

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111219\
 Data File : VY000654.D
 Acq On : 12 Nov 2019 14:35
 Operator : SY/MD
 Sample : MDL02
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL02

Manual Integrations
 APPROVED

MMDadoda
 11/15/2019 3:06:55 PM

Quant Time: Nov 13 10:09:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111219S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 13 03:17:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	362201	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	330994	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	153533	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	122067	23.86	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.44%
7) Chloroethane-d5	2.76	69	108710	23.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.68%
10) 1,1-Dichloroethene-d2	3.86	63	168703	17.86	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	71.44%
20) 2-Butanone-d5	6.90	46	90820	43.03	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.06%
24) Chloroform-d	7.49	84	213986	22.52	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.08%
26) 1,2-Dichloroethane-d4	8.16	65	126796	23.01	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.04%
29) Benzene-d6	8.12	84	451232	23.48	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.92%
33) 1,2-Dichloropropane-d6	9.13	67	144334	23.96	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.84%
37) Toluene-d8	10.18	98	420615	23.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.68%
38) trans-1,3-Dichloropropene-	10.44	79	63062	22.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.76%
39) 2-Hexanone-d5	10.79	63	69108	42.45	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.90%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	123971	21.16	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	84.64%
61) 1,2-Dichlorobenzene-d4	13.72	152	144281	23.50	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.90	85	6054	1.265 ug/L	99
3) Chloromethane	2.11	50	7277	1.213 ug/L	97
5) Vinyl chloride	2.25	62	7192	1.201 ug/L #	62
6) Bromomethane	2.66	94	4268	1.305 ug/L	98
8) Chloroethane	2.80	64	4154	1.106 ug/L #	72
9) Trichlorofluoromethane	3.13	101	10434m	1.230 ug/L	
11) 1,1,2-Trichloro-1,2,2-trif	3.90	101	6228m	1.295 ug/L	
12) 1,1-Dichloroethene	3.88	96	6708m	1.429 ug/L	
13) Acetone	3.96	43	5225	3.384 ug/L	83
14) Carbon disulfide	4.19	76	15507	1.070 ug/L #	85
15) Methyl Acetate	4.50	43	3791m	1.072 ug/L	
16) Methylene chloride	4.73	84	13100	2.191 ug/L	89
17) Methyl tert-butyl Ether	5.22	73	16015m	1.121 ug/L	
18) trans-1,2-Dichloroethene	5.22	96	6257m	1.193 ug/L	
19) 1,1-Dichloroethane	6.03	63	11007m	1.193 ug/L	
21) 2-Butanone	7.00	43	7856	2.888 ug/L #	72
22) cis-1,2-Dichloroethene	7.00	96	6475m	1.116 ug/L	

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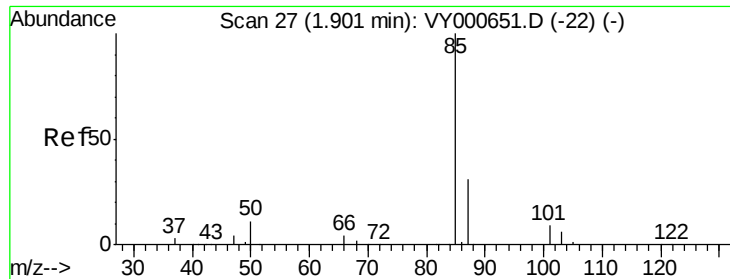
MMDadoda
 11/15/2019 3:06:55 PM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	7.34	128	3431m	1.355	ug/L	
25) Chloroform	7.51	83	18276	1.837	ug/L	78
27) 1,2-Dichloroethane	8.24	62	8361	1.257	ug/L	95
30) Cyclohexane	7.79	56	9685m	1.072	ug/L	
31) 1,1,1-Trichloroethane	7.71	97	9542	1.170	ug/L #	87
32) Carbon tetrachloride	7.91	117	8669m	1.220	ug/L	
34) Benzene	8.17	78	25681	1.187	ug/L	100
35) Trichloroethene	8.94	95	7056	1.244	ug/L	96
36) Methylcyclohexane	9.19	83	9535	0.982	ug/L	91
40) 1,2-Dichloropropane	9.22	63	6365	1.161	ug/L #	96
41) Bromodichloromethane	9.50	83	7755	1.099	ug/L #	89
42) cis-1,3-Dichloropropene	9.92	75	9214	1.043	ug/L	93
43) 4-Methyl-2-pentanone	10.08	43	12153	2.317	ug/L	99
44) Toluene	10.25	91	29012	1.240	ug/L	99
45) trans-1,3-Dichloropropene	10.47	75	9332m	1.230	ug/L	
46) 1,1,2-Trichloroethane	10.64	97	5160	1.147	ug/L #	85
47) Tetrachloroethene	10.72	164	5065	1.195	ug/L	86
49) 2-Hexanone	10.83	43	10589	2.592	ug/L	97
50) Dibromochloromethane	10.99	129	5854	1.152	ug/L	87
51) 1,2-Dibromoethane	11.09	107	4701	1.074	ug/L	98
52) Chlorobenzene	11.52	112	16889	1.138	ug/L	95
53) Ethylbenzene	11.59	91	30764	1.162	ug/L	92
54) m,p-Xylene	11.70	106	11932	1.191	ug/L	100
55) o-xylene	12.03	106	10669	1.085	ug/L	77
56) Styrene	12.05	104	16359	1.002	ug/L	96
57) Isopropylbenzene	12.33	105	26981	1.055	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.58	83	6845	1.220	ug/L #	98
59) 1,2,3-Trichloropropane	12.63	75	5552	1.217	ug/L	94
62) Bromoform	12.20	173	3240	1.111	ug/L #	38
63) 1,3-Dichlorobenzene	13.36	146	12700	1.160	ug/L	98
64) 1,4-Dichlorobenzene	13.44	146	13963	1.276	ug/L	94
65) 1,2-Dichlorobenzene	13.74	146	12374	1.220	ug/L #	81
66) 1,2-Dibromo-3-chloropropan	14.36	75	1324	1.374	ug/L #	91
67) 1,3,5-Trichlorobenzene	14.50	180	9048	1.185	ug/L	92
68) 1,2,4-trichlorobenzene	15.00	180	8457	1.239	ug/L	98
69) Naphthalene	15.23	128	19528	1.148	ug/L	99
70) 1,2,3-Trichlorobenzene	15.42	180	7951	1.253	ug/L #	85

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



#2

Dichlorodifluoromethane

Concen: 1.265 ug/L

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY000654.D

Acq: 12 Nov 2019 14:35

Instrument :

MSVOA_Y

ClientSampleId :

MDL02

Tot Ion: 85 Resp: 6054

Ion Ratio Lower Upper

85 100

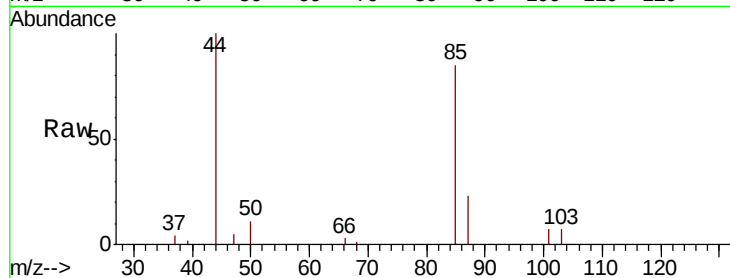
87 33.2 22.7 42.1

Manual Integrations

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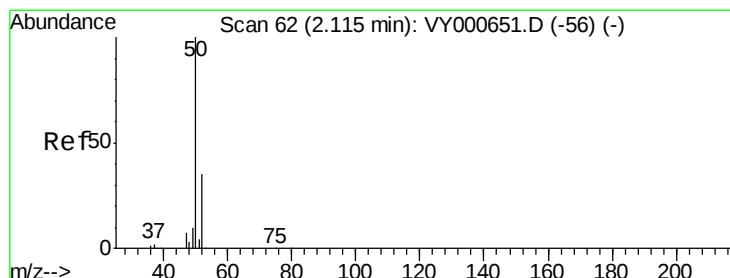
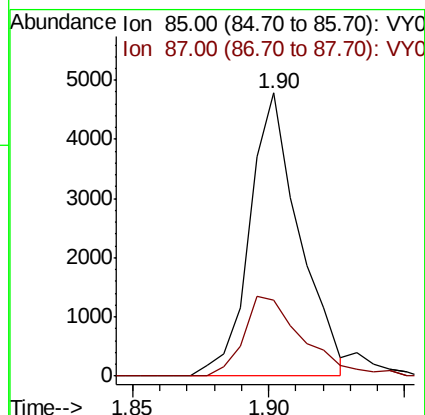
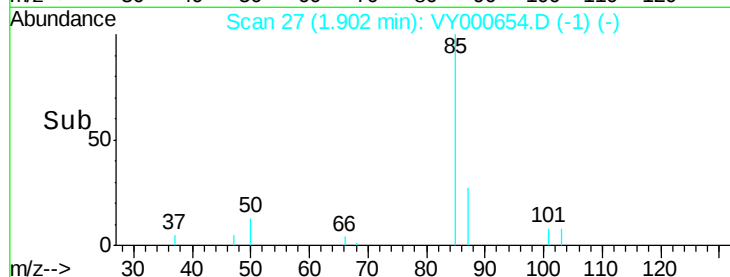
11/15/2019 3:06:55 PM



Abundance Ion 85.00 (84.70 to 85.70): VY000651.D (-22) (-)

Ion 87.00 (86.70 to 87.70): VY000651.D (-22) (-)

Time-->



#3

Chloromethane

Concen: 1.213 ug/L

RT: 2.11 min Scan# 61

Delta R.T. -0.01 min

Lab File: VY000654.D

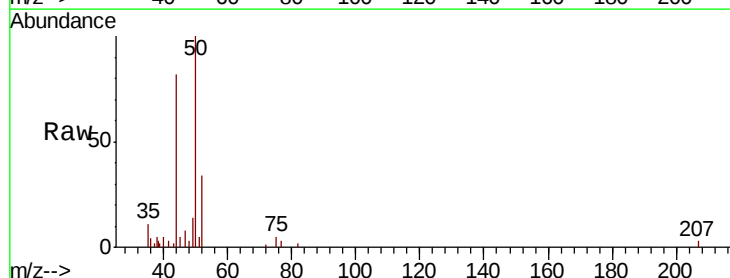
Acq: 12 Nov 2019 14:35

Tgt Ion: 50 Resp: 7277

Ion Ratio Lower Upper

50 100

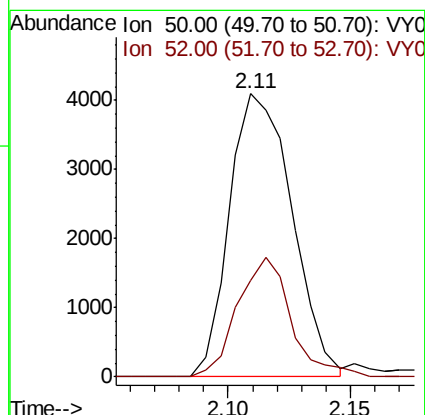
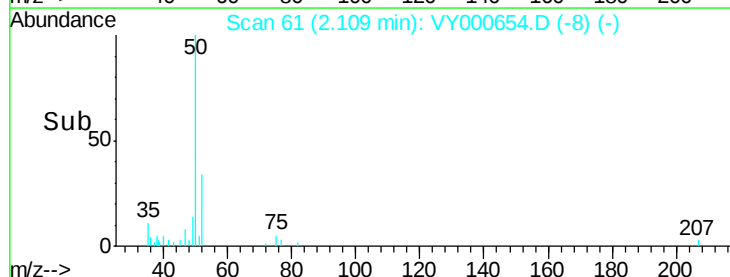
52 34.0 24.9 46.3

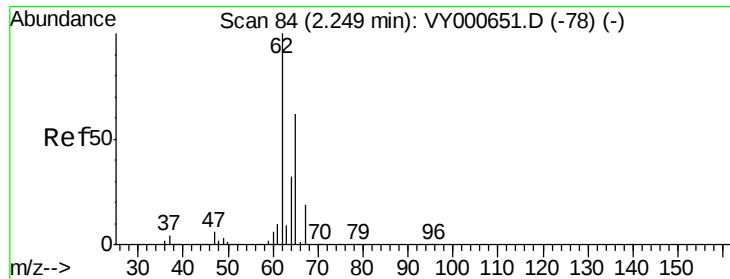


Abundance Ion 50.00 (49.70 to 50.70): VY000651.D (-56) (-)

Ion 52.00 (51.70 to 52.70): VY000651.D (-56) (-)

Time-->





#5

Vinyl chloride

Concen: 1.201 ug/L

RT: 2.25 min Scan# 84

Delta R.T. 0.00 min

Lab File: VY000654.D

Acq: 12 Nov 2019 14:35

Instrument :

MSVOA_Y

ClientSampleId :

MDL02

Tot Ion: 62 Resp: 7192

Ion Ratio Lower Upper

62 100

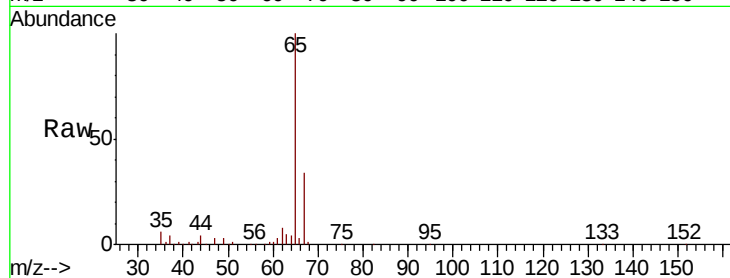
64 52.7 22.0 40.8#

Manual Integrations

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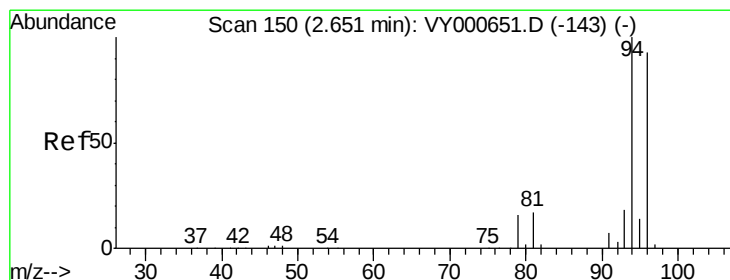
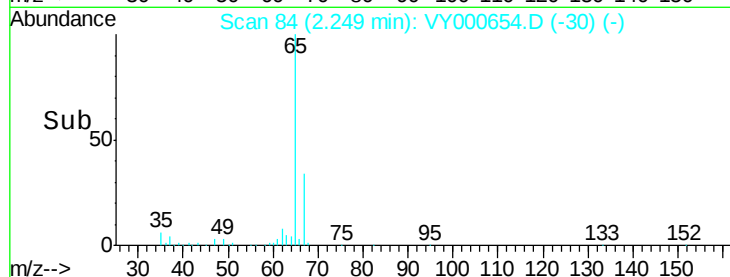
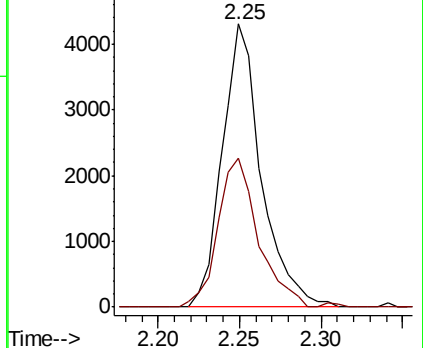
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Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 64.00 (63.70 to 64.70): VY0



#6

Bromomethane

Concen: 1.305 ug/L

RT: 2.66 min Scan# 151

Delta R.T. 0.01 min

Lab File: VY000654.D

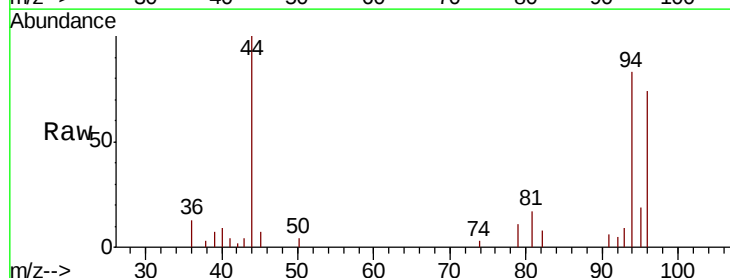
Acq: 12 Nov 2019 14:35

Tgt Ion: 94 Resp: 4268

Ion Ratio Lower Upper

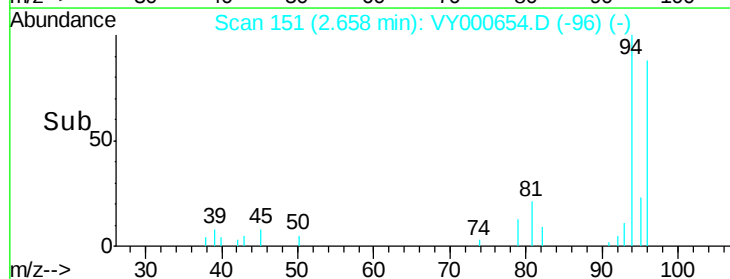
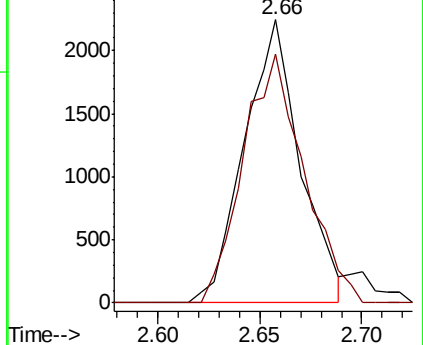
94 100

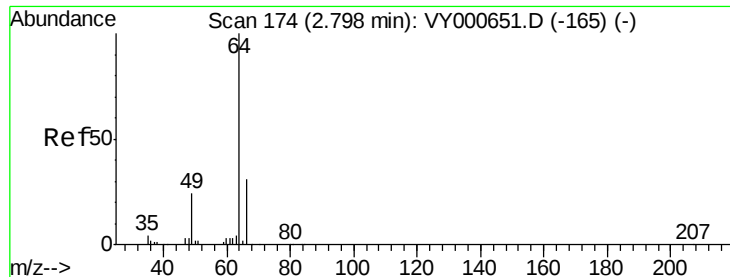
96 95.9 9.8 185.6



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0





#8

Chloroethane

Concen: 1.106 ug/L

RT: 2.80 min Scan# 174

Delta R.T. 0.00 min

Lab File: VY000654.D

Acq: 12 Nov 2019 14:35

Instrument :

MSVOA_Y

ClientSampleId :

MDL02

Tot Ion: 64 Resp: 4154

Ion Ratio Lower Upper

64 100

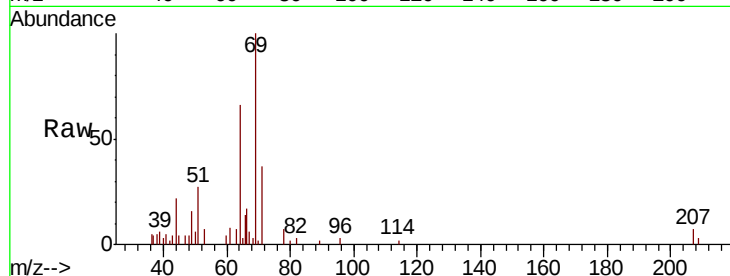
66 47.0 22.2 41.2#

Manual Integrations

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Abundance Ion 64.00 (63.70 to 64.70): VY000651.D (-165) (-)

Ion 66.00 (65.70 to 66.70): VY000651.D (-165) (-)

2500

2000

1500

1000

500

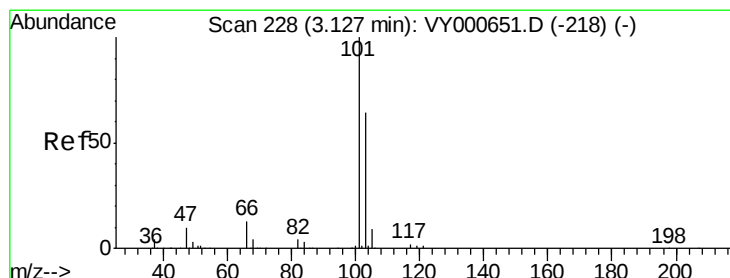
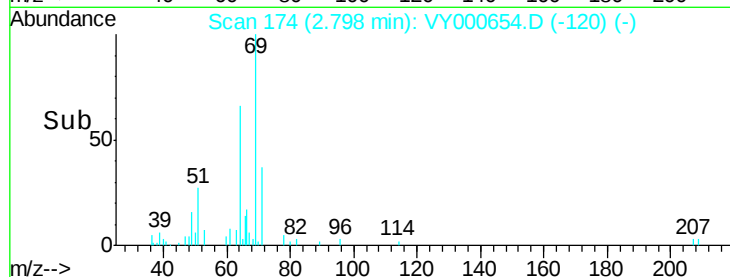
0

2.75

2.80

2.85

Time-->



#9

Trichlorofluoromethane

Concen: 1.230 ug/L m

RT: 3.13 min Scan# 228

Delta R.T. 0.00 min

Lab File: VY000654.D

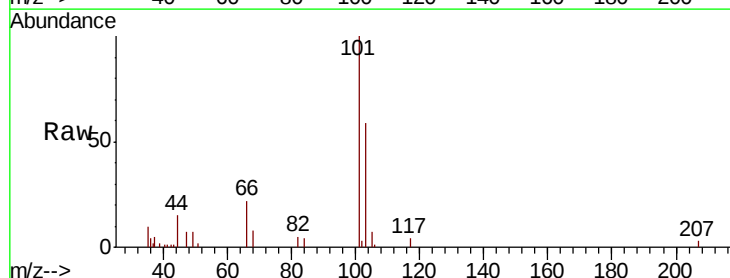
Acq: 12 Nov 2019 14:35

Tgt Ion:101 Resp: 10434

Ion Ratio Lower Upper

101 100

103 66.6 45.8 85.0



Abundance Ion 101.00 (100.70 to 101.70): VY000651.D (-218) (-)

Ion 103.00 (102.70 to 103.70): VY000651.D (-218) (-)

5000

4000

3000

2000

1000

0

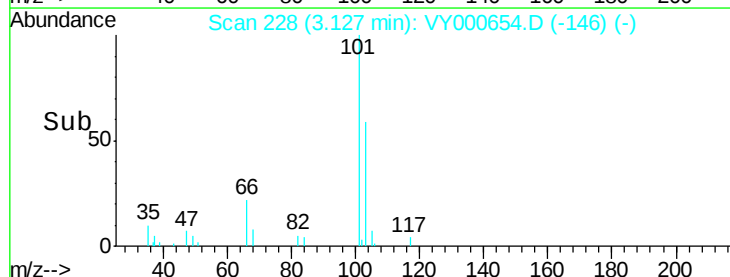
3.00

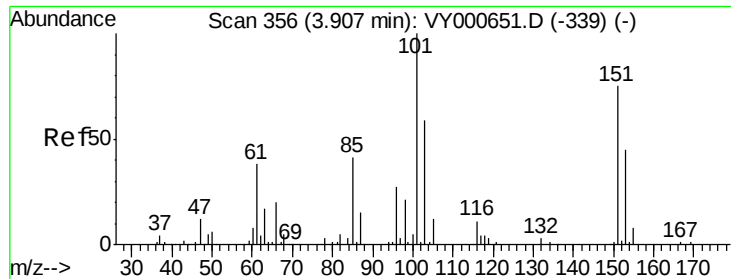
3.10

3.20

3.30

Time-->





#11

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

Concen: 1.295 ug/L m

RT: 3.90 min Scan# 354

Delta R.T. -0.01 min

Lab File: VY000654.D

Acq: 12 Nov 2019 14:35

Instrument :

MSVOA_Y

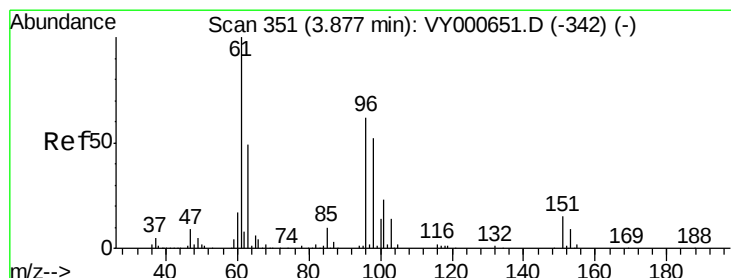
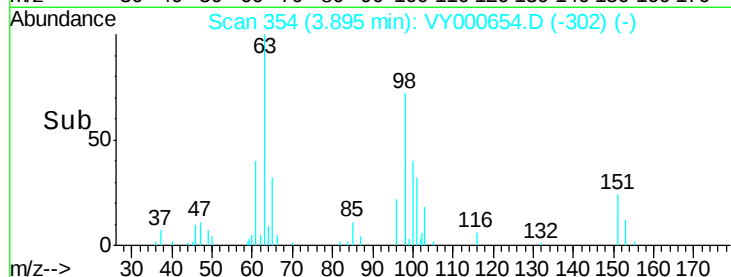
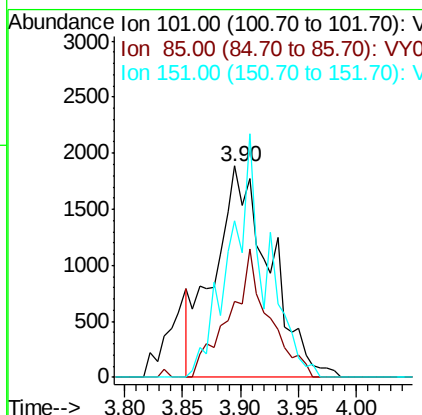
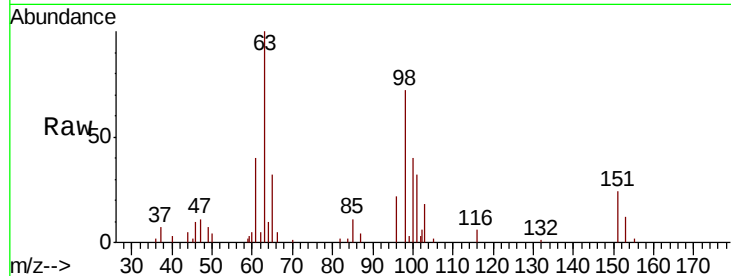
ClientSampleId :

MDL02

Tot Ion:	101	Resp:	6228
Ion Ratio	Lower	Upper	
101	100		
85	0.0	35.3	52.9#
151	32.7	61.9	92.9#

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 1.429 ug/L m

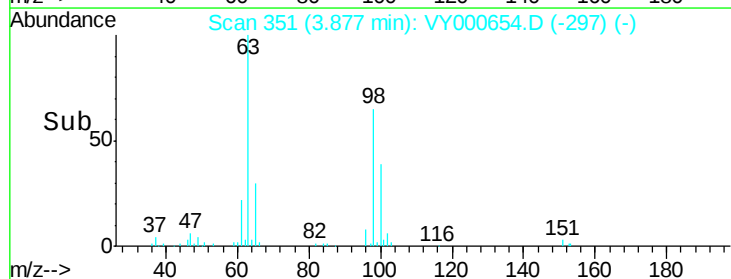
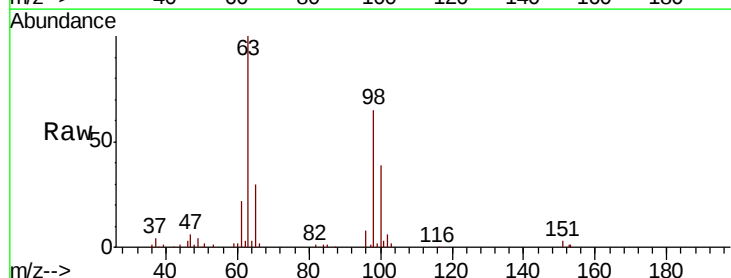
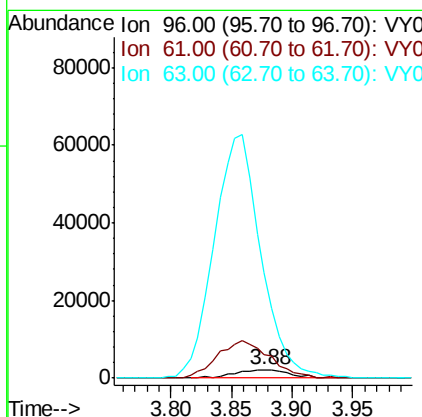
RT: 3.88 min Scan# 351

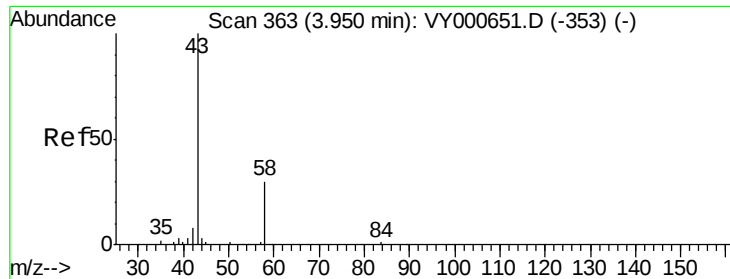
Delta R.T. 0.00 min

Lab File: VY000654.D

Acq: 12 Nov 2019 14:35

Tgt Ion:	96	Resp:	6708
Ion Ratio	Lower	Upper	
96	100		
61	284.7	113.5	210.9#
63	1277.2	94.3	175.1#





#13

Acetone

Concen: 3.384 ug/L

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY000654.D

Acq: 12 Nov 2019 14:35

Instrument :

MSVOA_Y

ClientSampleId :

MDL02

Tot Ion: 43 Resp: 5225

Ion Ratio Lower Upper

43 100

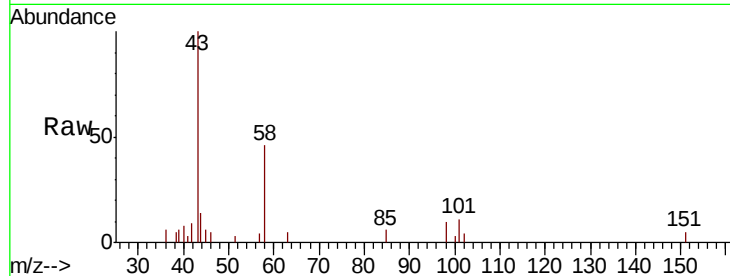
58 22.7 0.0 64.8

Manual Integrations

APPROVED

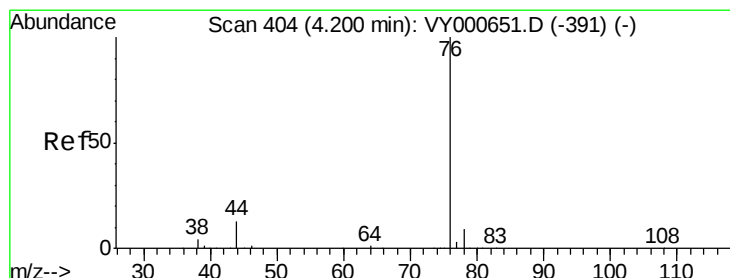
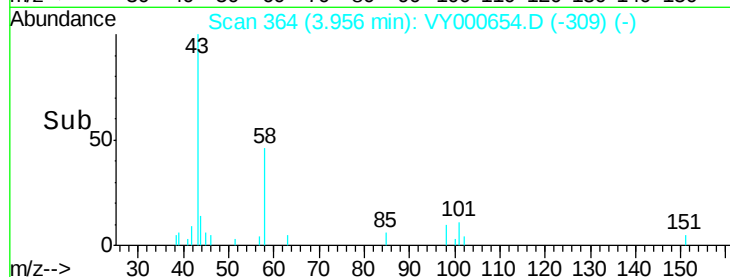
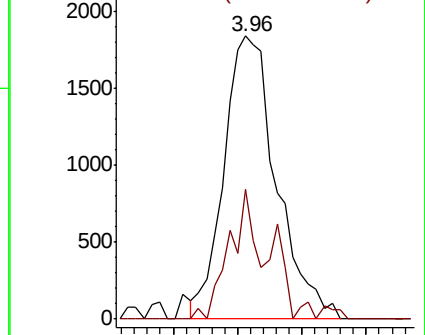
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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#14

Carbon disulfide

Concen: 1.070 ug/L

RT: 4.19 min Scan# 403

Delta R.T. -0.01 min

Lab File: VY000654.D

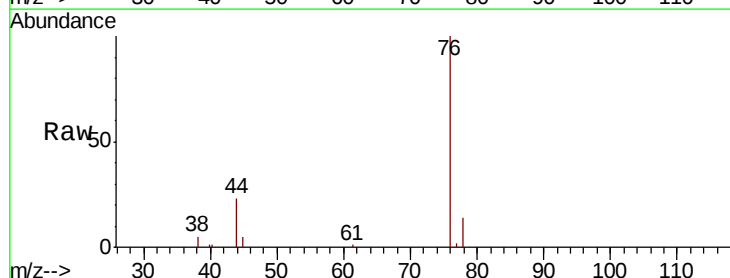
Acq: 12 Nov 2019 14:35

Tgt Ion: 76 Resp: 15507

Ion Ratio Lower Upper

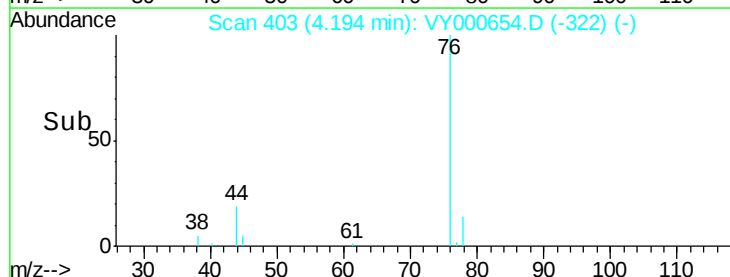
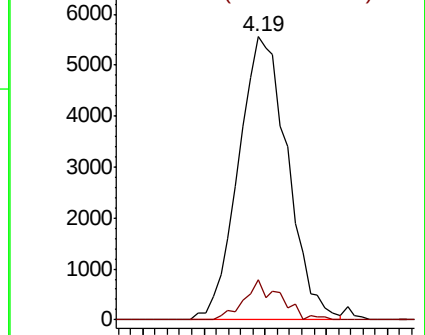
76 100

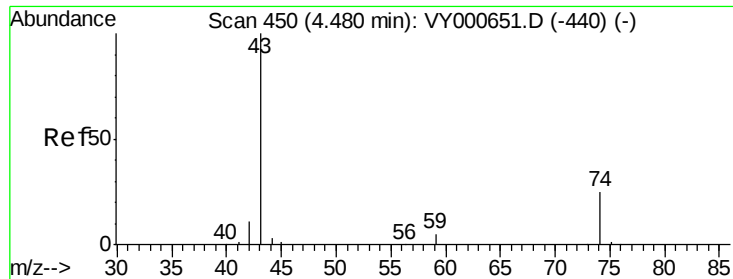
78 14.1 7.0 10.6#



Abundance Ion 76.00 (75.70 to 76.70): VY0

Ion 78.00 (77.70 to 78.70): VY0





#15

Methvl Acetate

Concen: 1.072 ug/L m

RT: 4.50 min Scan# 453

Delta R.T. 0.02 min

Lab File: VY000654.D

Acq: 12 Nov 2019 14:35

Instrument :

MSVOA_Y

ClientSampleId :

MDL02

Tot Ion: 43 Resp: 3791

Ion Ratio Lower Upper

43 100

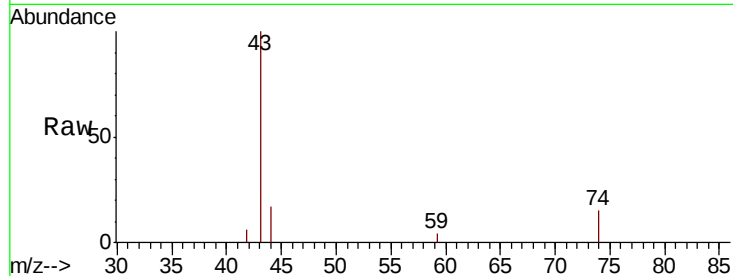
74 8.5 18.1 27.1#

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

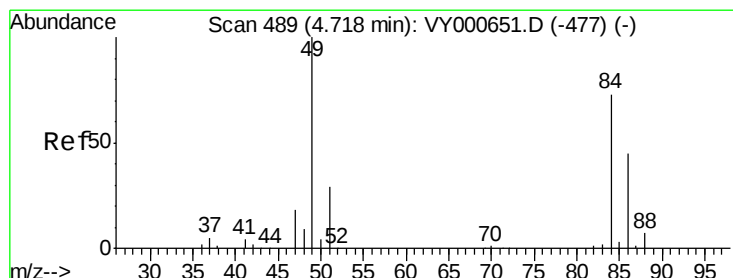
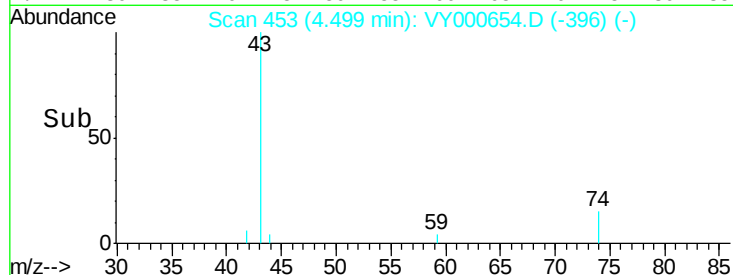
1500

1000

500

0

Time-->



#16

Methylene chloride

Concen: 2.191 ug/L

RT: 4.73 min Scan# 491

Delta R.T. 0.01 min

Lab File: VY000654.D

Acq: 12 Nov 2019 14:35

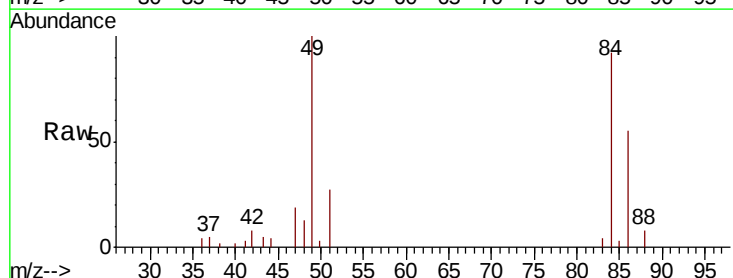
Tgt Ion: 84 Resp: 13100

Ion Ratio Lower Upper

84 100

49 109.2 88.8 165.0

86 60.0 43.9 81.5



Abundance Ion 84.00 (83.70 to 84.70): VY0

Ion 49.00 (48.70 to 49.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

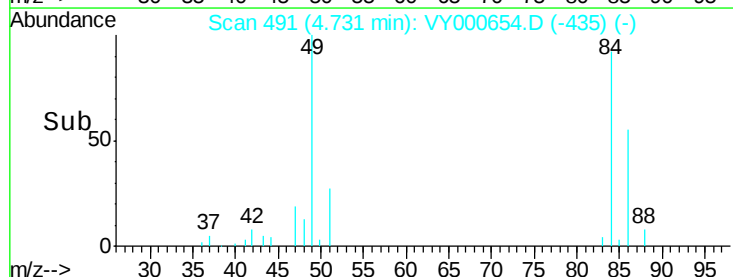
6000

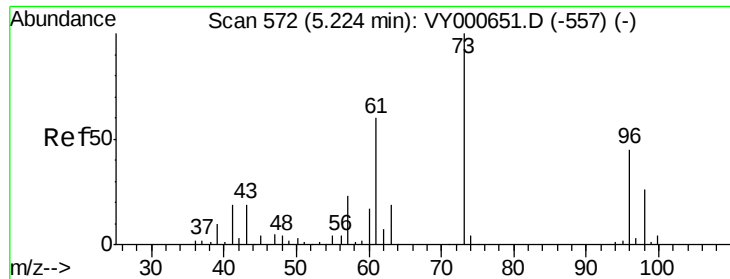
4000

2000

0

Time-->





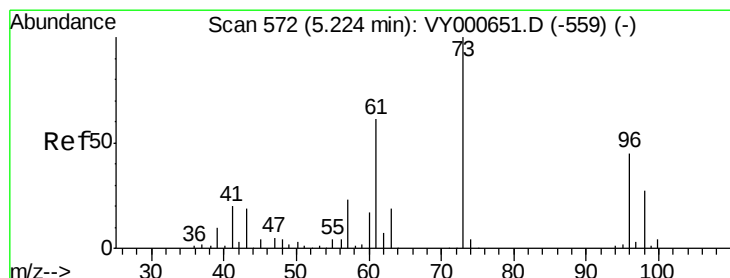
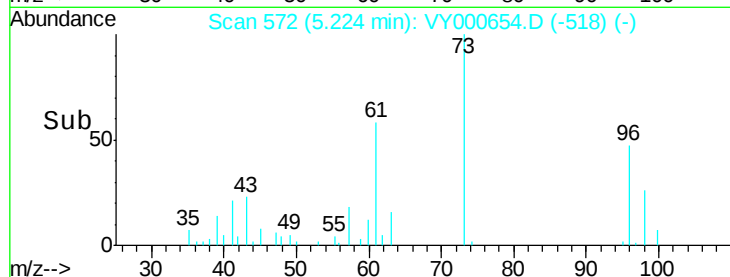
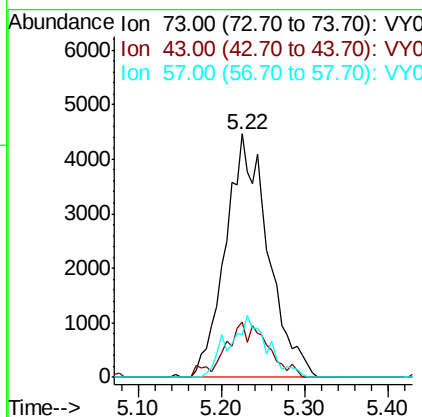
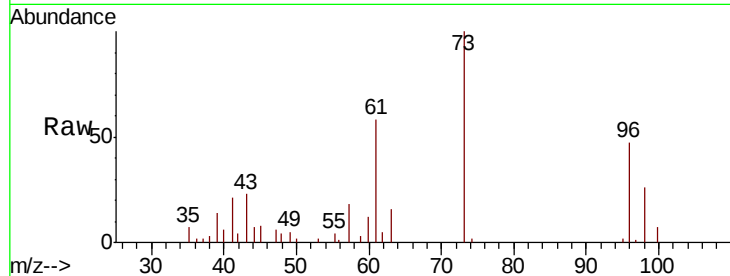
#17
Methvl tert-butvl Ether
Concen: 1.121 ug/L m
RT: 5.22 min Scan# 572
Delta R.T. 0.00 min
Lab File: VY000654.D
Acq: 12 Nov 2019 14:35

Instrument :
MSVOA_Y
ClientSampleId :
MDL02

Tot Ion	Ratio	Lower	Upper
73	100		
43	10.4	15.4	23.0#
57	4.5	17.5	26.3#

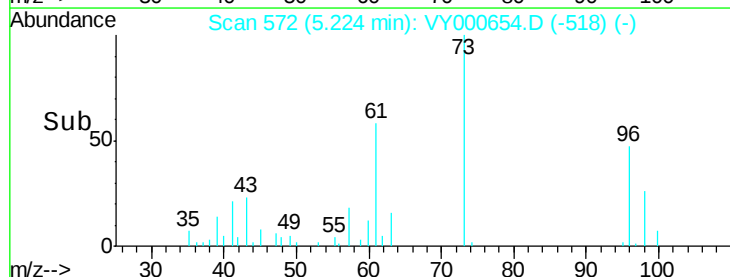
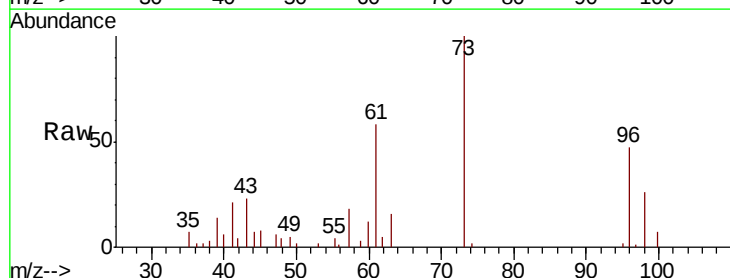
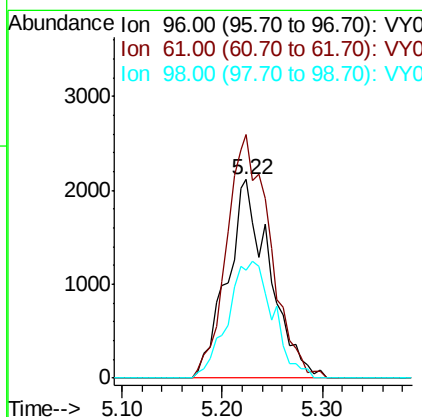
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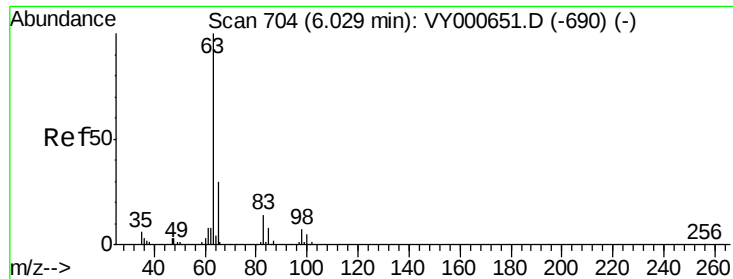
MMDadoda
11/15/2019 3:06:55 PM



#18
trans-1,2-Dichloroethene
Concen: 1.193 ug/L m
RT: 5.22 min Scan# 572
Delta R.T. 0.00 min
Lab File: VY000654.D
Acq: 12 Nov 2019 14:35

Tgt Ion	Ratio	Lower	Upper
96	100		
61	122.6	91.8	170.4
98	54.2	46.3	85.9





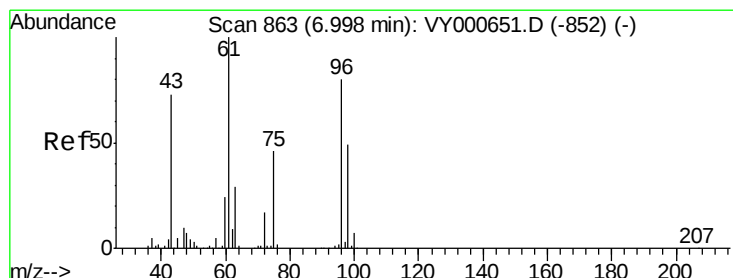
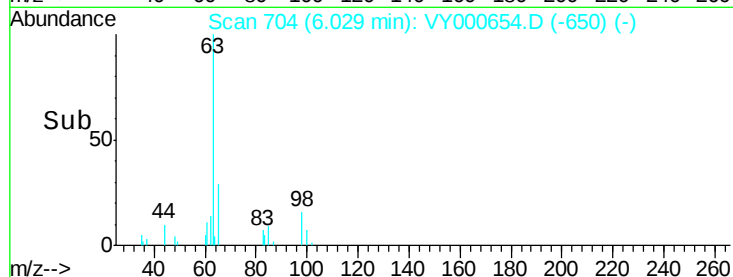
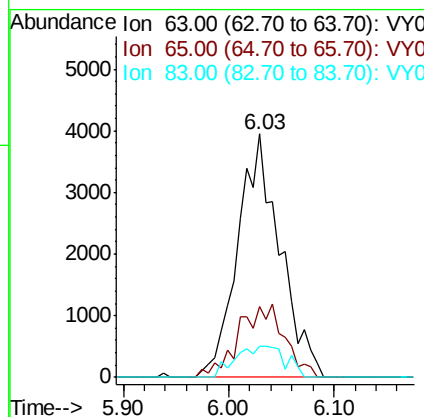
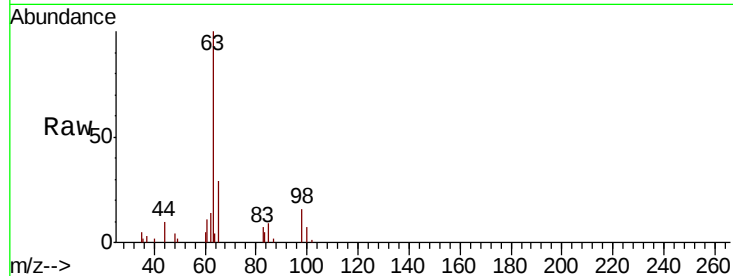
#19
 1,1-Dichloroethane
 Concen: 1.193 ug/L m
 RT: 6.03 min Scan# 704
 Delta R.T. 0.00 min
 Lab File: VY000654.D
 Acq: 12 Nov 2019 14:35

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL02

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.3	23.9	44.5
83	7.2	10.1	18.9#

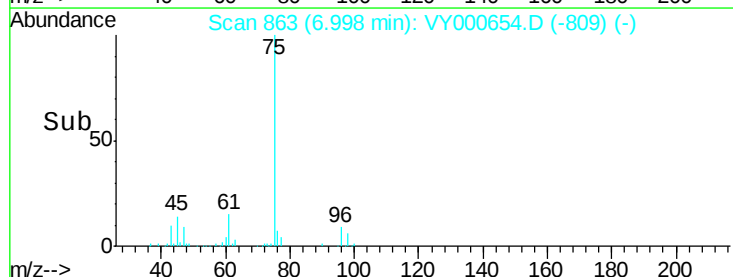
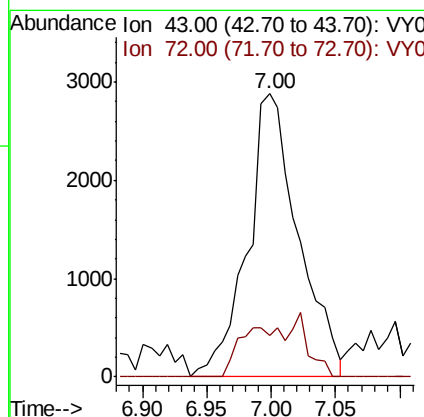
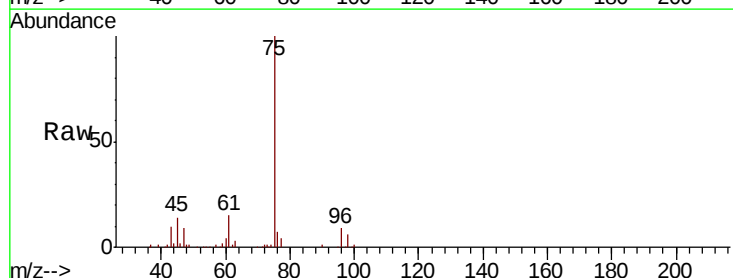
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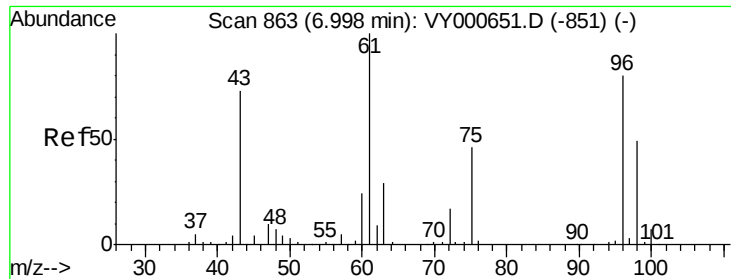
MMDadoda
 11/15/2019 3:06:55 PM



#21
 2-Butanone
 Concen: 2.888 ug/L
 RT: 7.00 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VY000654.D
 Acq: 12 Nov 2019 14:35

Tgt Ion	Ratio	Lower	Upper
43	100		
72	11.1	12.6	37.8#





#22

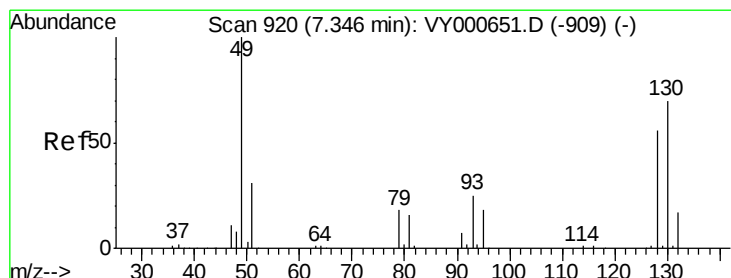
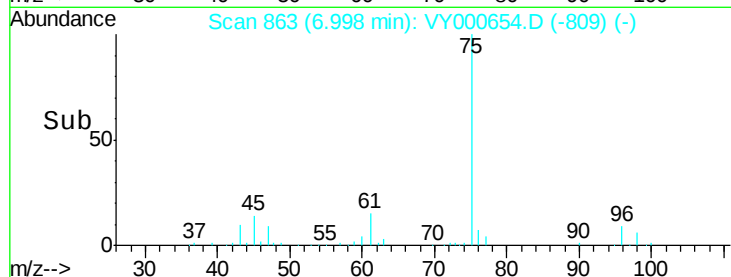
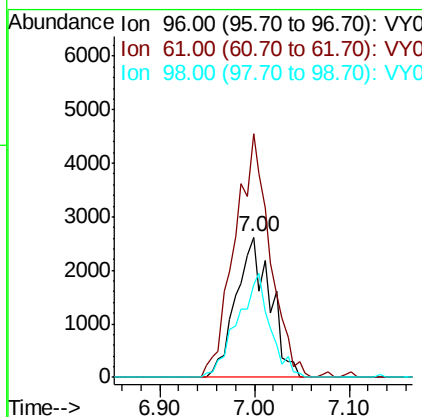
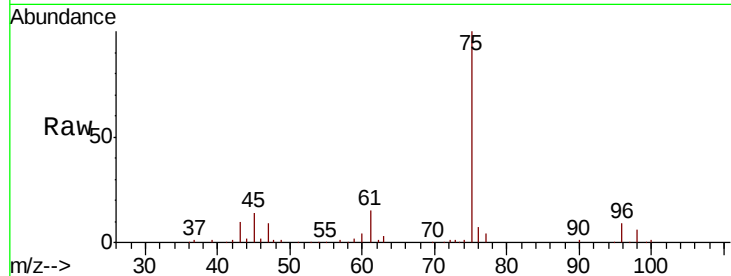
cis-1,2-Dichloroethene
Concen: 1.116 ug/L m
RT: 7.00 min Scan# 863
Delta R.T. 0.00 min
Lab File: VY000654.D
Acq: 12 Nov 2019 14:35

Instrument :
MSVOA_Y
ClientSampleId :
MDL02

Tot Ion	Ratio	Lower	Upper
96	100		
61	173.8	86.8	161.2#
98	66.1	44.6	82.8

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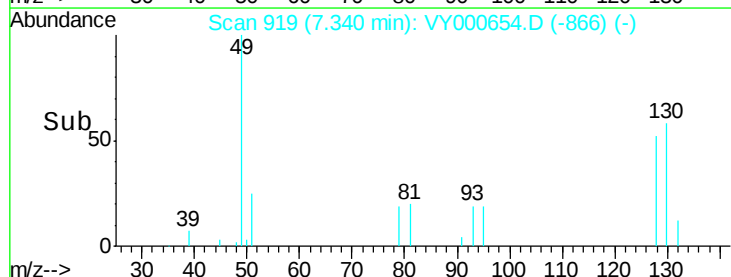
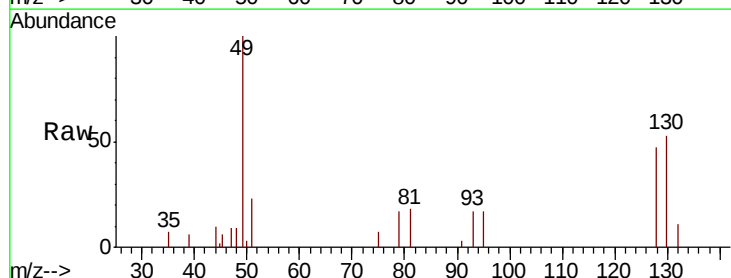
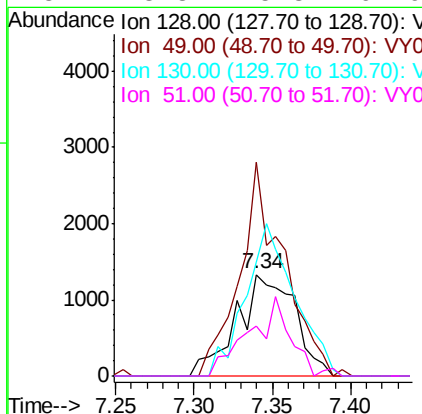
MMDadoda
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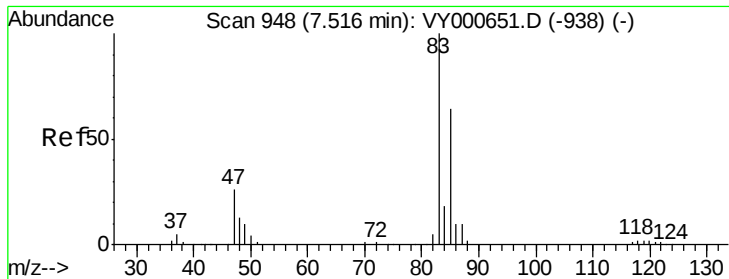


#23

Bromochloromethane
Concen: 1.355 ug/L m
RT: 7.34 min Scan# 919
Delta R.T. -0.01 min
Lab File: VY000654.D
Acq: 12 Nov 2019 14:35

Tgt Ion	Ratio	Lower	Upper
128	100		
49	211.0	131.5	244.3
130	112.8	96.7	179.5
51	48.8	45.3	67.9





#25

Chloroform

Concen: 1.837 ug/L

RT: 7.51 min Scan# 947

Delta R.T. -0.01 min

Lab File: VY000654.D

Acq: 12 Nov 2019 14:35

Instrument :

MSVOA_Y

ClientSampleId :

MDL02

Tot Ion: 83 Resp: 18276

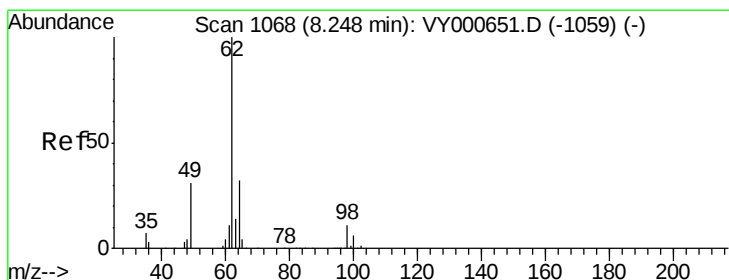
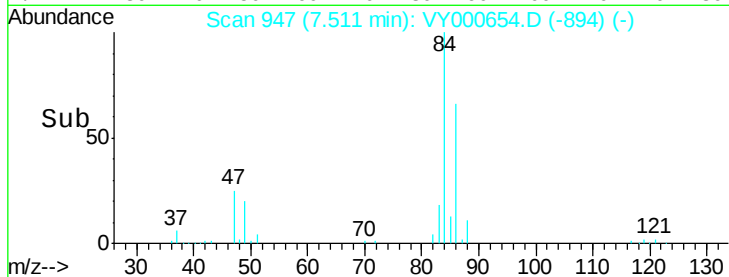
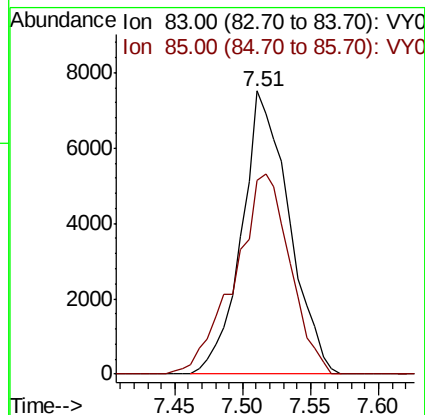
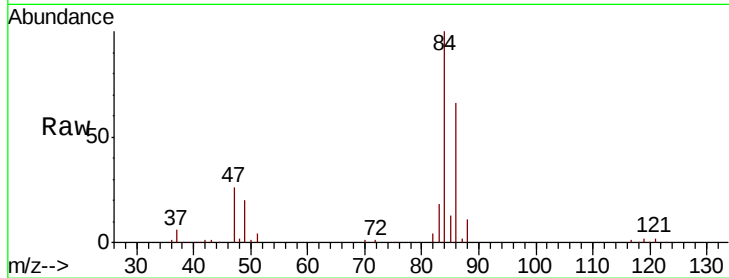
Ion Ratio Lower Upper

83 100

85 82.5 45.6 84.6

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#27

1,2-Dichloroethane

Concen: 1.257 ug/L

RT: 8.24 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VY000654.D

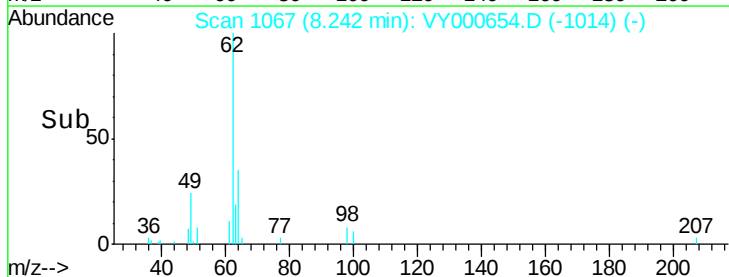
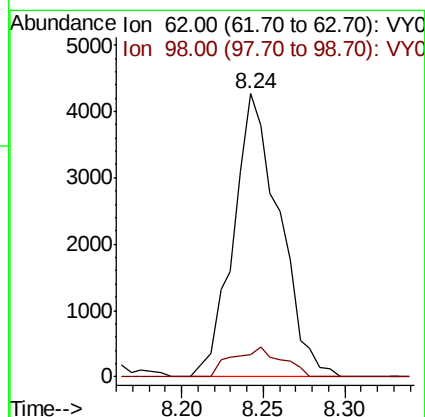
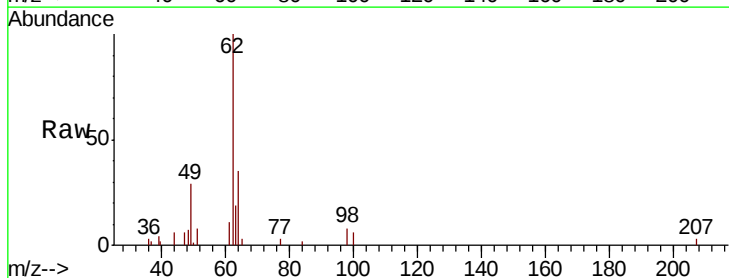
Acq: 12 Nov 2019 14:35

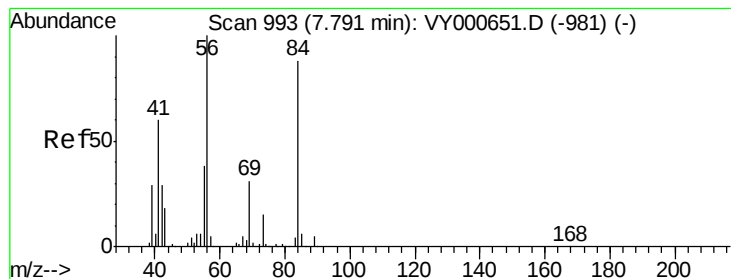
Tgt Ion: 62 Resp: 8361

Ion Ratio Lower Upper

62 100

98 7.6 7.5 11.3





#30

Cyclohexane

Concen: 1.072 ug/L m

RT: 7.79 min Scan# 993

Delta R.T. 0.00 min

Lab File: VY000654.D

Acq: 12 Nov 2019 14:35

Instrument :

MSVOA_Y

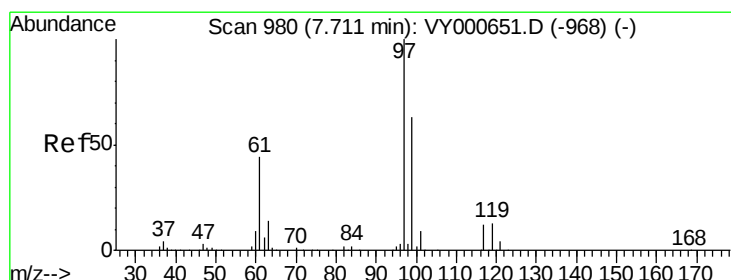
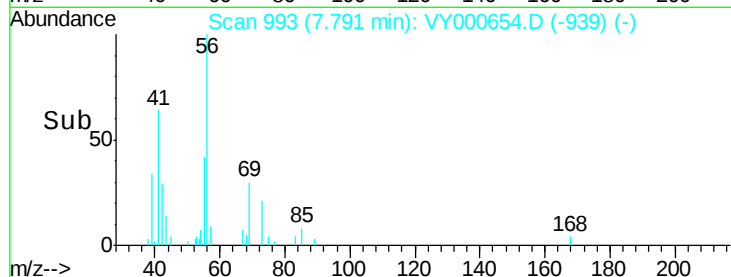
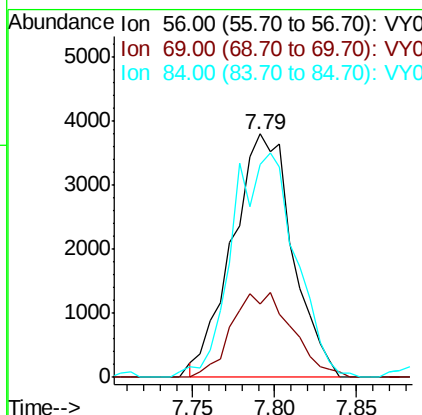
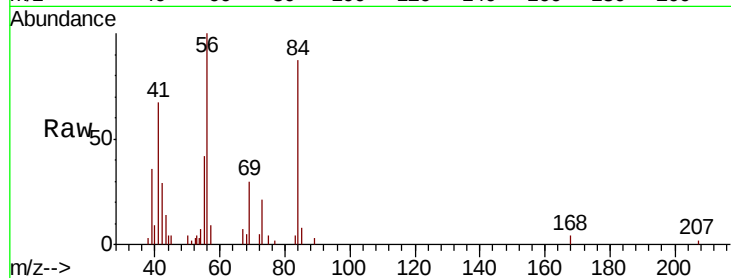
ClientSampleId :

MDL02

Tot Ion:	56	Resp:	9685
Ion	Ratio	Lower	Upper
56	100		
69	35.0	24.1	36.1
84	60.6	70.2	105.4#

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#31

1,1,1-Trichloroethane

Concen: 1.170 ug/L

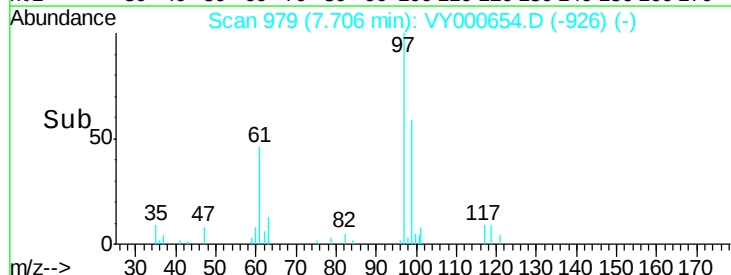
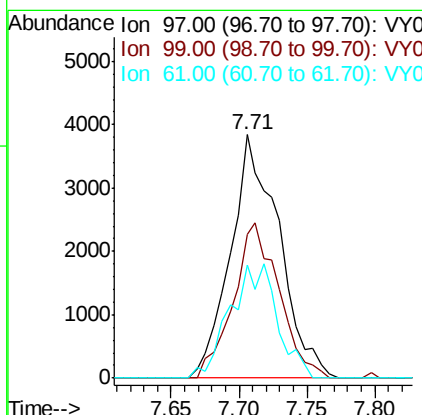
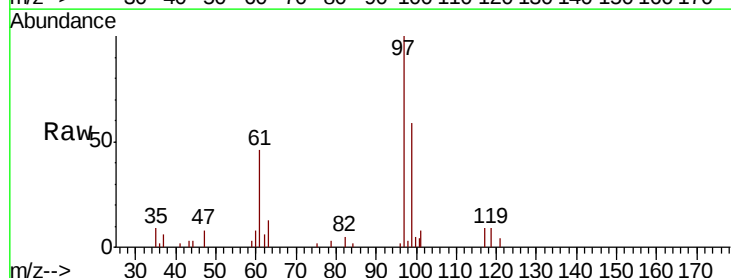
RT: 7.71 min Scan# 979

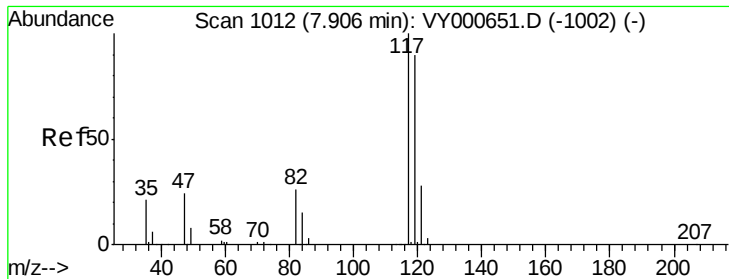
Delta R.T. -0.01 min

Lab File: VY000654.D

Acq: 12 Nov 2019 14:35

Tgt Ion:	97	Resp:	9542
Ion	Ratio	Lower	Upper
97	100		
99	60.2	51.4	77.0
61	26.8	34.7	52.1#





#32

Carbon tetrachloride

Concen: 1.220 ug/L m

RT: 7.91 min Scan# 1013

Delta R.T. 0.01 min

Lab File: VY000654.D

Acq: 12 Nov 2019 14:35

Instrument :

MSVOA_Y

ClientSampleId :

MDL02

Tot Ion:117 Resp: 8669

Ion Ratio Lower Upper

117 100

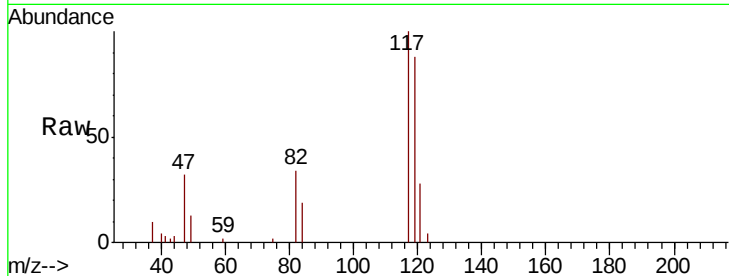
119 93.0 76.2 114.2

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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

4000

3000

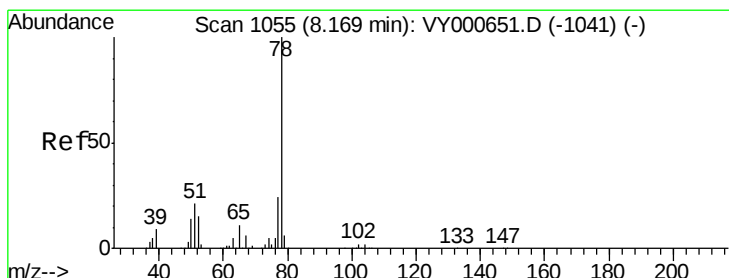
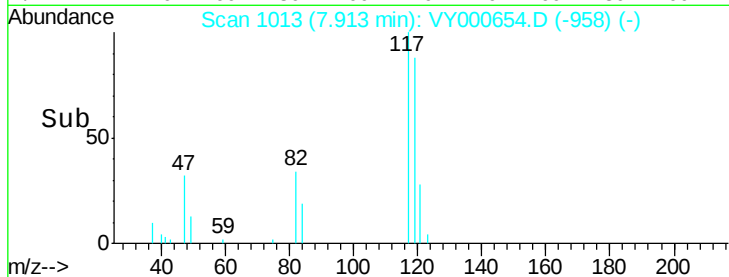
2000

1000

0

7.80 7.90 8.00

Time-->



#34

Benzene

Concen: 1.187 ug/L

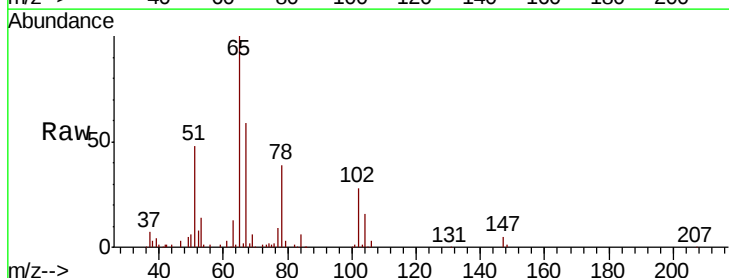
RT: 8.17 min Scan# 1055

Delta R.T. 0.00 min

Lab File: VY000654.D

Acq: 12 Nov 2019 14:35

Tgt Ion: 78 Resp: 25681



Abundance Ion 78.00 (77.70 to 78.70): VY0

12000

10000

8000

6000

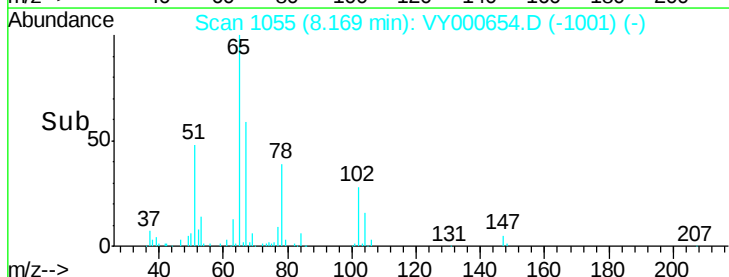
4000

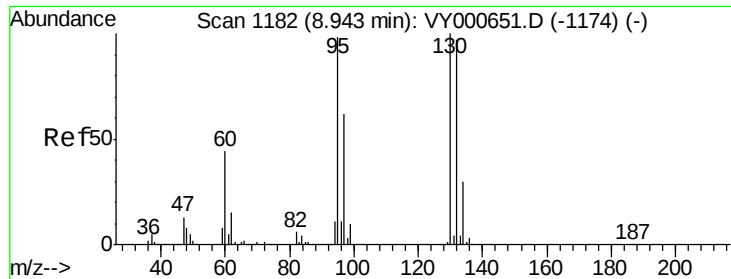
2000

0

8.10 8.15 8.20 8.25

Time-->





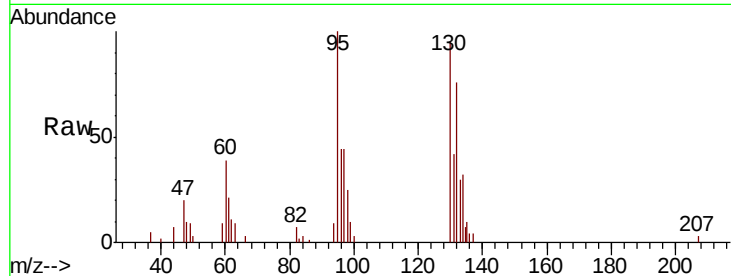
#35
 Trichloroethene
 Concen: 1.244 ug/L
 RT: 8.94 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VY000654.D
 Acq: 12 Nov 2019 14:35

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL02

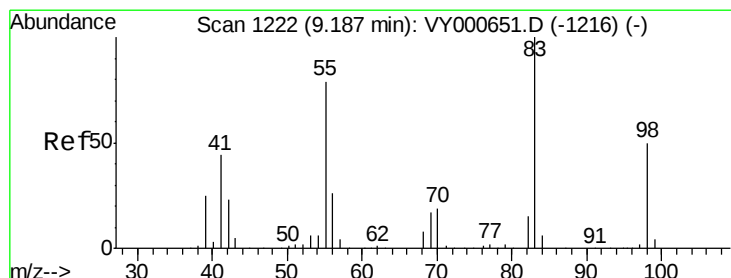
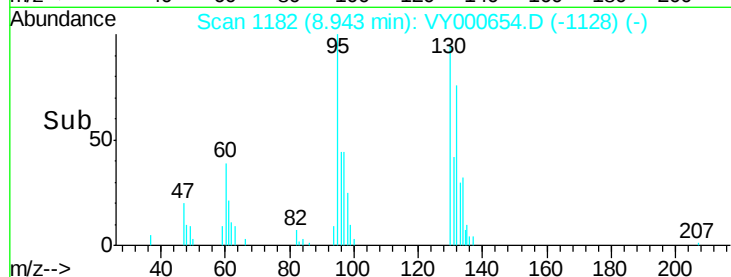
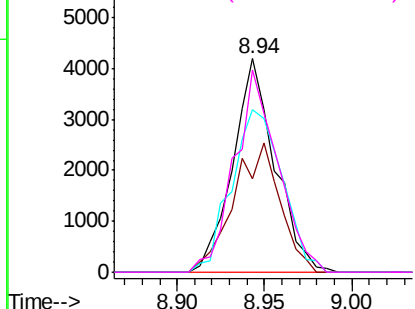
Tot Ion	95	Resp	7056
Ion	Ratio	Lower	Upper
95	100		
97	66.5	44.4	82.4
132	91.9	66.8	124.0
130	97.1	70.9	131.7

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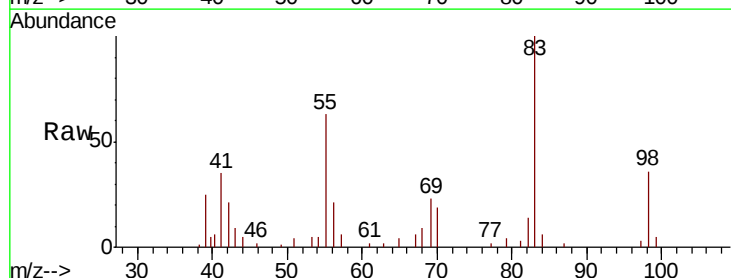


Abundance Ion 95.00 (94.70 to 95.70): VY0
 Ion 97.00 (96.70 to 97.70): VY0
 Ion 132.00 (131.70 to 132.70): VY0
 Ion 130.00 (129.70 to 130.70): VY0

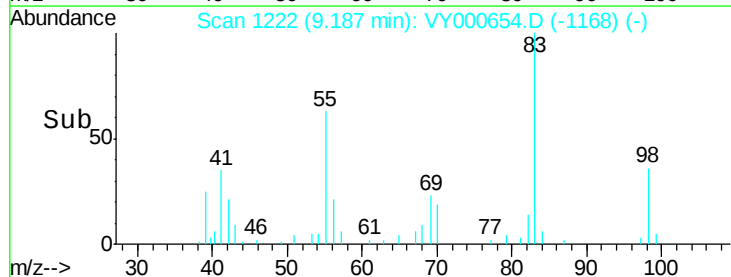
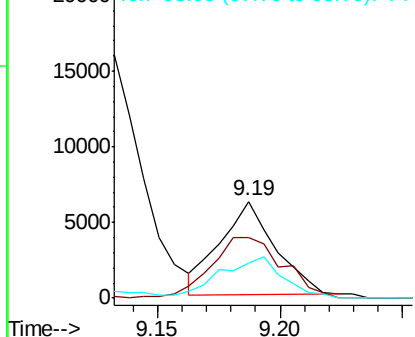


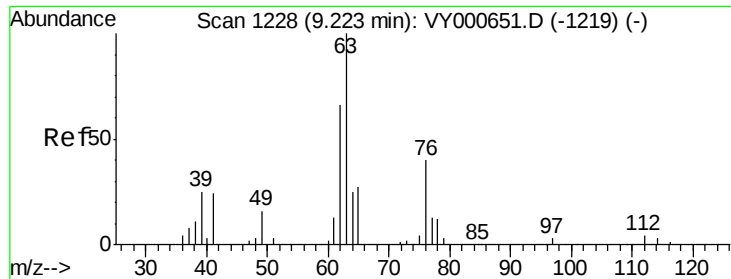
#36
 Methylcyclohexane
 Concen: 0.982 ug/L
 RT: 9.19 min Scan# 1222
 Delta R.T. 0.00 min
 Lab File: VY000654.D
 Acq: 12 Nov 2019 14:35

Tgt Ion	83	Resp	9535
Ion	Ratio	Lower	Upper
83	100		
55	86.5	60.0	90.0
98	52.1	40.2	60.2



Abundance Ion 83.00 (82.70 to 83.70): VY0
 Ion 55.00 (54.70 to 55.70): VY0
 Ion 98.00 (97.70 to 98.70): VY0





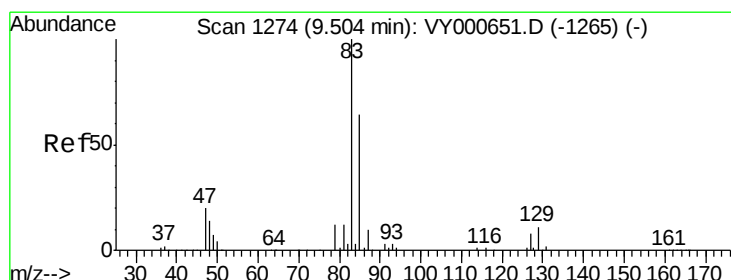
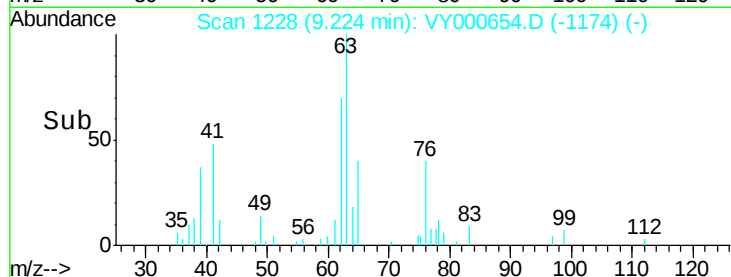
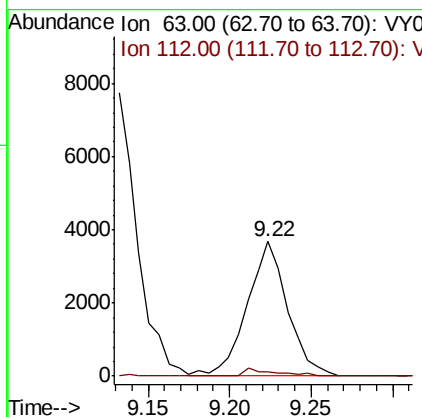
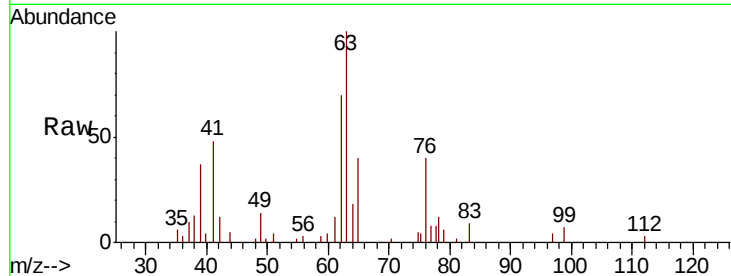
#40
 1,2-Dichloropropane
 Concen: 1.161 ug/L
 RT: 9.22 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VY000654.D
 Acq: 12 Nov 2019 14:35

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL02

Tot Ion: 63 Resp: 6365
 Ion Ratio Lower Upper
 63 100
 112 2.6 3.2 4.8#

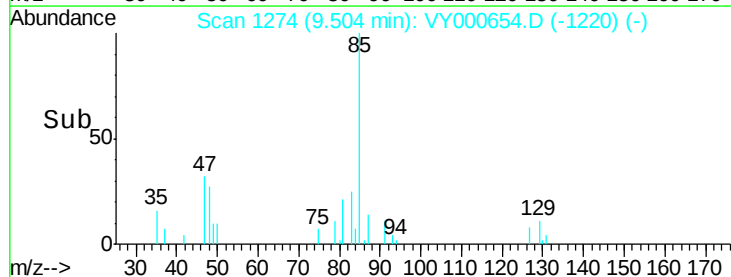
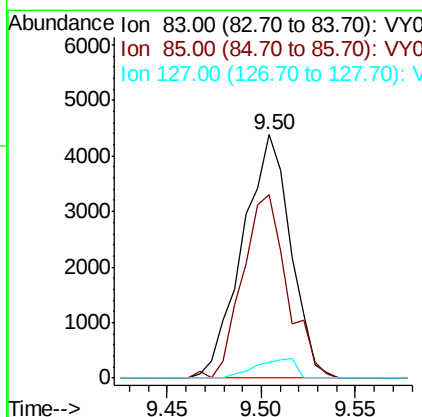
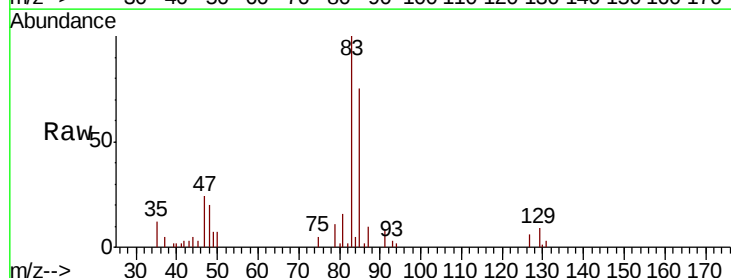
Manual Integrations
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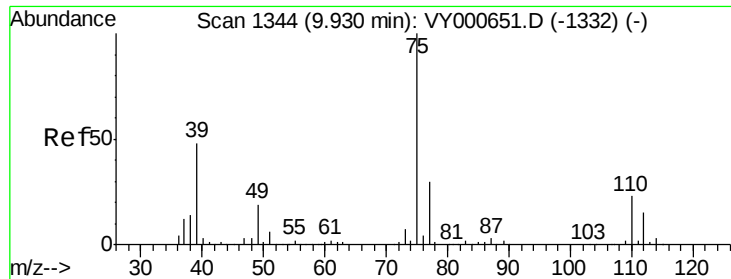
MMDadoda
 11/15/2019 3:06:55 PM



#41
 Bromodichloromethane
 Concen: 1.099 ug/L
 RT: 9.50 min Scan# 1274
 Delta R.T. 0.00 min
 Lab File: VY000654.D
 Acq: 12 Nov 2019 14:35

Tgt Ion: 83 Resp: 7755
 Ion Ratio Lower Upper
 83 100
 85 75.4 46.1 85.5
 127 6.3 6.5 9.7#





#42

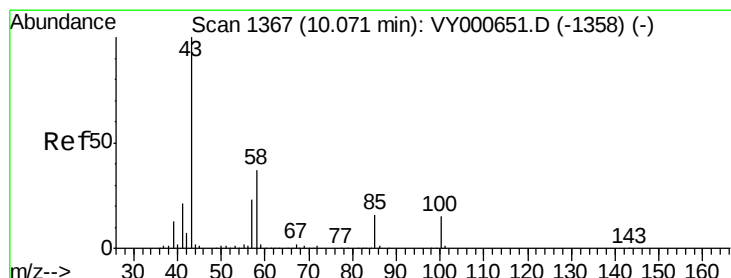
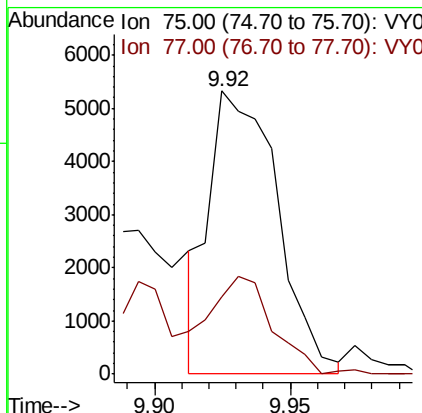
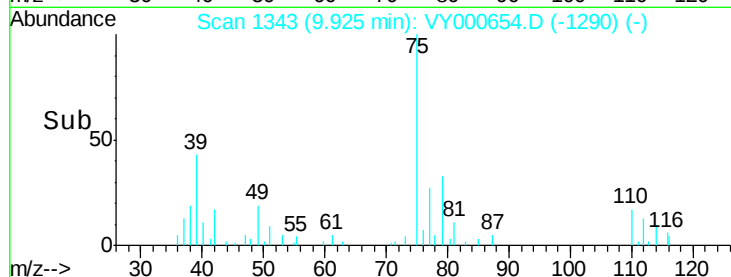
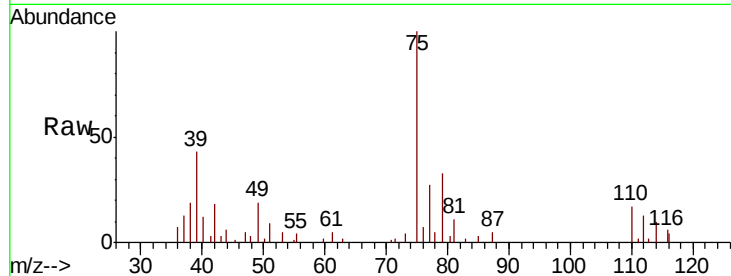
cis-1,3-Dichloropropene
Concen: 1.043 ug/L
RT: 9.92 min Scan# 1343
Delta R.T. -0.01 min
Lab File: VY000654.D
Acq: 12 Nov 2019 14:35

Instrument :
MSVOA_Y
ClientSampleId :
MDL02

Tot Ion: 75 Resp: 9214
Ion Ratio Lower Upper
75 100
77 27.2 21.7 40.3

Manual Integrations
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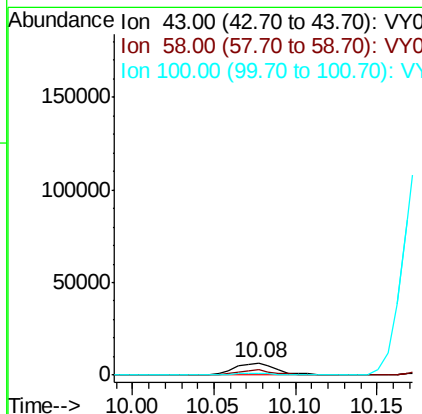
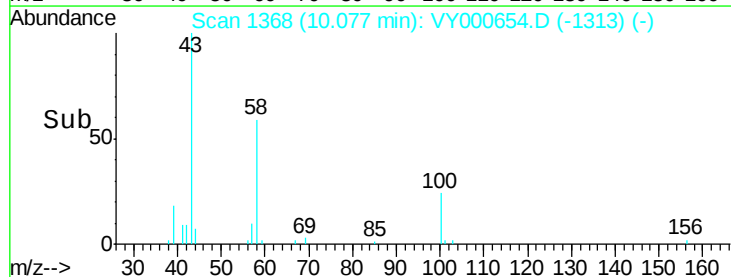
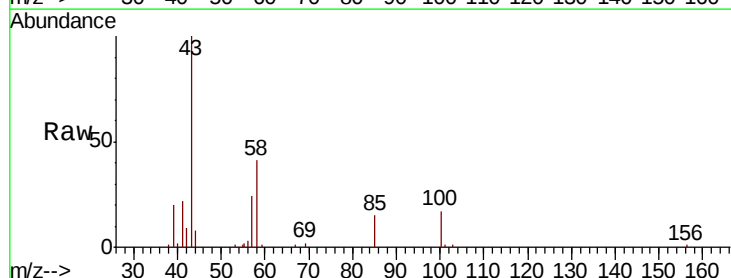
MMDadoda
11/15/2019 3:06:55 PM

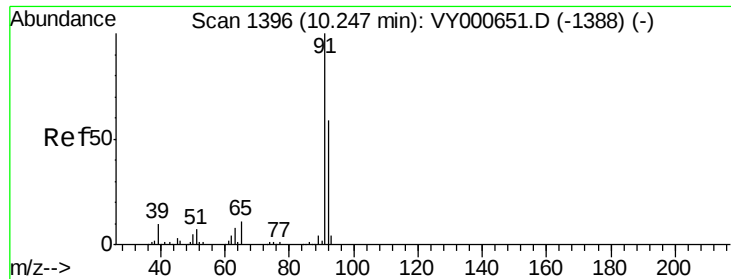


#43

4-Methyl-2-pentanone
Concen: 2.317 ug/L
RT: 10.08 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VY000654.D
Acq: 12 Nov 2019 14:35

Tgt Ion: 43 Resp: 12153
Ion Ratio Lower Upper
43 100
58 38.5 30.6 45.8
100 15.4 12.0 18.0





#44

Toluene

Concen: 1.240 ug/L

RT: 10.25 min Scan# 1396

Delta R.T. 0.00 min

Lab File: VY000654.D

Acq: 12 Nov 2019 14:35

Instrument :

MSVOA_Y

ClientSampleId :

MDL02

Tot Ion: 91 Resp: 29012

Ion Ratio Lower Upper

91 100

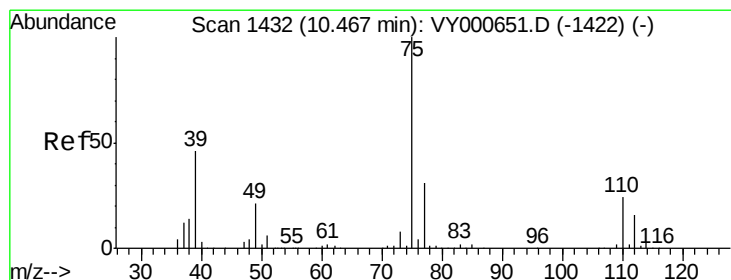
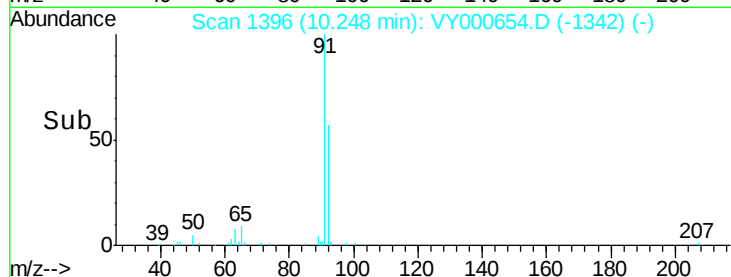
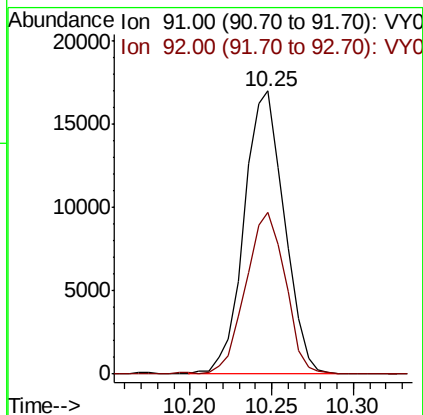
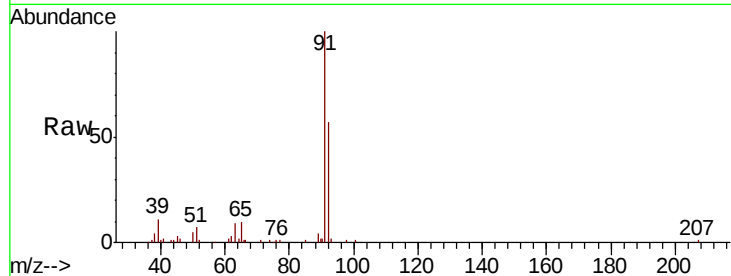
92 57.3 39.5 73.4

Manual Integrations

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MMDadoda

11/15/2019 3:06:55 PM



#45

trans-1,3-Dichloropropene

Concen: 1.230 ug/L m

RT: 10.47 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VY000654.D

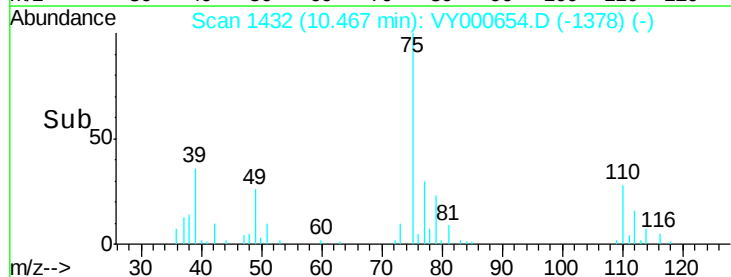
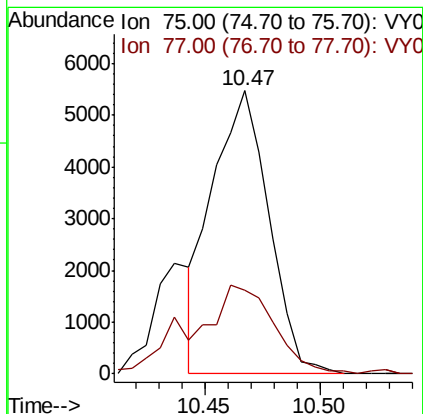
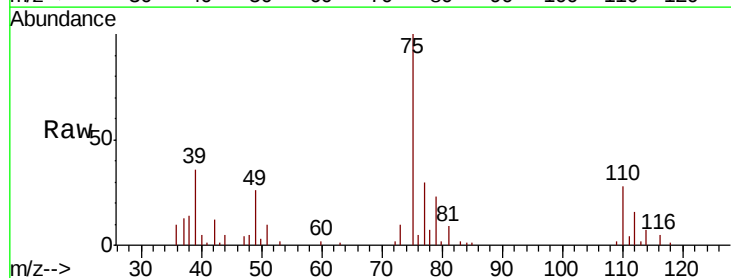
Acq: 12 Nov 2019 14:35

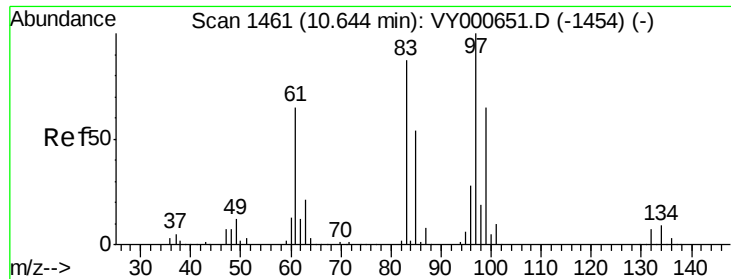
Tgt Ion: 75 Resp: 9332

Ion Ratio Lower Upper

75 100

77 29.6 20.4 37.8





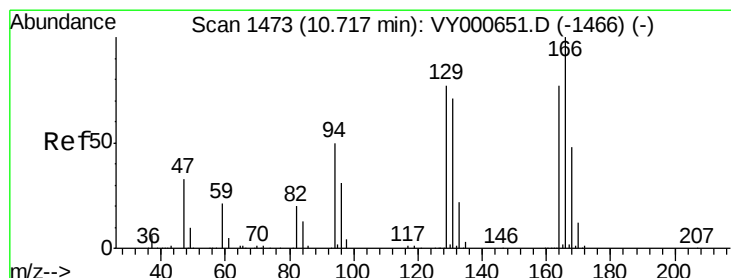
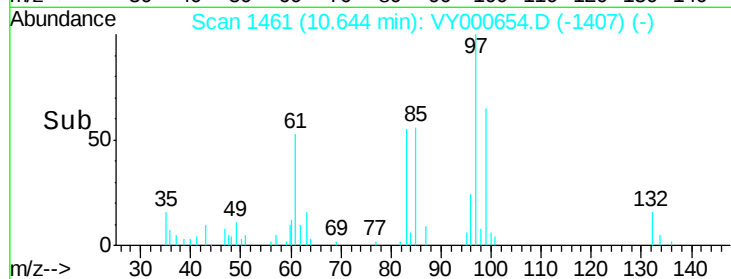
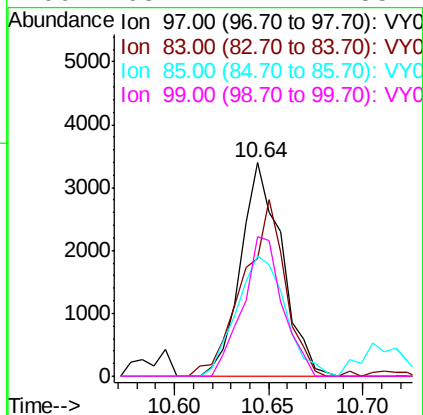
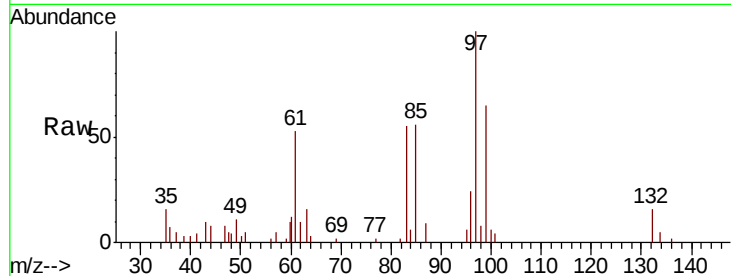
#46
1,1,2-Trichloroethane
Concen: 1.147 ug/L
RT: 10.64 min Scan# 1461
Delta R.T. 0.00 min
Lab File: VY000654.D
Acq: 12 Nov 2019 14:35

Instrument :
MSVOA_Y
ClientSampleId :
MDL02

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	55.2	58.7	109.1#	
85	56.4	37.3	69.3	
99	65.1	44.7	83.1	

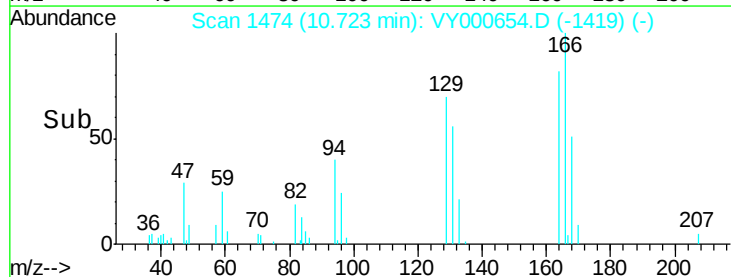
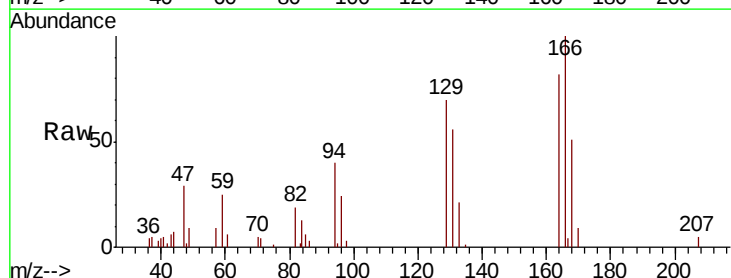
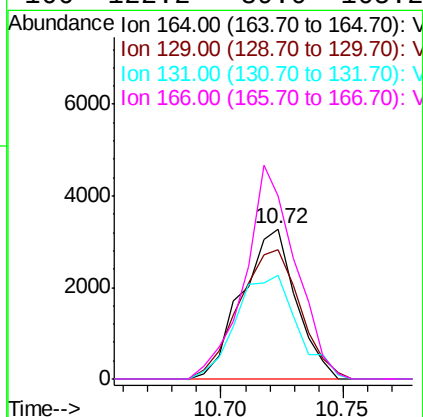
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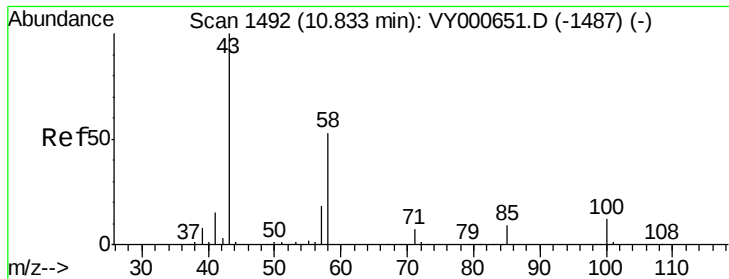
MMDadoda
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#47
Tetrachloroethene
Concen: 1.195 ug/L
RT: 10.72 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VY000654.D
Acq: 12 Nov 2019 14:35

Tgt Ion	Ion	Ratio	Lower	Upper
164	100			
129	85.8	69.6	129.2	
131	68.8	66.8	124.2	
166	122.2	89.0	165.2	





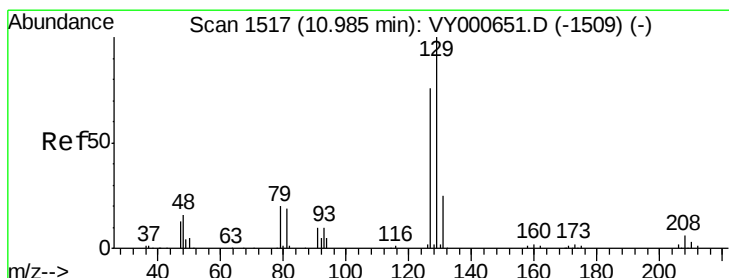
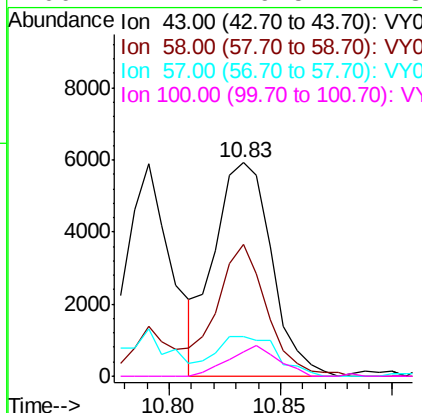
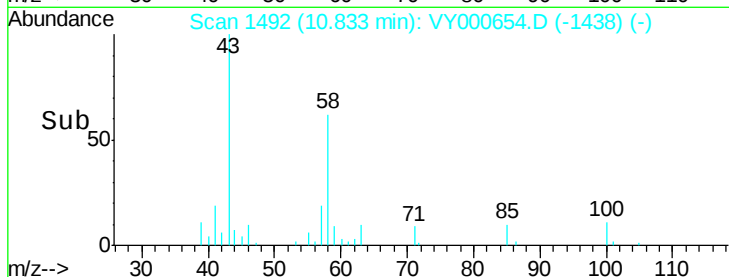
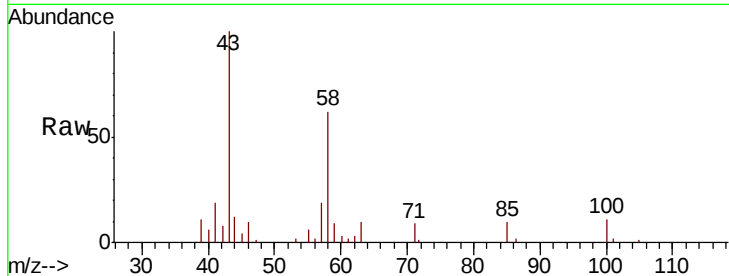
#49
2-Hexanone
Concen: 2.592 ug/L
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY000654.D
Acq: 12 Nov 2019 14:35

Instrument :
MSVOA_Y
ClientSampleId :
MDL02

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
58	56.2	44.1	66.1	
57	20.8	13.9	20.9	
100	12.2	9.5	14.3	

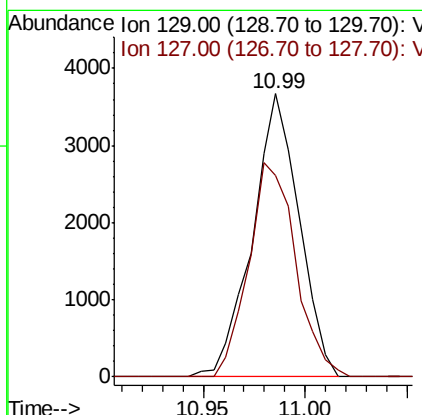
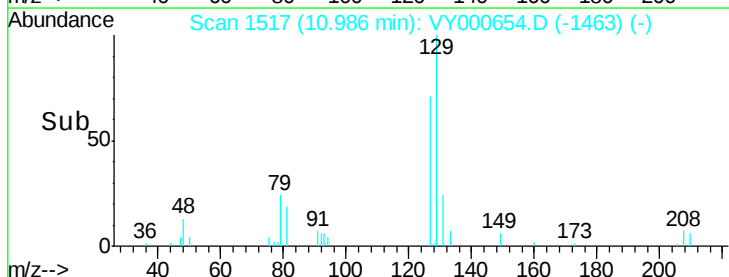
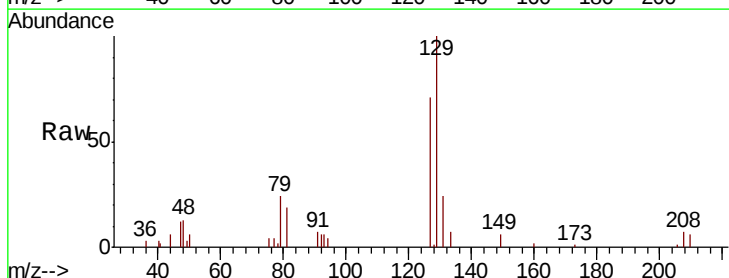
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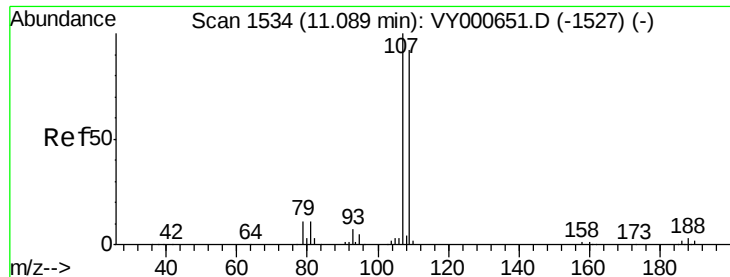
MMDadoda
11/15/2019 3:06:55 PM



#50
Dibromochloromethane
Concen: 1.152 ug/L
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY000654.D
Acq: 12 Nov 2019 14:35

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	71.4	57.9	107.5	





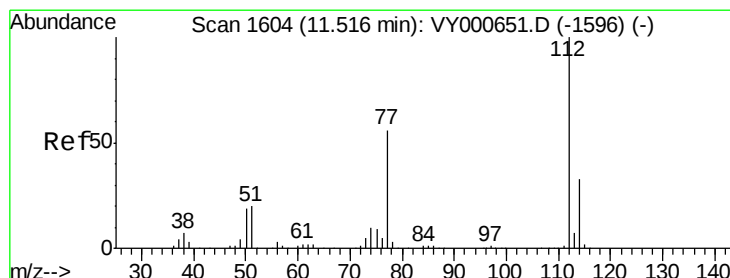
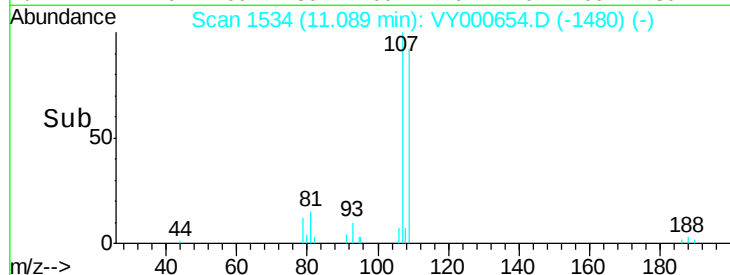
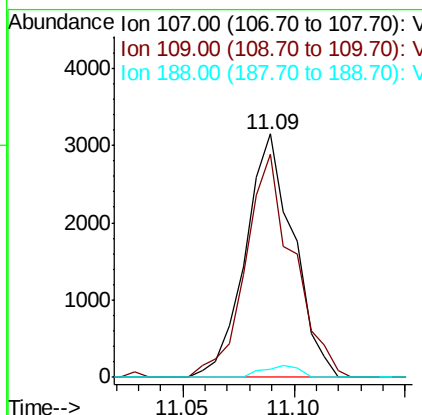
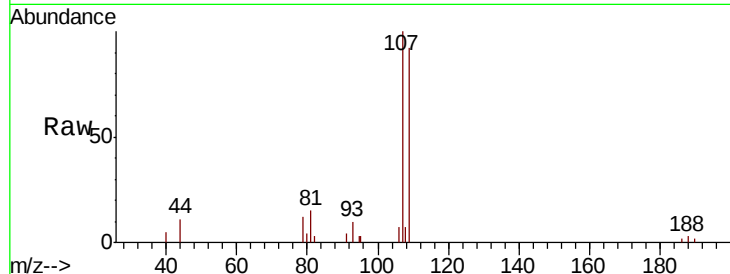
#51
 1,2-Dibromoethane
 Concen: 1.074 ug/L
 RT: 11.09 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VY000654.D
 Acq: 12 Nov 2019 14:35

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL02

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.6	65.5	121.6
188	3.5	2.7	4.1

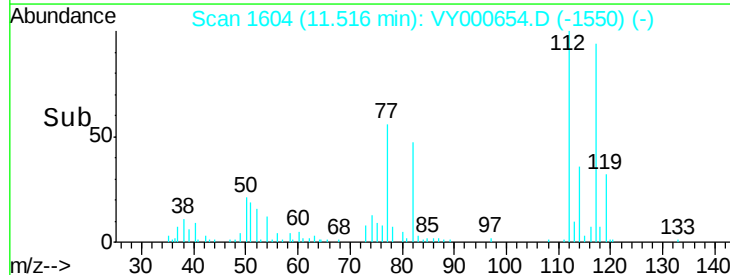
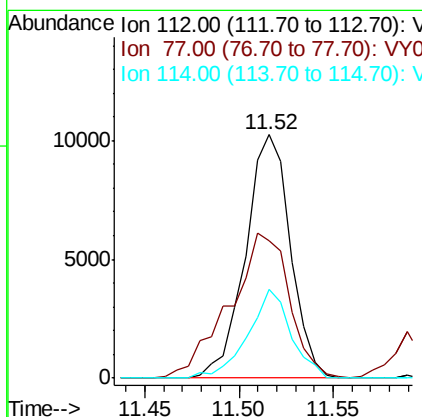
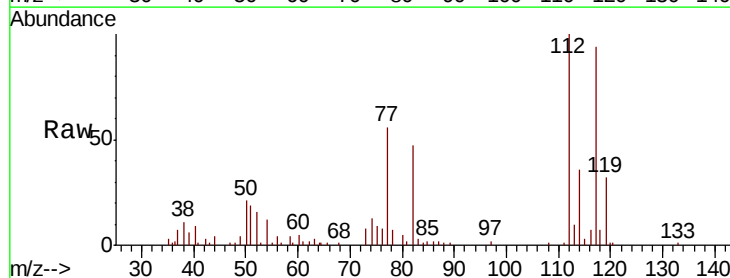
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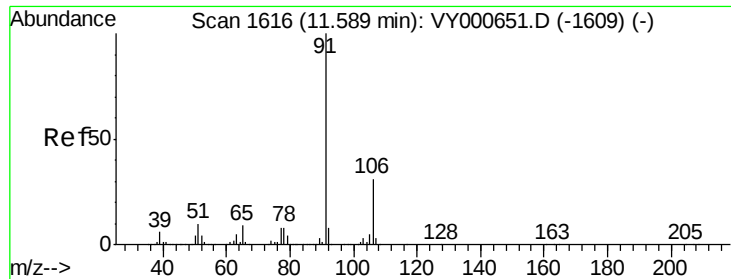
MMDadoda
 11/15/2019 3:06:55 PM



#52
 Chlorobenzene
 Concen: 1.138 ug/L
 RT: 11.52 min Scan# 1604
 Delta R.T. 0.00 min
 Lab File: VY000654.D
 Acq: 12 Nov 2019 14:35

Tgt Ion	Ratio	Lower	Upper
112	100		
77	56.3	47.4	71.0
114	36.3	23.0	42.6





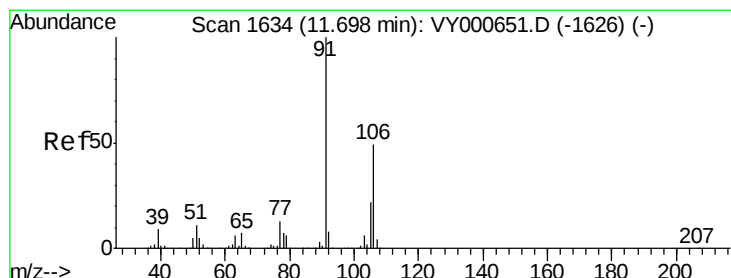
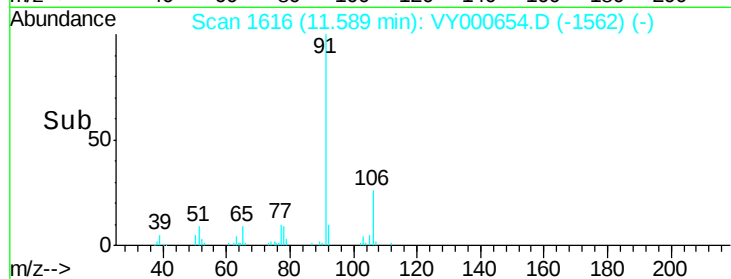
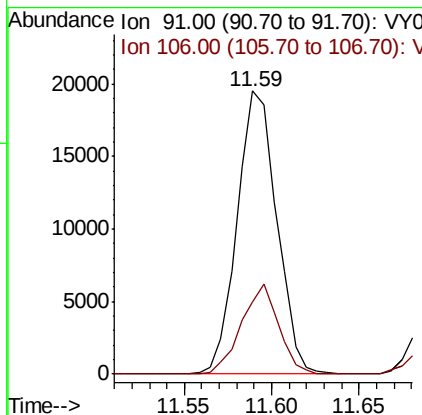
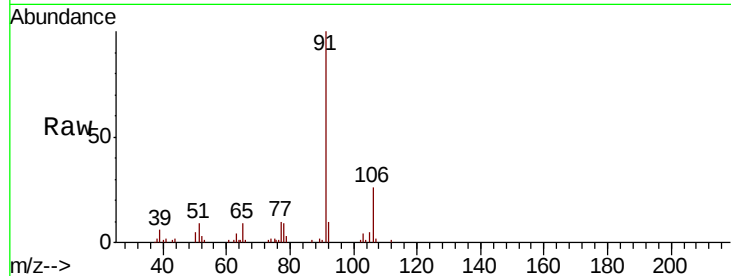
#53
Ethylbenzene
Concen: 1.162 ug/L
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY000654.D
Acq: 12 Nov 2019 14:35

Instrument :
MSVOA_Y
ClientSampleId :
MDL02

Tot Ion: 91 Resp: 30764
Ion Ratio Lower Upper
91 100
106 25.7 20.9 38.7

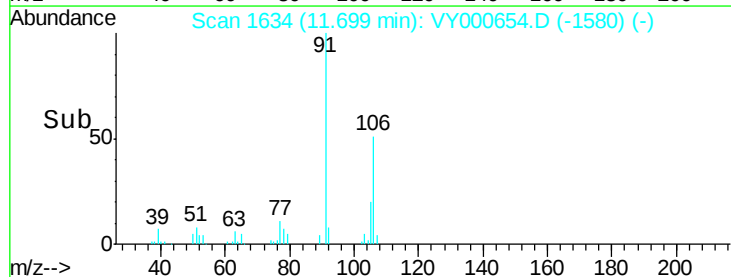
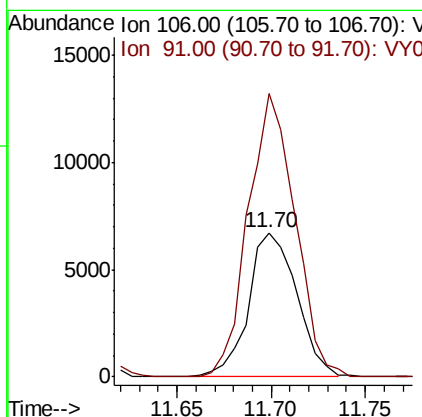
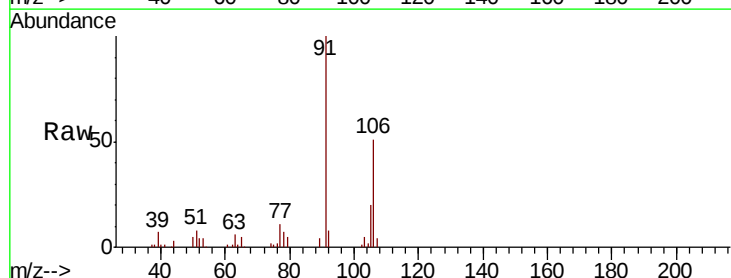
Manual Integrations
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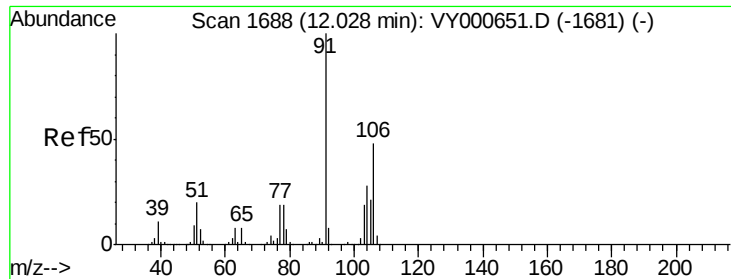
MMDadoda
11/15/2019 3:06:55 PM



#54
m,p-Xylene
Concen: 1.191 ug/L
RT: 11.70 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VY000654.D
Acq: 12 Nov 2019 14:35

Tgt Ion: 106 Resp: 11932
Ion Ratio Lower Upper
106 100
91 196.8 137.4 255.2





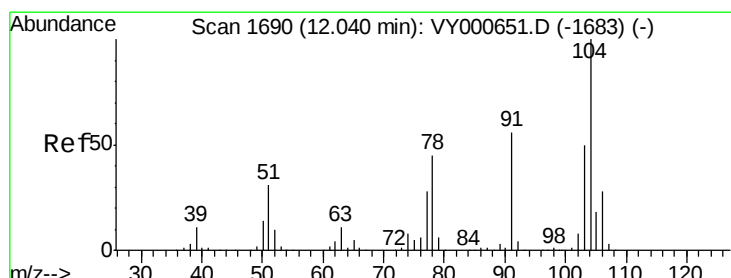
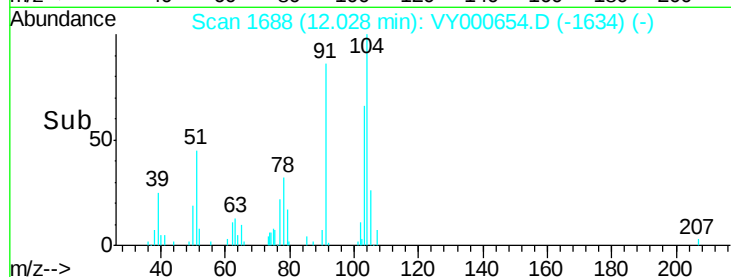
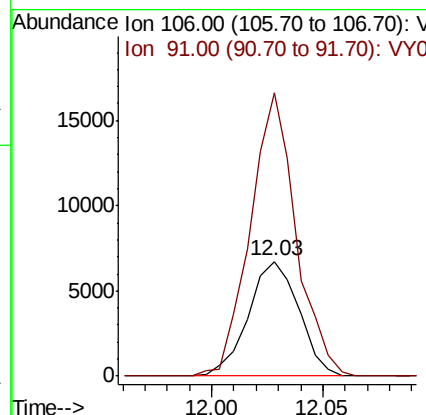
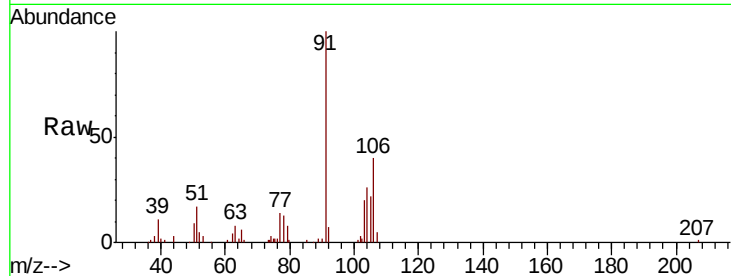
#55
o-xylene
Concen: 1.085 ug/L
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY000654.D
Acq: 12 Nov 2019 14:35

Instrument :
MSVOA_Y
ClientSampled :
MDL02

Tot Ion:106 Resp: 10669
Ion Ratio Lower Upper
106 100
91 247.3 147.8 274.6

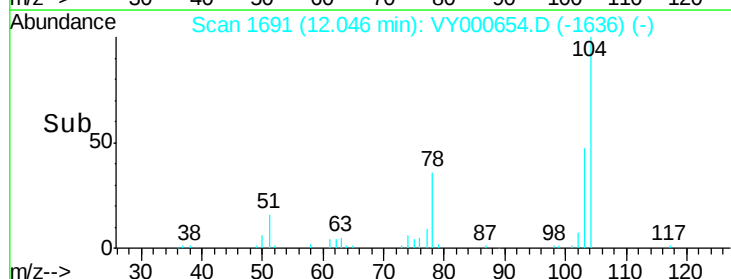
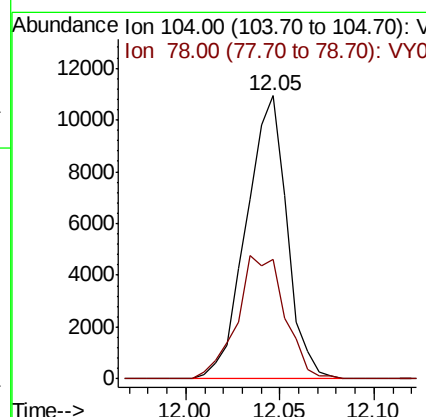
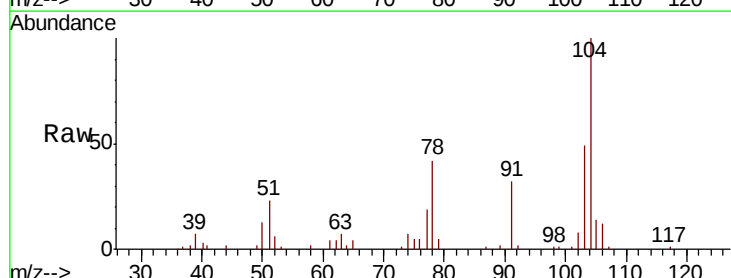
Manual Integrations
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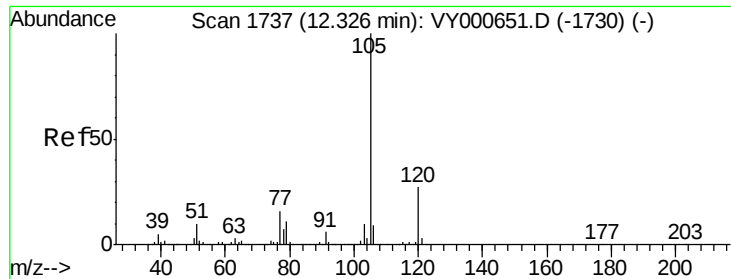
MMDadoda
11/15/2019 3:06:55 PM



#56
Styrene
Concen: 1.002 ug/L
RT: 12.05 min Scan# 1691
Delta R.T. 0.01 min
Lab File: VY000654.D
Acq: 12 Nov 2019 14:35

Tgt Ion:104 Resp: 16359
Ion Ratio Lower Upper
104 100
78 42.2 31.5 58.5





#57

Isopropylbenzene

Concen: 1.055 ug/L

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY000654.D

Acq: 12 Nov 2019 14:35

Instrument :

MSVOA_Y

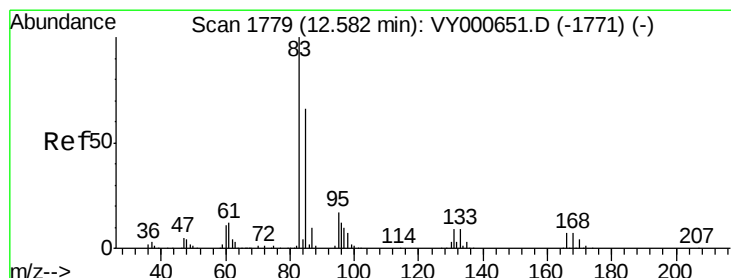
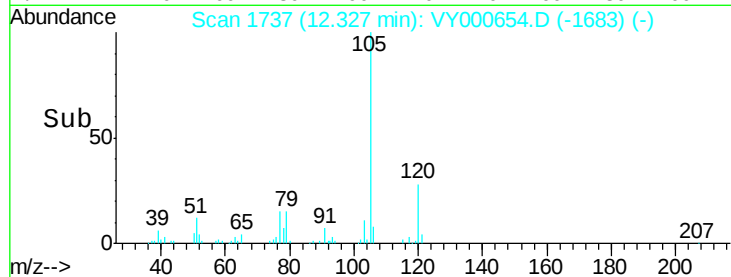
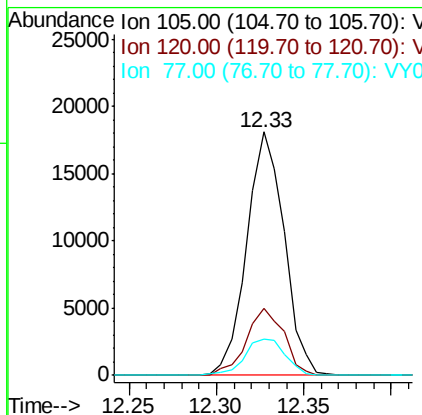
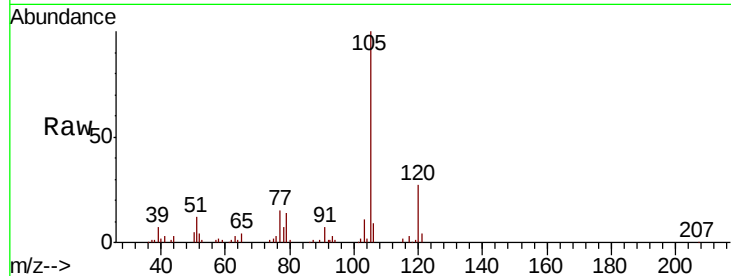
ClientSampleID :

MDL02

Tot Ion:	105	Resp:	26981
Ion Ratio	Lower	Upper	
105	100		
120	27.4	21.5	32.3
77	16.2	12.6	19.0

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#58

1,1,2,2-Tetrachloroethane

Concen: 1.220 ug/L

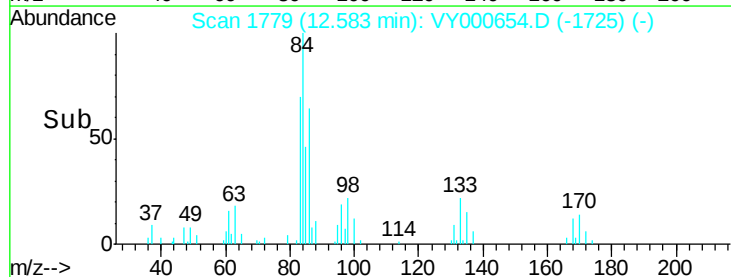
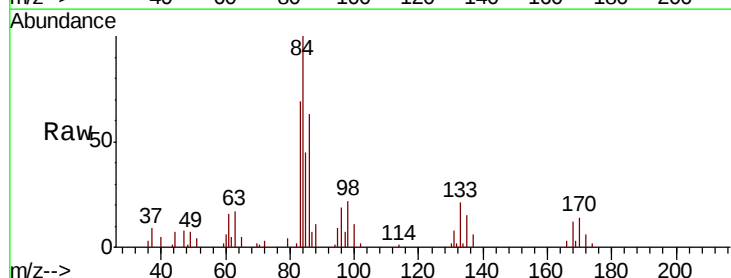
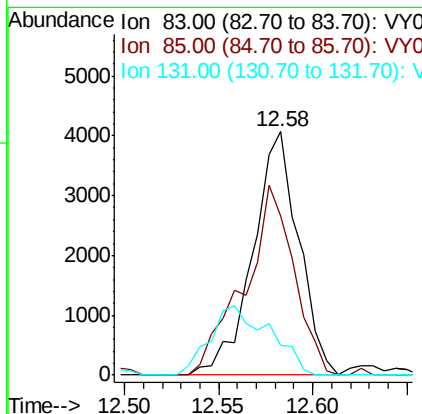
RT: 12.58 min Scan# 1779

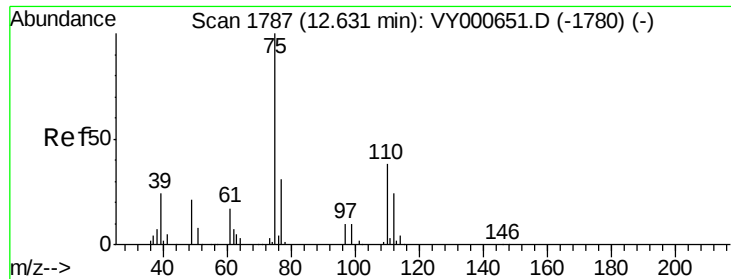
Delta R.T. 0.00 min

Lab File: VY000654.D

Acq: 12 Nov 2019 14:35

Tgt Ion:	83	Resp:	6845
Ion Ratio	Lower	Upper	
83	100		
85	65.6	45.0	83.6
131	12.2	7.8	11.6#





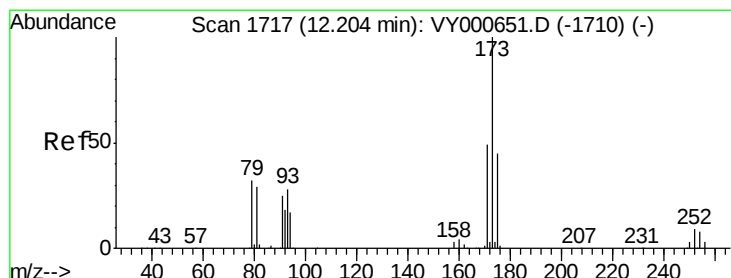
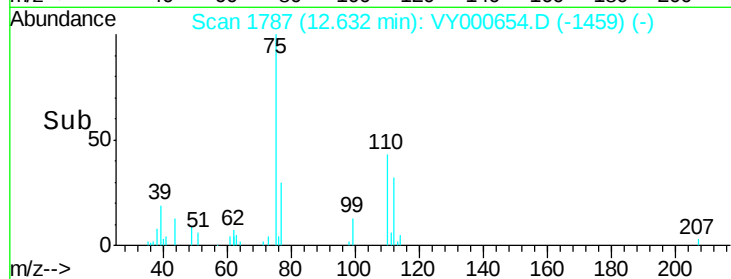
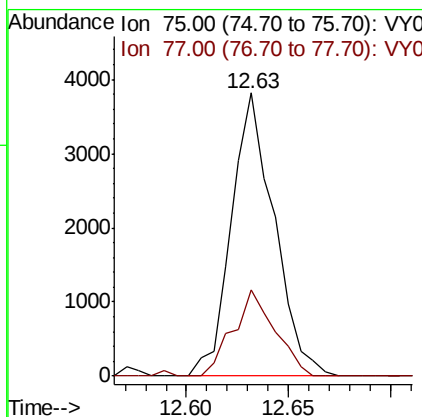
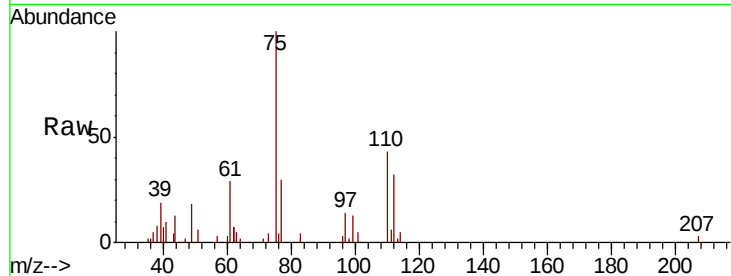
#59
 1,2,3-Trichloropropane
 Concen: 1.217 ug/L
 RT: 12.63 min Scan# 1787
 Delta R.T. 0.00 min
 Lab File: VY000654.D
 Acq: 12 Nov 2019 14:35

Instrument :
 MSVOA_Y
 ClientSampled :
 MDL02

Tot Ion: 75 Resp: 5552
 Ion Ratio Lower Upper
 75 100
 77 29.8 26.4 39.6

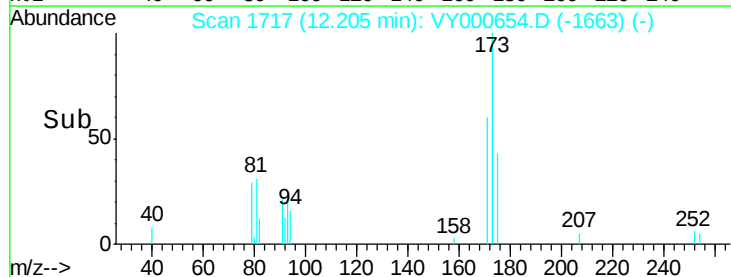
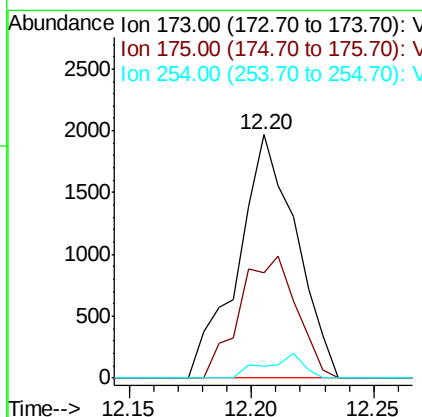
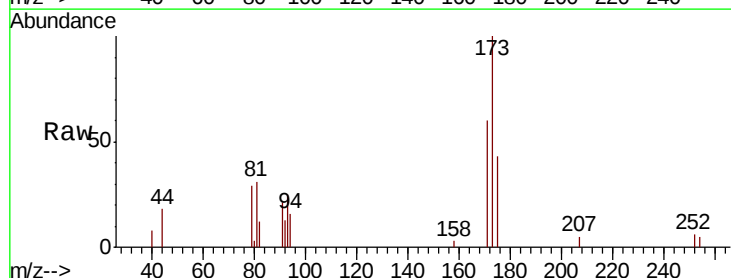
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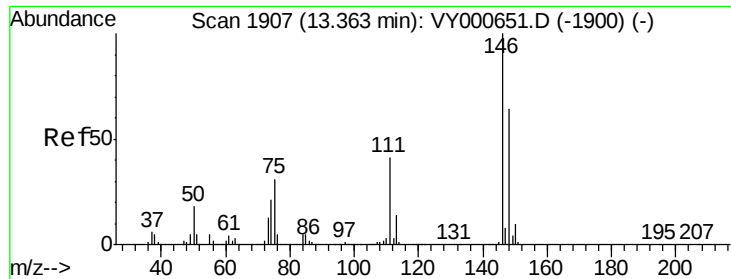
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#62
 Bromoform
 Concen: 1.111 ug/L
 RT: 12.20 min Scan# 1717
 Delta R.T. 0.00 min
 Lab File: VY000654.D
 Acq: 12 Nov 2019 14:35

Tgt Ion: 173 Resp: 3240
 Ion Ratio Lower Upper
 173 100
 175 0.0 37.8 56.6#
 254 2.3 7.7 11.5#





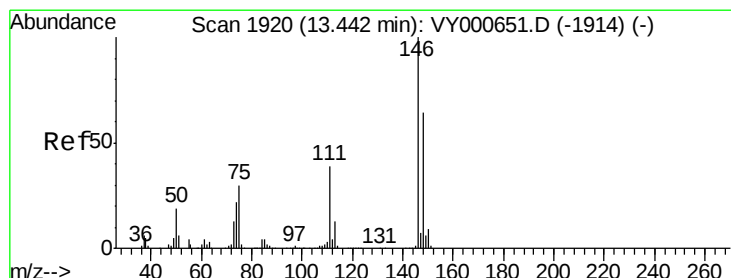
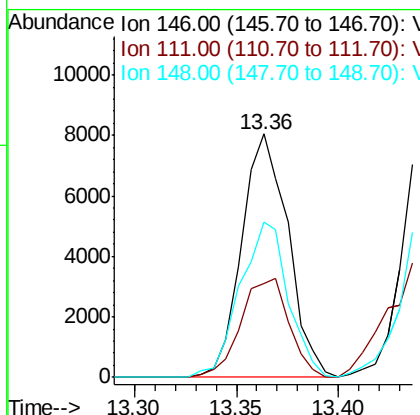
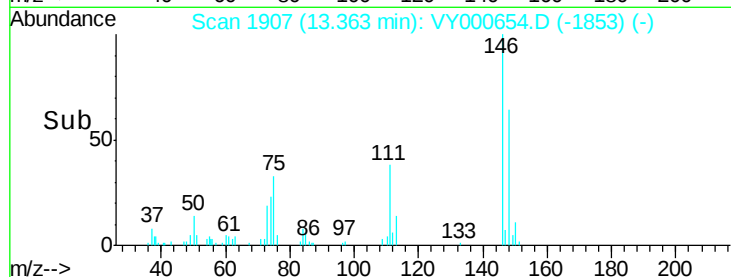
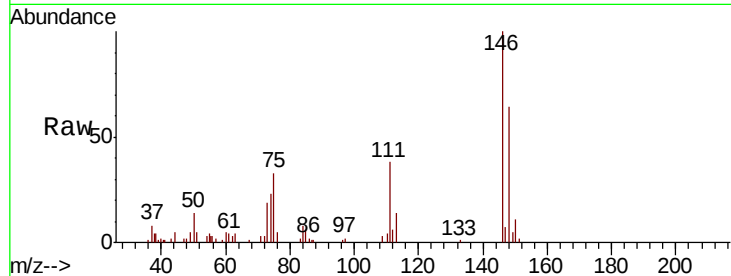
#63
 1,3-Dichlorobenzene
 Concen: 1.160 ug/L
 RT: 13.36 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY000654.D
 Acq: 12 Nov 2019 14:35

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	28.8	53.6
148	63.6	44.3	82.3

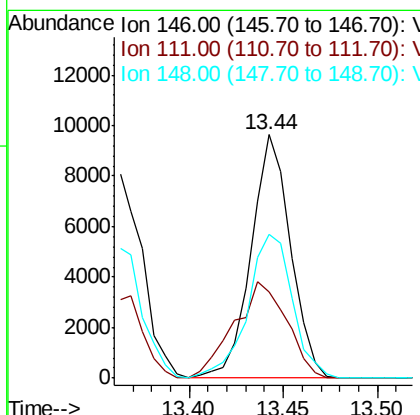
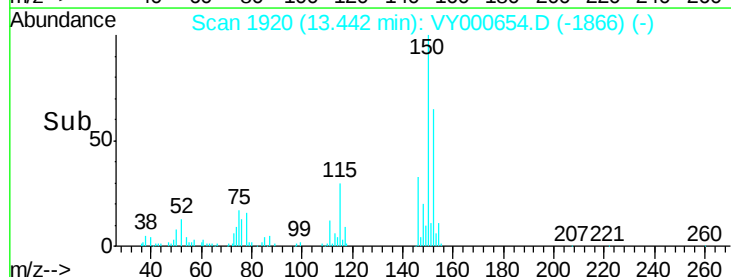
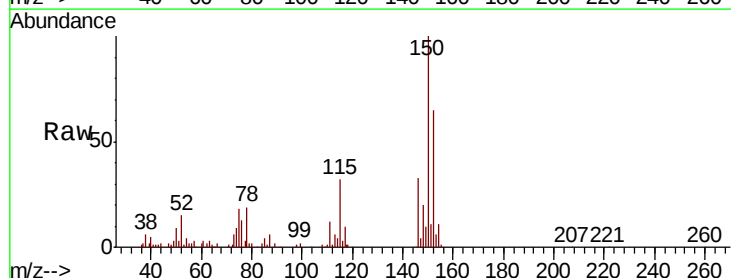
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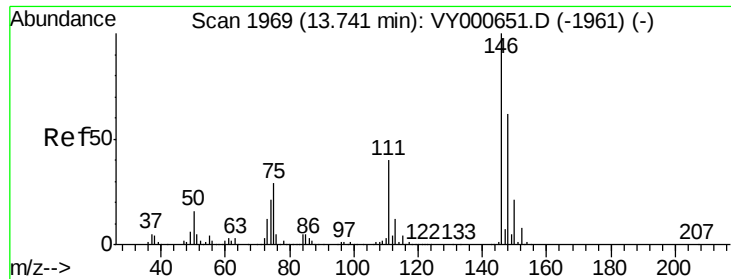
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#64
 1,4-Dichlorobenzene
 Concen: 1.276 ug/L
 RT: 13.44 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VY000654.D
 Acq: 12 Nov 2019 14:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.5	26.7	49.5
148	59.2	45.2	84.0





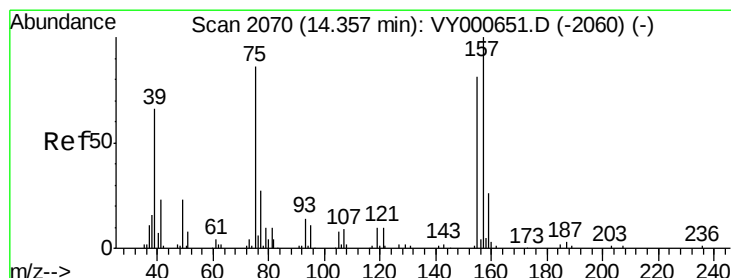
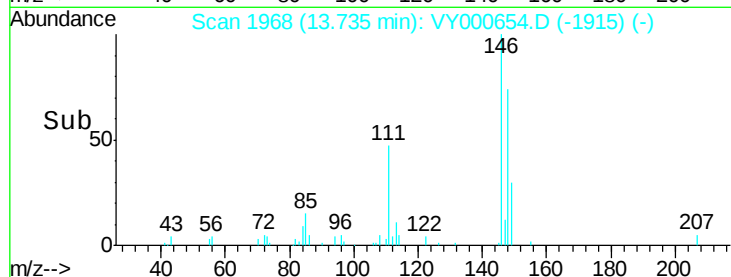
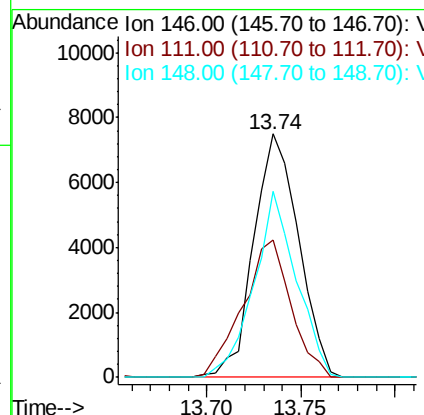
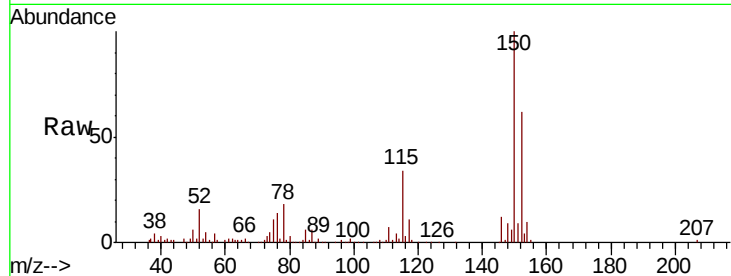
#65
 1,2-Dichlorobenzene
 Concen: 1.220 ug/L
 RT: 13.74 min Scan# 1968
 Delta R.T. -0.01 min
 Lab File: VY000654.D
 Acq: 12 Nov 2019 14:35

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL02

Tot Ion	Ratio	Lower	Upper
146	100		
111	56.6	33.8	50.8#
148	76.3	51.0	76.6

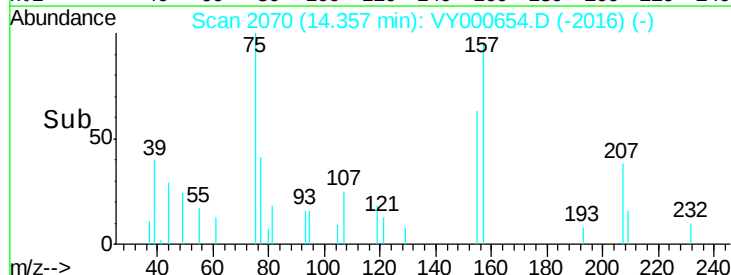
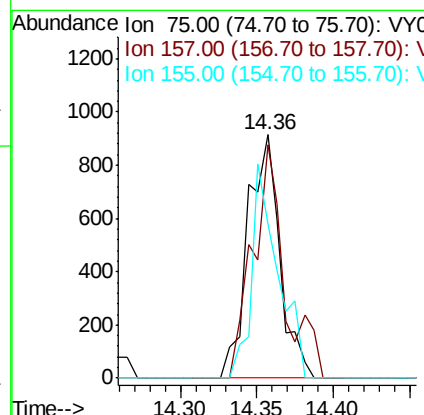
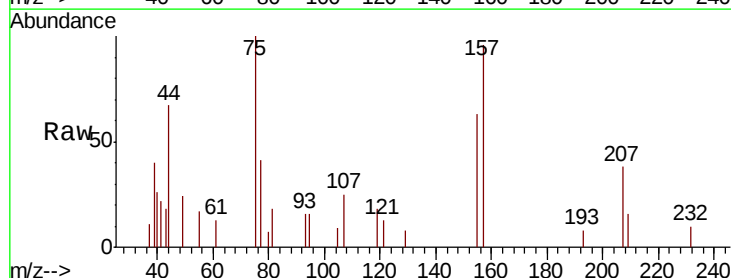
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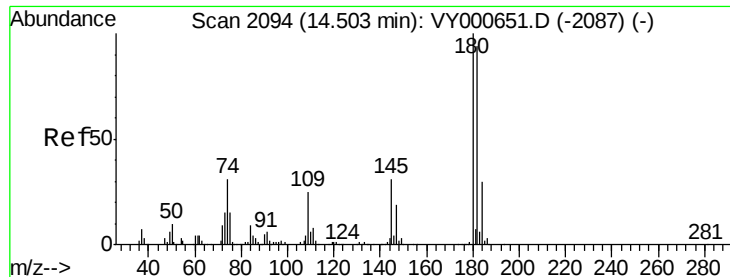
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#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.374 ug/L
 RT: 14.36 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: VY000654.D
 Acq: 12 Nov 2019 14:35

Tgt Ion	Ratio	Lower	Upper
75	100		
157	96.0	78.1	117.1
155	63.5	64.2	96.4#





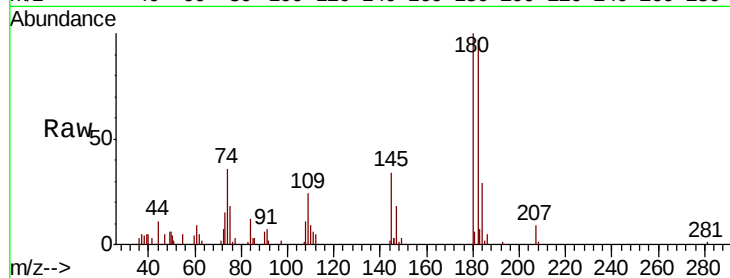
#67
 1,3,5-Trichlorobenzene
 Concen: 1.185 ug/L
 RT: 14.50 min Scan# 2093
 Delta R.T. -0.01 min
 Lab File: VY000654.D
 Acq: 12 Nov 2019 14:35

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL02

Tot Ion	Ratio	Lower	Upper
180	100		
182	105.0	75.6	113.4
184	32.3	24.5	36.7
145	33.0	25.1	37.7

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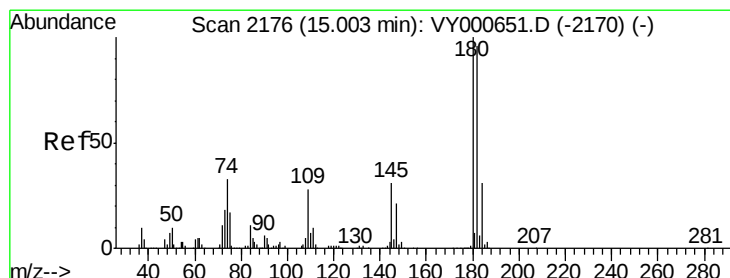
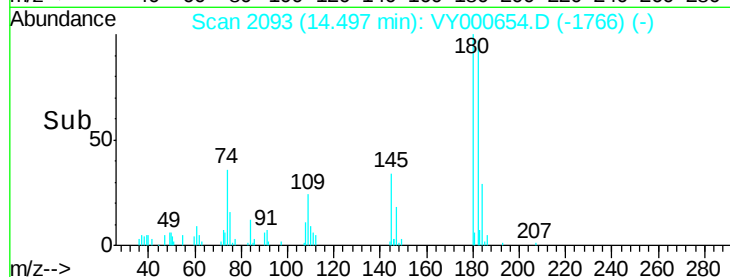
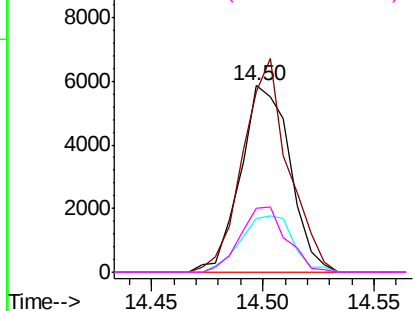
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

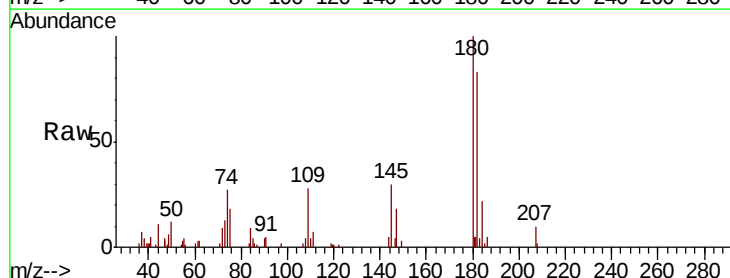
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 1.239 ug/L
 RT: 15.00 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VY000654.D
 Acq: 12 Nov 2019 14:35

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.8	77.5	116.3
145	28.4	25.4	38.2

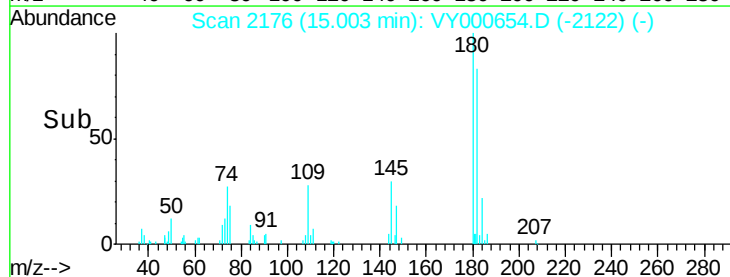
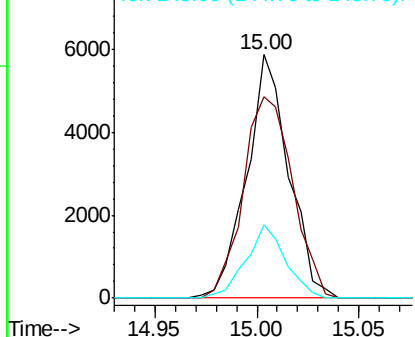


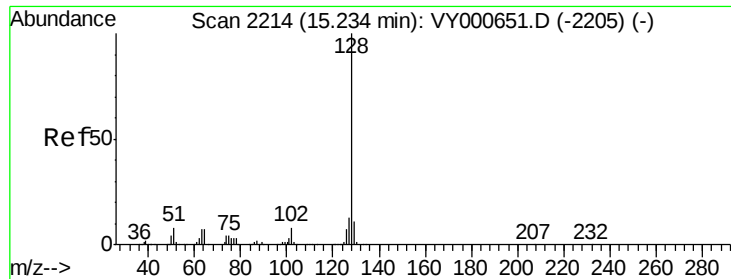
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





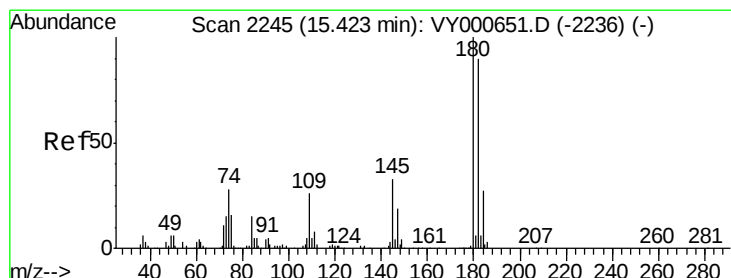
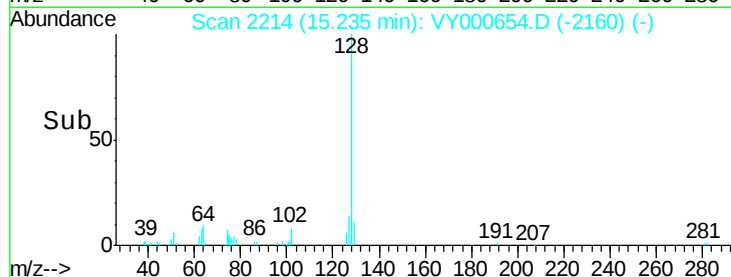
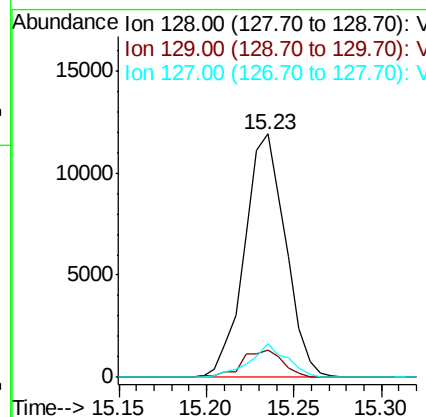
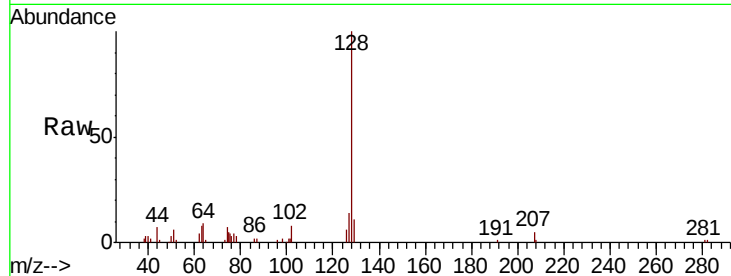
#69
Naphthalene
Concen: 1.148 ug/L
RT: 15.23 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VY000654.D
Acq: 12 Nov 2019 14:35

Instrument :
MSVOA_Y
ClientSampleId :
MDL02

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.4	12.6
127	12.5	9.8	14.6

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#70
1,2,3-Trichlorobenzene
Concen: 1.253 ug/L
RT: 15.42 min Scan# 2244
Delta R.T. -0.01 min
Lab File: VY000654.D
Acq: 12 Nov 2019 14:35

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.2	114.4
145	1.1	26.6	39.8#

