12:42

Tgt Ion:146 Resp: 525011
 Ion Ratio Lower Upper
 146 100
 111 45.5 29.9 55.5
 148 63.0 46.1 85.5

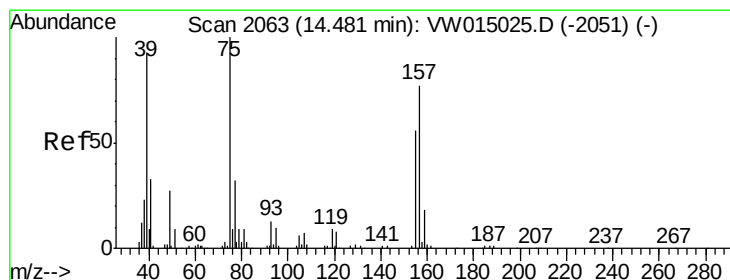
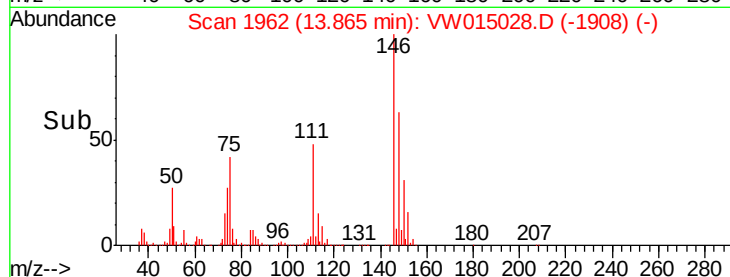
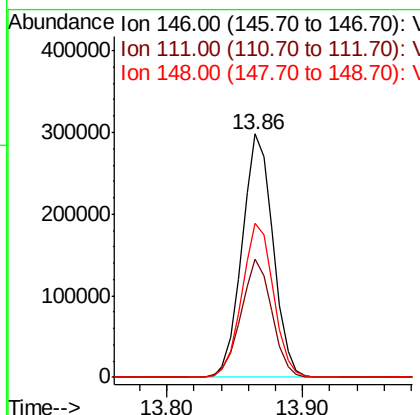
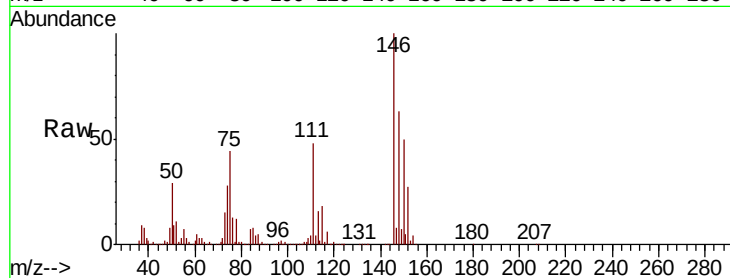




#65
 1,2-Dichlorobenzene
 Concen: 25.372 ug/L
 RT: 13.86 min Scan# 1962
 Delta R.T. -0.00 min
 Lab File: VW015028.D
 Acq: 24 Feb 2020 12:42

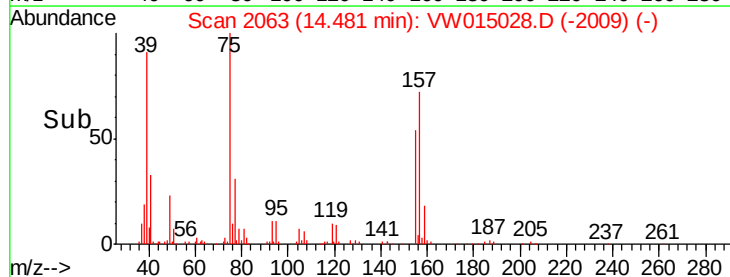
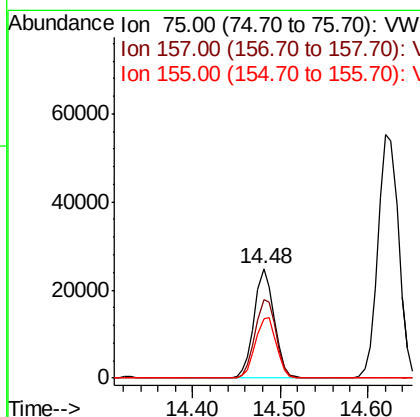
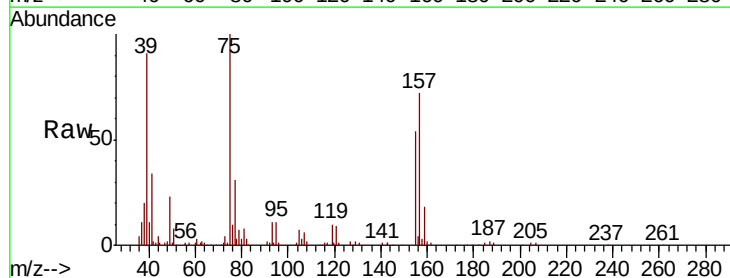
Instrument :
 MSVOA_W
 ClientSampleId :

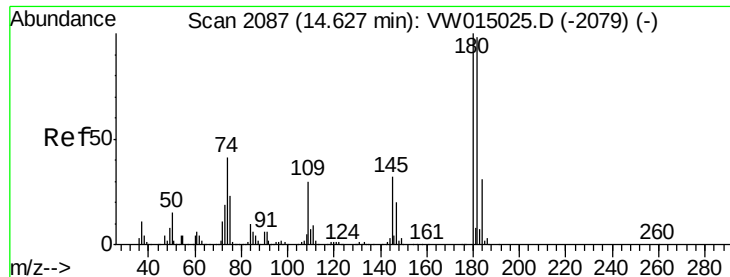
Tot Ion	Ratio	Lower	Upper
146	100		
111	48.4	37.7	56.5
148	63.2	50.0	75.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 24.139 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW015028.D
 Acq: 24 Feb 2020 12:42

Tgt Ion	Ratio	Lower	Upper
75	100		
157	71.6	61.4	92.0
155	53.8	45.0	67.6

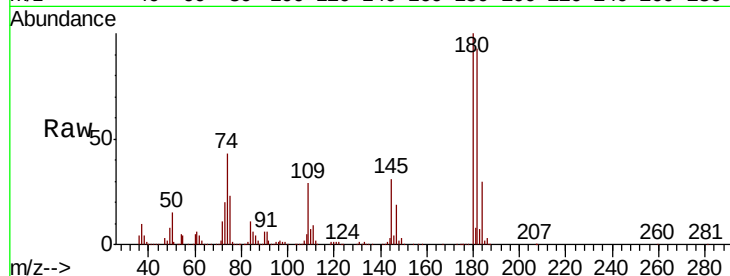




#67
 1,3,5-Trichlorobenzene
 Concen: 27.132 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW015028.D
 Acq: 24 Feb 2020 12:42

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	180	Resp	375345
Ion Ratio	100	Lower	Upper
182	94.2	75.4	113.0
184	29.8	23.9	35.9
145	31.4	25.4	38.2



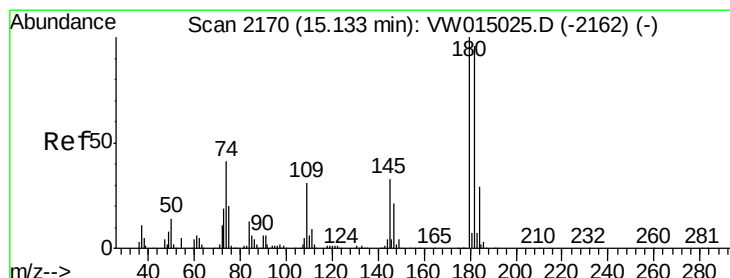
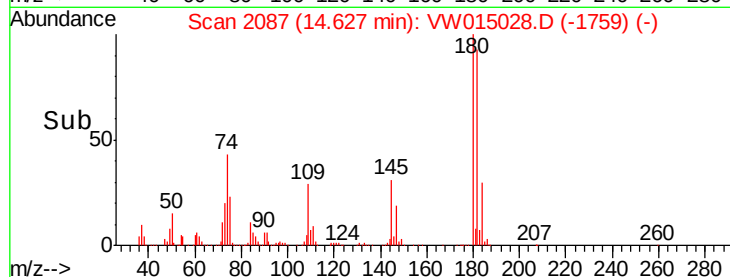
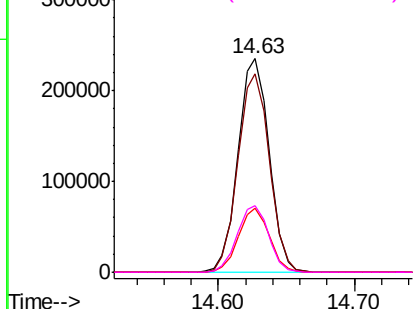
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

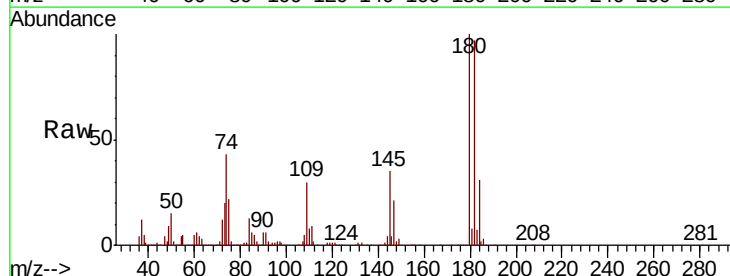
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 27.837 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW015028.D
 Acq: 24 Feb 2020 12:42

Tgt Ion	180	Resp	281447
Ion Ratio	100	Lower	Upper
182	94.3	75.7	113.5
145	33.1	25.9	38.9

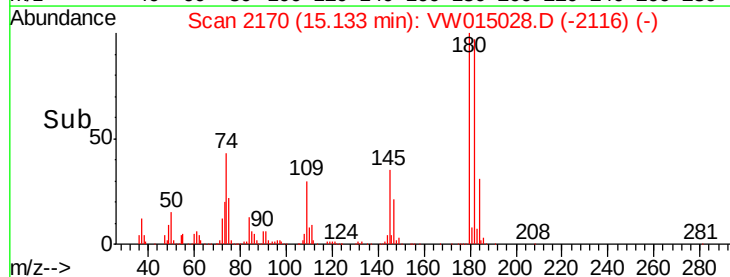
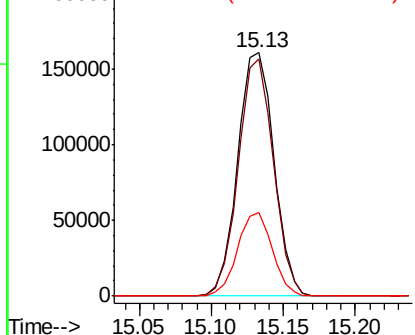


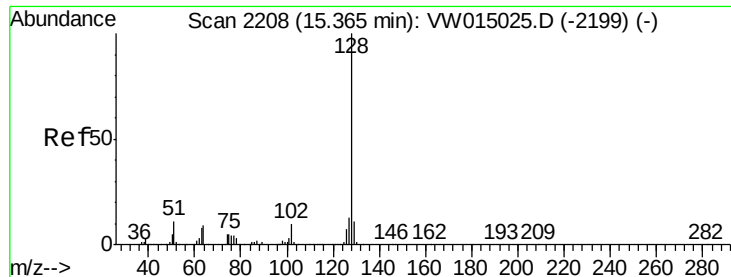
Abundance

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: 27.559 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW015028.D

Acq: 24 Feb 2020 12:42

Instrument :

MSVOA_W

ClientSampleId :

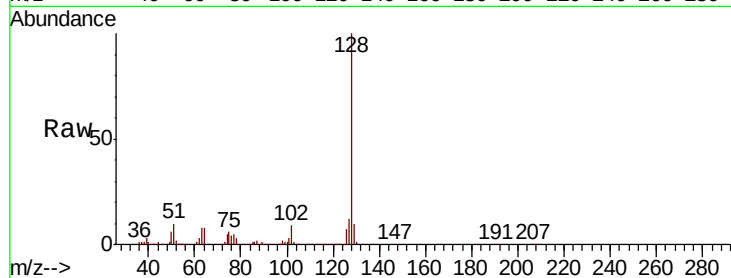
Tot Ion:128 Resp: 247362

Ion Ratio Lower Upper

128 100

129 10.7 8.9 13.3

127 13.5 11.1 16.7

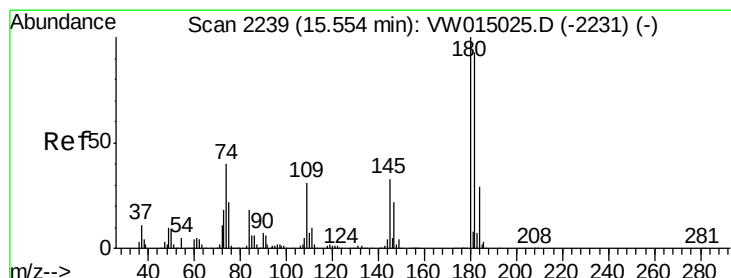
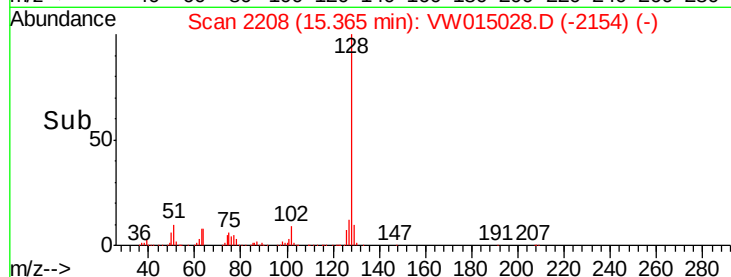
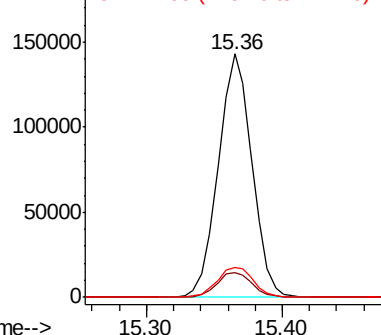


Abundance

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: 27.594 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW015028.D

Acq: 24 Feb 2020 12:42

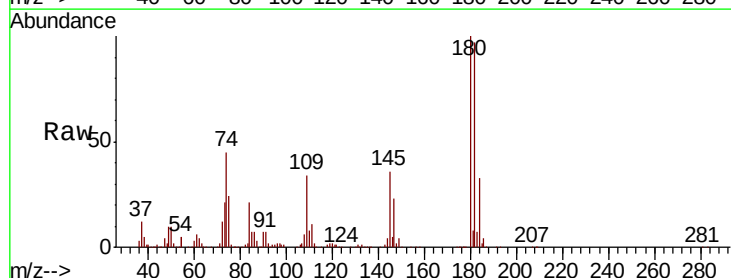
Tgt Ion:180 Resp: 250415

Ion Ratio Lower Upper

180 100

182 94.7 75.8 113.6

145 35.6 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

