

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111219\
 Data File : VY000643.D
 Acq On : 12 Nov 2019 09:28
 Operator : SY/MD
 Sample : VSTD2.578
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.578

Manual Integrations
 APPROVED

MMDadoda
 11/15/2019 3:06:34 PM

Quant Time: Nov 13 01:33:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111219S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 13 01:25:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	382227	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	341161	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	162448	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	14905	2.76	ug/L	0.00
7) Chloroethane-d5	2.77	69	13613	2.84	ug/L	0.00
10) 1,1-Dichloroethene-d2	3.85	63	34137	3.42	ug/L	0.00
20) 2-Butanone-d5	6.89	46	10240m	4.60	ug/L	-0.01
24) Chloroform-d	7.49	84	28773	2.87	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.14	65	15912	2.74	ug/L	0.00
29) Benzene-d6	8.11	84	59281	2.99	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.13	67	17920	2.89	ug/L	0.00
37) Toluene-d8	10.18	98	55538	3.00	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.44	79	8297	2.86	ug/L	0.00
39) 2-Hexanone-d5	10.78	63	7165	4.27	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.56	84	15899	2.63	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.72	152	19909	3.06	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.90	85	27945	5.533 ug/L	100
3) Chloromethane	2.12	50	32634	5.154 ug/L	93
5) Vinyl chloride	2.25	62	30844	4.881 ug/L	98
6) Bromomethane	2.65	94	15899	4.607 ug/L	99
8) Chloroethane	2.80	64	20259	5.113 ug/L	90
9) Trichlorofluoromethane	3.13	101	42673	4.768 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	3.90	101	25148m	4.954 ug/L	
12) 1,1-Dichloroethene	3.87	96	23118	4.665 ug/L	87
13) Acetone	3.96	43	13639	8.265 ug/L	86
14) Carbon disulfide	4.19	76	72374	4.733 ug/L	96
15) Methyl Acetate	4.48	43	14874	3.984 ug/L #	74
16) Methylene chloride	4.72	84	30893	4.896 ug/L	88
17) Methyl tert-butyl Ether	5.22	73	66219	4.392 ug/L	99
18) trans-1,2-Dichloroethene	5.22	96	26427	4.775 ug/L	95
19) 1,1-Dichloroethane	6.03	63	46371	4.761 ug/L	94
21) 2-Butanone	6.99	43	25765	8.974 ug/L	89
22) cis-1,2-Dichloroethene	6.99	96	29528	4.824 ug/L	95
23) Bromochloromethane	7.35	128	12348	4.620 ug/L	80
25) Chloroform	7.52	83	51467	4.903 ug/L	96
27) 1,2-Dichloroethane	8.25	62	32284	4.600 ug/L	96
30) Cyclohexane	7.78	56	47420m	5.094 ug/L	
31) 1,1,1-Trichloroethane	7.71	97	41905	4.986 ug/L	99
32) Carbon tetrachloride	7.91	117	37543	5.125 ug/L	99
34) Benzene	8.16	78	109093	4.891 ug/L	100
35) Trichloroethene	8.95	95	28475	4.869 ug/L	95
36) Methylcyclohexane	9.19	83	49884	4.983 ug/L	100
40) 1,2-Dichloropropane	9.22	63	27937	4.942 ug/L	99
41) Bromodichloromethane	9.50	83	34820	4.788 ug/L	97
42) cis-1,3-Dichloropropene	9.93	75	41758	4.586 ug/L	99
43) 4-Methyl-2-pentanone	10.07	43	45050	8.333 ug/L	99

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

44) Toluene	10.25	91	112889	4.682	ug/L	94
45) trans-1,3-Dichloropropene	10.47	75	33738	4.313	ug/L	90
46) 1,1,2-Trichloroethane	10.64	97	22304	4.811	ug/L	88
47) Tetrachloroethene	10.72	164	23172	5.306	ug/L	80
49) 2-Hexanone	10.83	43	34962	8.303	ug/L	98
50) Dibromochloromethane	10.99	129	23697	4.524	ug/L	86
51) 1,2-Dibromoethane	11.09	107	20427	4.527	ug/L #	89
52) Chlorobenzene	11.52	112	75225	4.916	ug/L	94
53) Ethylbenzene	11.59	91	129103	4.733	ug/L	92
54) m,p-Xylene	11.70	106	49963	4.840	ug/L	100
55) o-xylene	12.03	106	47898	4.727	ug/L	97
56) Styrene	12.05	104	76614	4.551	ug/L	93
57) Isopropylbenzene	12.33	105	128097	4.859	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.58	83	25149	4.347	ug/L #	95
59) 1,2,3-Trichloropropane	12.64	75	21313	4.531	ug/L	98
62) Bromoform	12.20	173	13600	4.408	ug/L	97
63) 1,3-Dichlorobenzene	13.36	146	56268	4.856	ug/L	97
64) 1,4-Dichlorobenzene	13.44	146	56886	4.912	ug/L	92
65) 1,2-Dichlorobenzene	13.74	146	51603	4.809	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.35	75	4198	4.117	ug/L #	77
67) 1,3,5-Trichlorobenzene	14.50	180	39807	4.928	ug/L	99
68) 1,2,4-trichlorobenzene	15.01	180	35210	4.877	ug/L	99
69) Naphthalene	15.23	128	77244	4.293	ug/L	98
70) 1,2,3-Trichlorobenzene	15.42	180	32239	4.803	ug/L	99

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

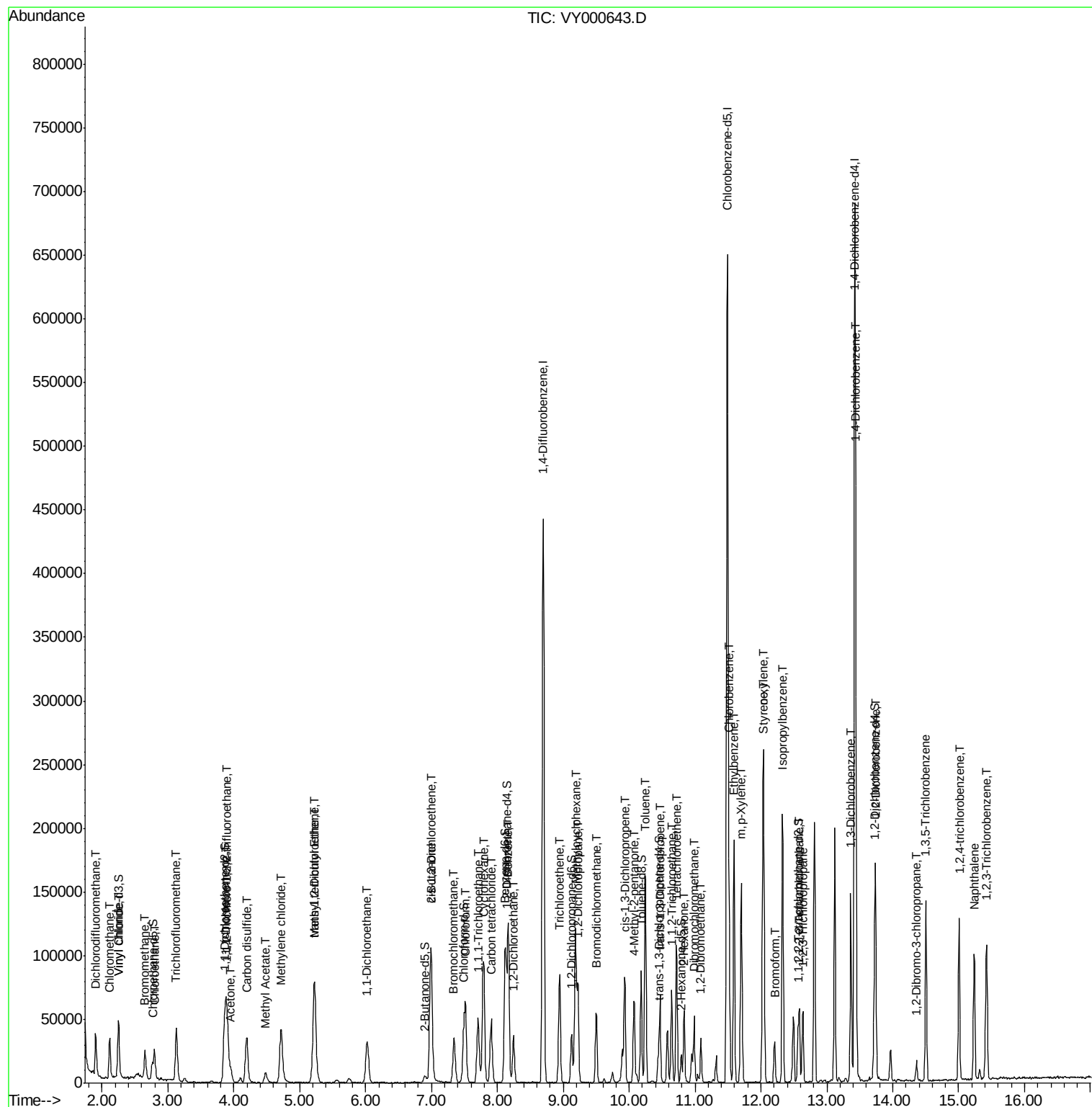
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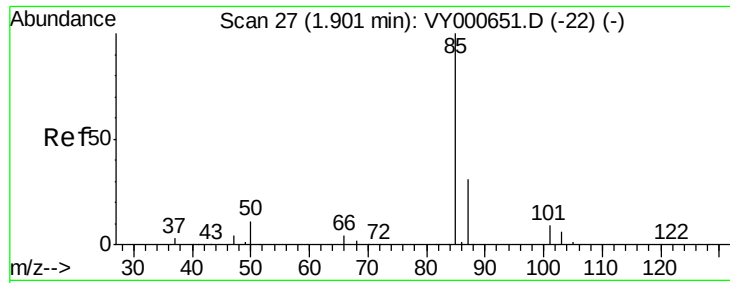
Instrument :
MSVOA_Y
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#2

Dichlorodifluoromethane

Concen: 5.533 ug/L

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY000643.D

Acq: 12 Nov 2019 09:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTD2.578

Tot Ion: 85 Resp: 27945

Ion Ratio Lower Upper

85 100

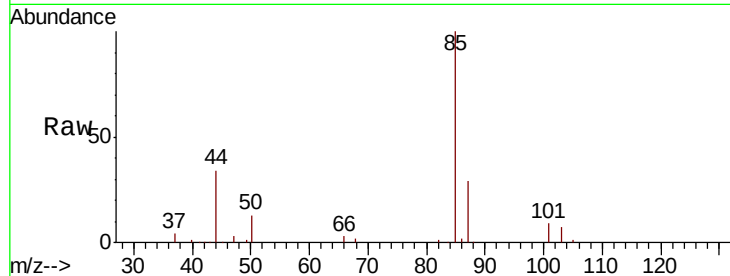
87 32.6 22.7 42.1

Manual Integrations

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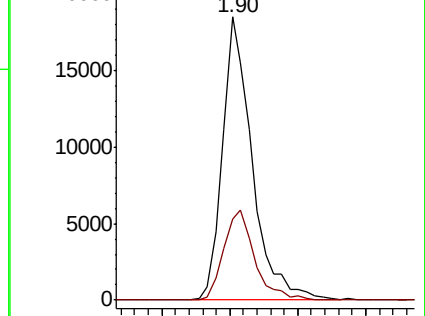
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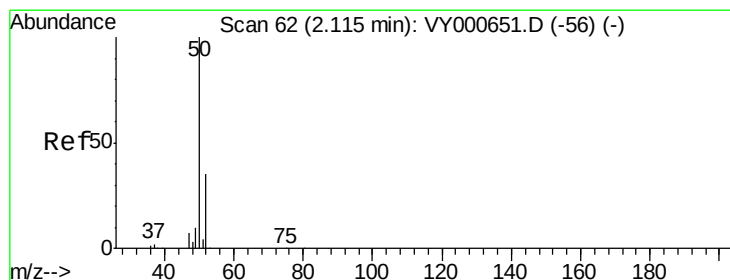
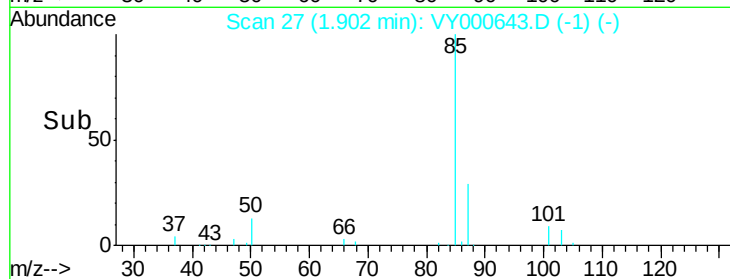


Abundance Ion 85.00 (84.70 to 85.70): VY0

Ion 87.00 (86.70 to 87.70): VY0



Time-->



#3

Chloromethane

Concen: 5.154 ug/L

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY000643.D

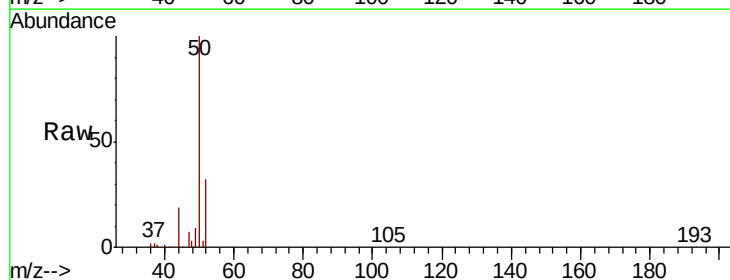
Acq: 12 Nov 2019 09:28

Tgt Ion: 50 Resp: 32634

Ion Ratio Lower Upper

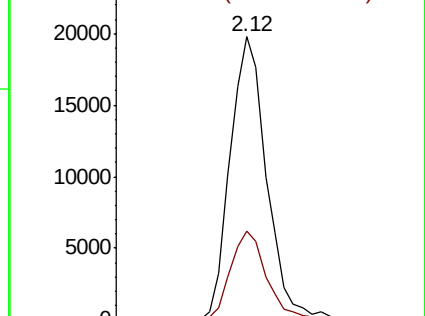
50 100

52 31.6 24.9 46.3

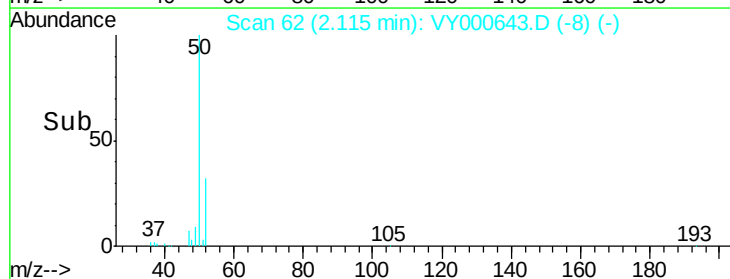


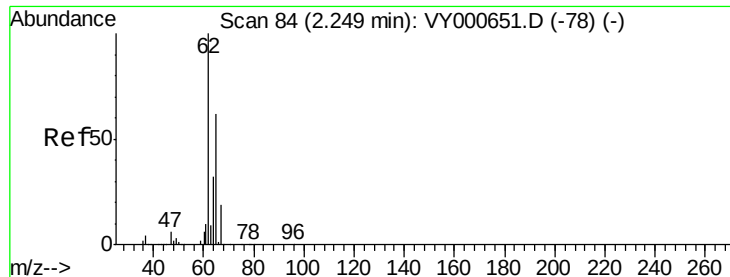
Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0



Time-->





#5

Vinyl chloride

Concen: 4.881 ug/L

RT: 2.25 min Scan# 84

Delta R.T. 0.00 min

Lab File: VY000643.D

Acq: 12 Nov 2019 09:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTD2.578

Tot Ion: 62 Resp: 30844

Ion Ratio Lower Upper

62 100

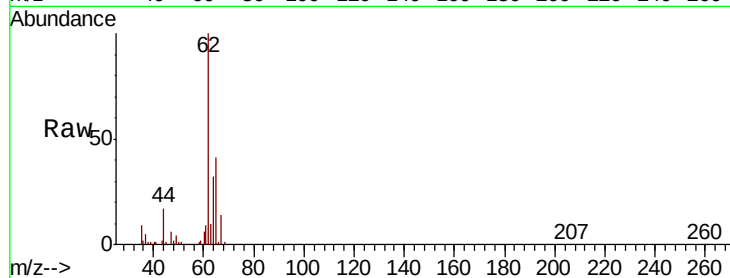
64 32.2 22.0 40.8

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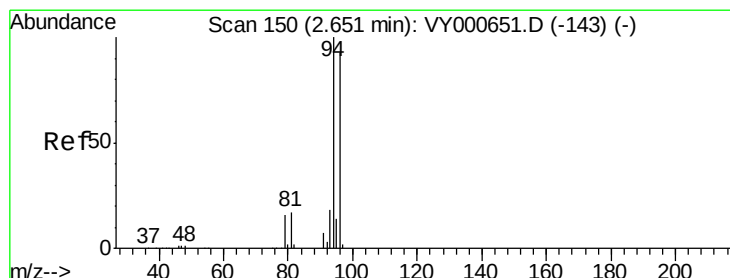
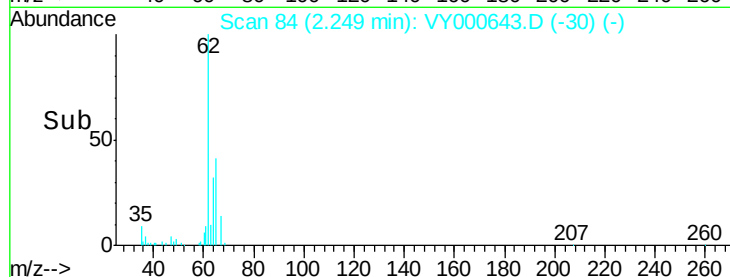
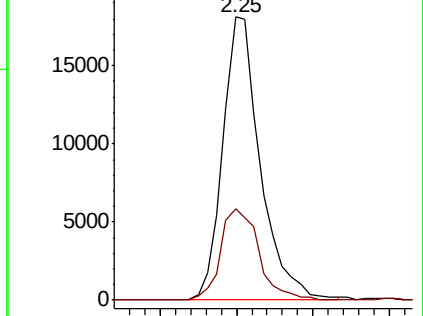
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Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 64.00 (63.70 to 64.70): VY0



#6

Bromomethane

Concen: 4.607 ug/L

RT: 2.65 min Scan# 150

Delta R.T. 0.00 min

Lab File: VY000643.D

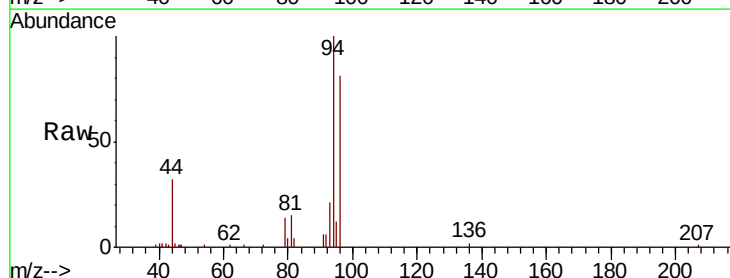
Acq: 12 Nov 2019 09:28

Tgt Ion: 94 Resp: 15899

Ion Ratio Lower Upper

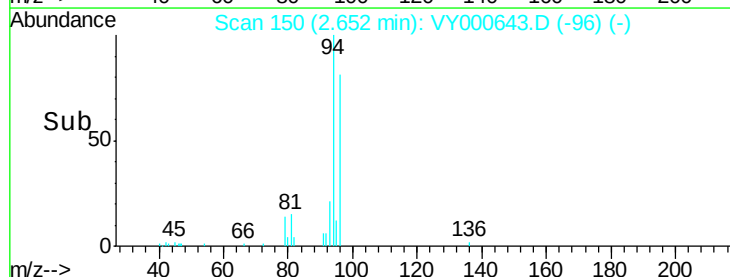
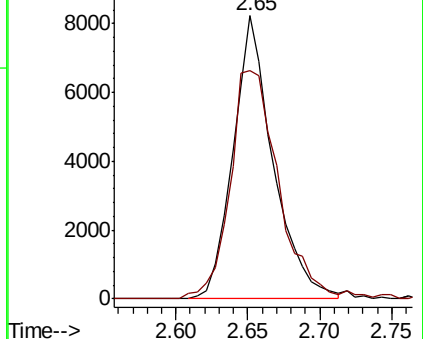
94 100

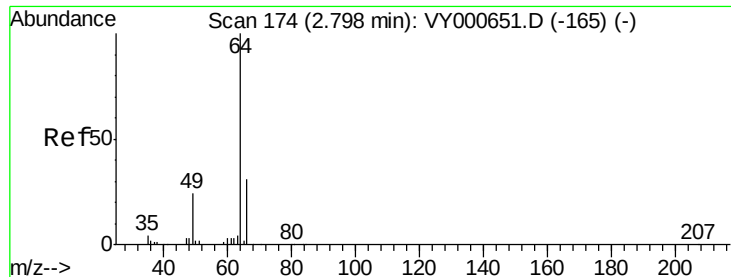
96 96.9 9.8 185.6



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0





#8

Chloroethane

Concen: 5.113 ug/L

RT: 2.80 min Scan# 174

Delta R.T. 0.00 min

Lab File: VY000643.D

Acq: 12 Nov 2019 09:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTD2.578

Tot Ion: 64 Resp: 20259

Ion Ratio Lower Upper

64 100

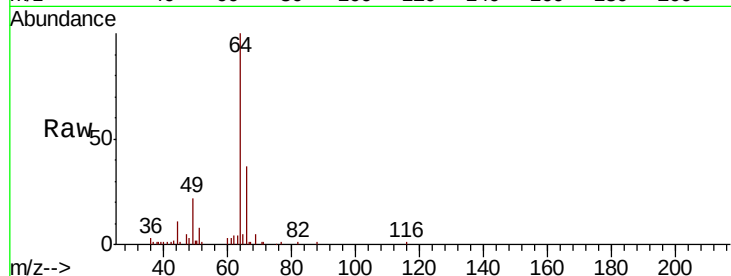
66 37.1 22.2 41.2

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Abundance Ion 64.00 (63.70 to 64.70): VY000643.D (-120) (-)

Ion 66.00 (65.70 to 66.70): VY000643.D (-120) (-)

12000

10000

8000

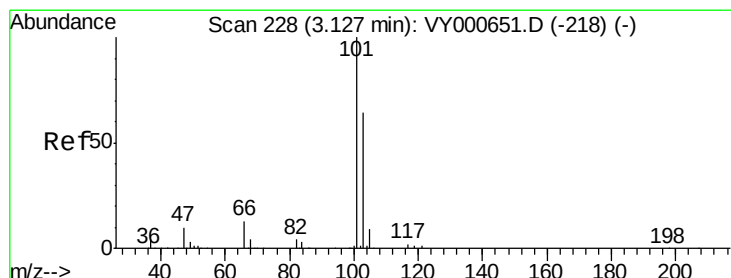
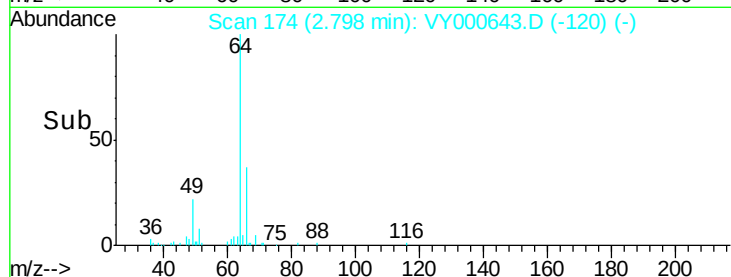
6000

4000

2000

0

Time--> 2.70 2.75 2.80 2.85 2.90



#9

Trichlorofluoromethane

Concen: 4.768 ug/L

RT: 3.13 min Scan# 228

Delta R.T. 0.00 min

Lab File: VY000643.D

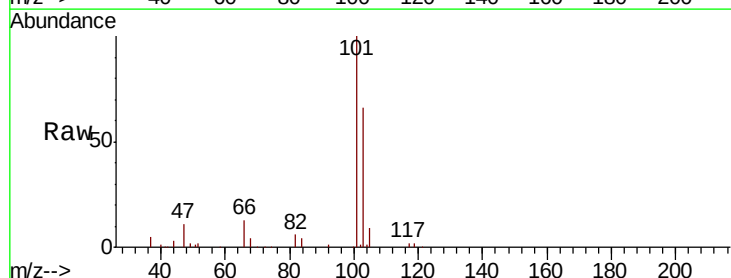
Acq: 12 Nov 2019 09:28

Tgt Ion: 101 Resp: 42673

Ion Ratio Lower Upper

101 100

103 66.8 45.8 85.0



Abundance Ion 101.00 (100.70 to 101.70): VY000643.D (-146) (-)

Ion 103.00 (102.70 to 103.70): VY000643.D (-146) (-)

20000

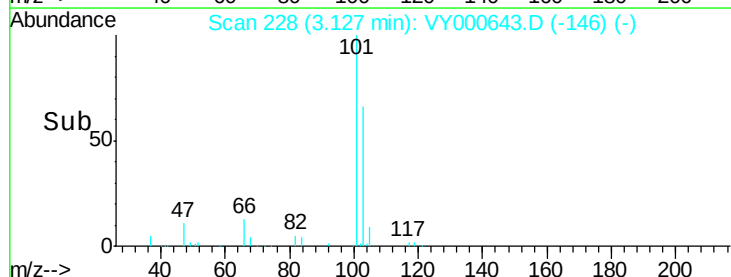
15000

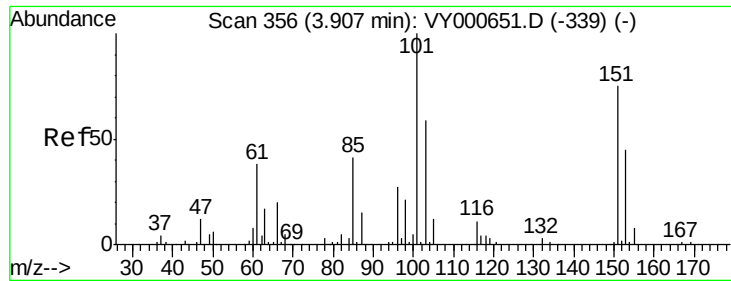
10000

5000

0

Time--> 3.05 3.10 3.15 3.20





#11

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

Concen: 4.954 ug/L m

RT: 3.90 min Scan# 355

Delta R.T. -0.01 min

Lab File: VY000643.D

Acq: 12 Nov 2019 09:28

Instrument :

MSVOA_Y

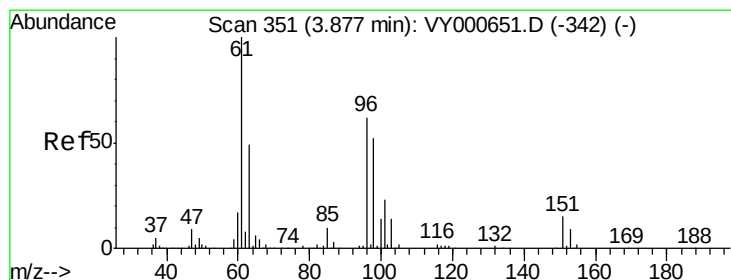
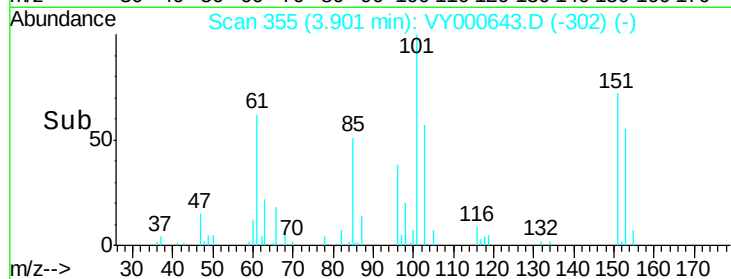
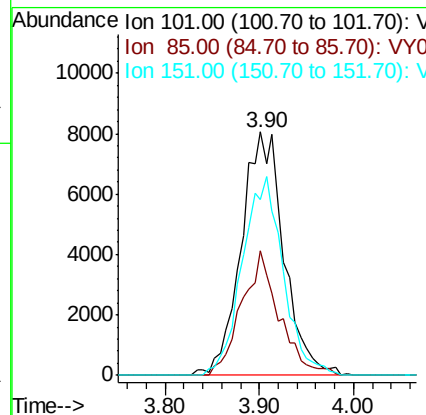
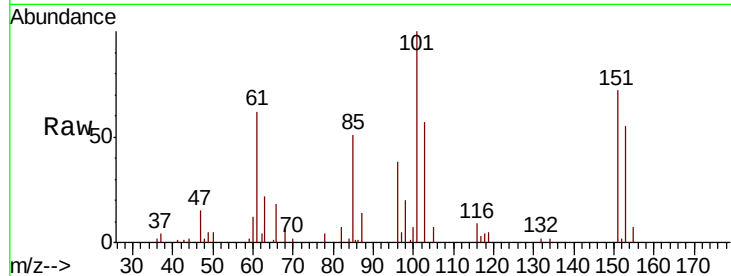
ClientSampleId :

VSTD2.578

Tot Ion:	101	Resp:	25148
Ion Ratio	Lower	Upper	
101	100		
85	44.7	35.3	52.9
151	78.5	61.9	92.9

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#12

1,1-Dichloroethene

Concen: 4.665 ug/L

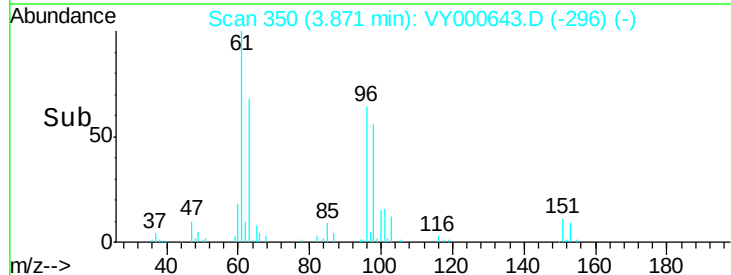
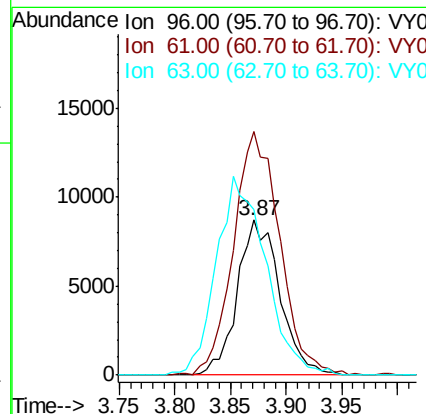
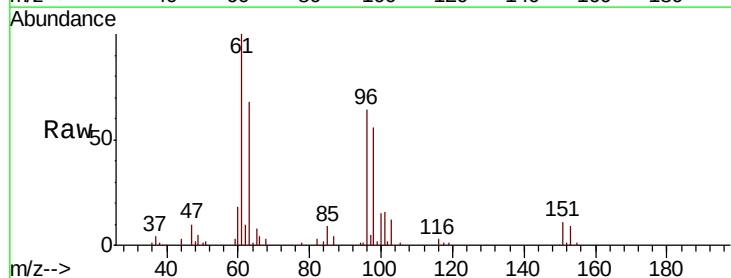
RT: 3.87 min Scan# 350

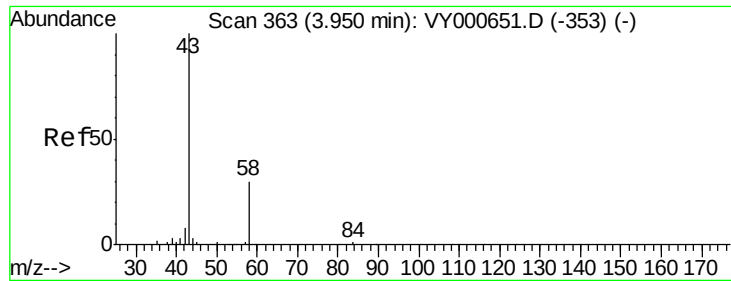
Delta R.T. 0.00 min

Lab File: VY000643.D

Acq: 12 Nov 2019 09:28

Tgt Ion:	96	Resp:	23118
Ion Ratio	Lower	Upper	
96	100		
61	157.4	113.5	210.9
63	106.8	94.3	175.1





#13

Acetone

Concen: 8.265 ug/L

RT: 3.96 min Scan# 364

Delta R.T. 0.00 min

Lab File: VY000643.D

Acq: 12 Nov 2019 09:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTD2.578

Tot Ion: 43 Resp: 13639

Ion Ratio Lower Upper

43 100

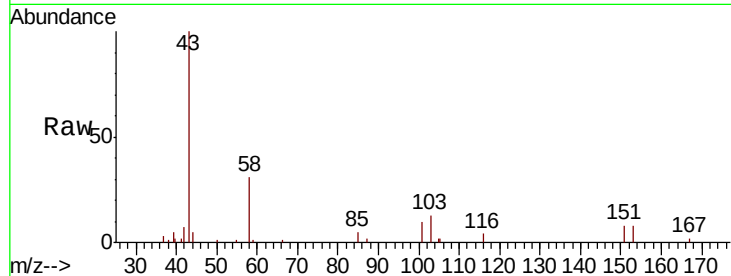
58 24.6 0.0 64.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

6000

5000

4000

3000

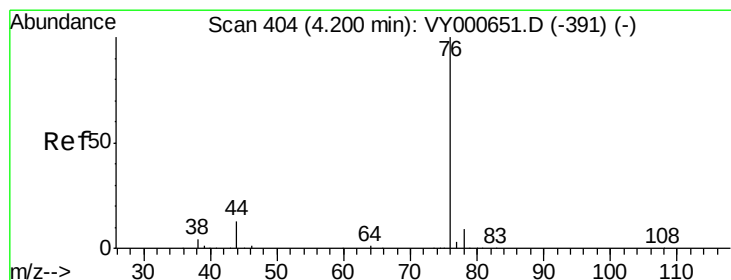
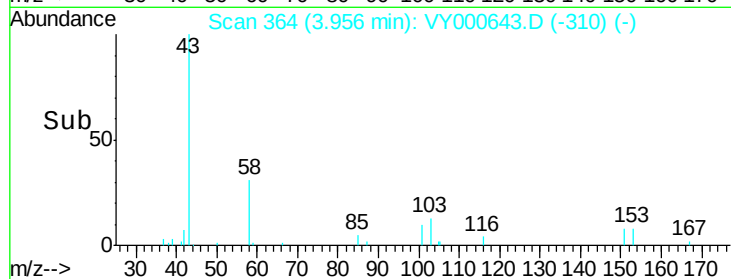
2000

1000

0

3.85 3.90 3.95 4.00

Time-->



#14

Carbon disulfide

Concen: 4.733 ug/L

RT: 4.19 min Scan# 403

Delta R.T. -0.01 min

Lab File: VY000643.D

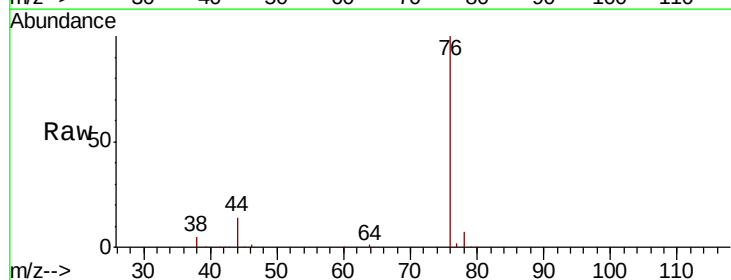
Acq: 12 Nov 2019 09:28

Tgt Ion: 76 Resp: 72374

Ion Ratio Lower Upper

76 100

78 7.2 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VY0

Ion 78.00 (77.70 to 78.70): VY0

30000

25000

20000

15000

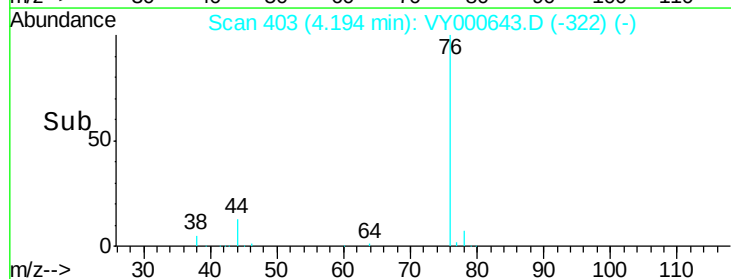
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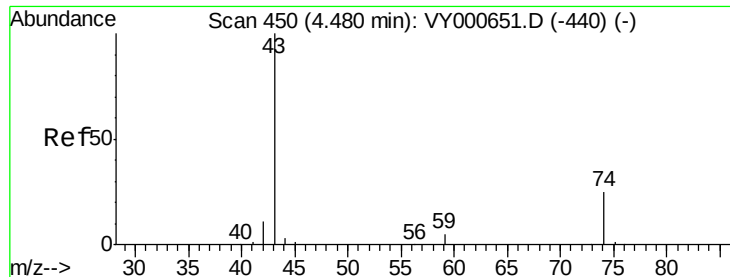
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0

4.10 4.20 4.30

Time-->





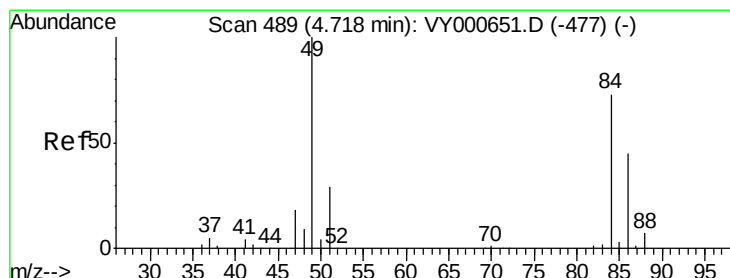
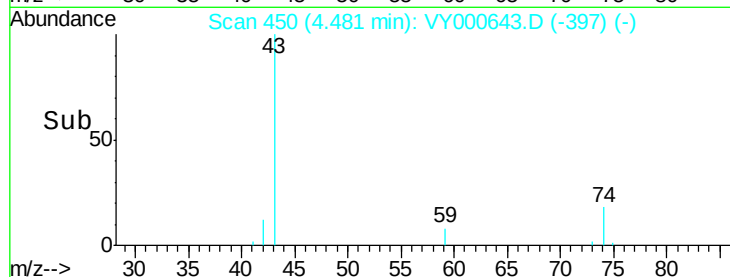
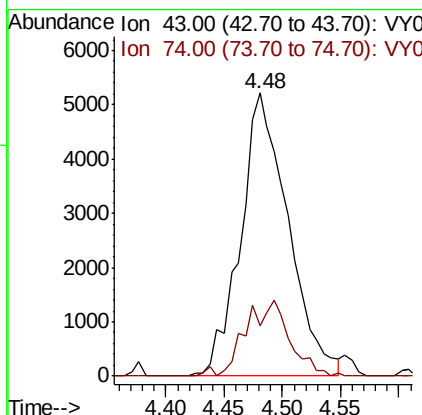
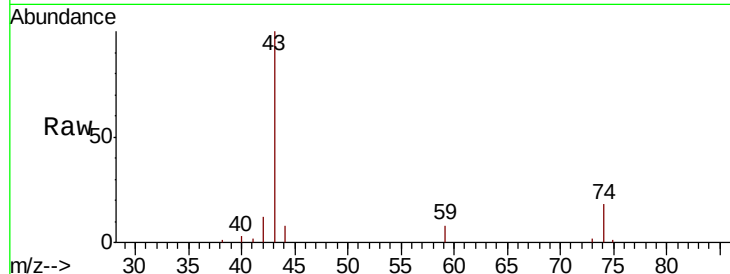
#15
Methvl Acetate
Concen: 3.984 ug/L
RT: 4.48 min Scan# 450
Delta R.T. -0.01 min
Lab File: VY000643.D
Acq: 12 Nov 2019 09:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTD2.578

Tot Ion: 43 Resp: 14874
Ion Ratio Lower Upper
43 100
74 10.2 18.1 27.1#

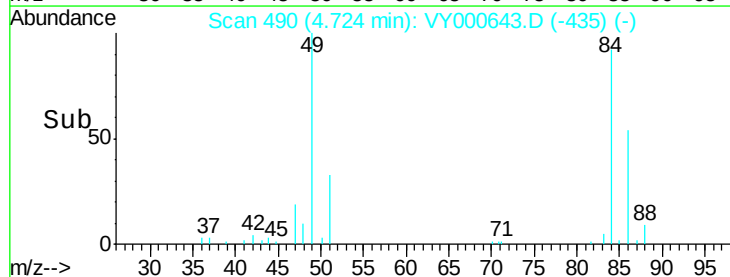
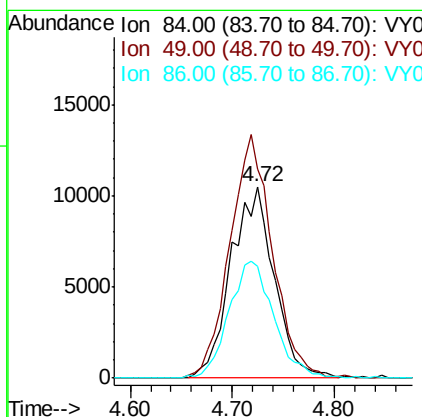
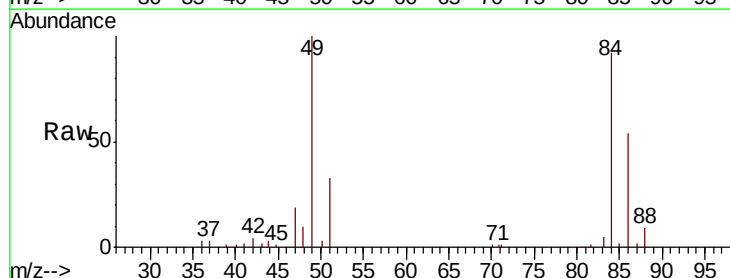
Manual Integrations
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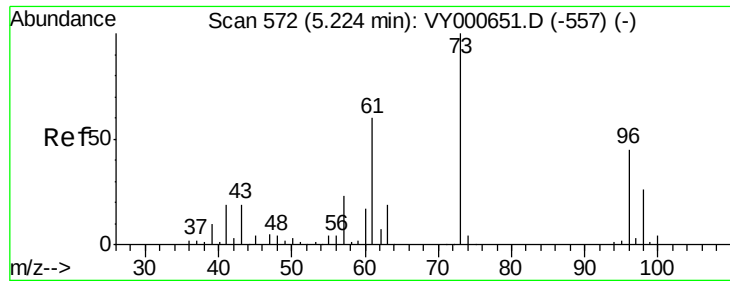
MMDadoda
11/15/2019 3:06:34 PM



#16
Methylene chloride
Concen: 4.896 ug/L
RT: 4.72 min Scan# 490
Delta R.T. 0.01 min
Lab File: VY000643.D
Acq: 12 Nov 2019 09:28

Tgt Ion: 84 Resp: 30893
Ion Ratio Lower Upper
84 100
49 109.1 88.8 165.0
86 58.5 43.9 81.5





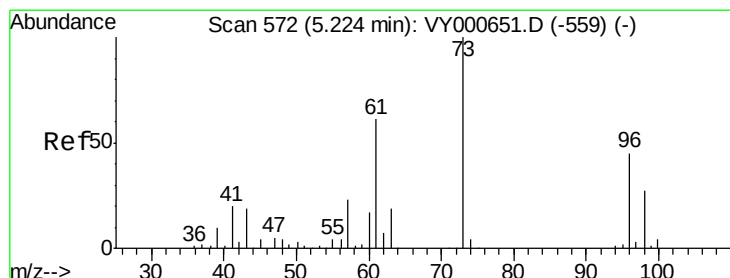
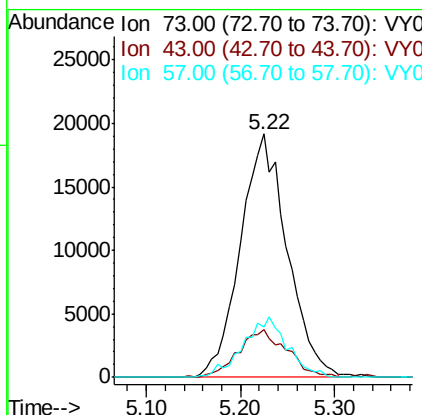
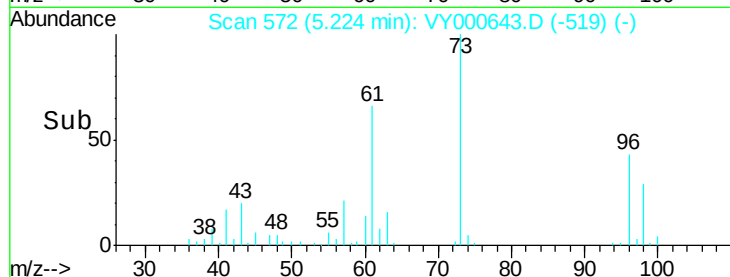
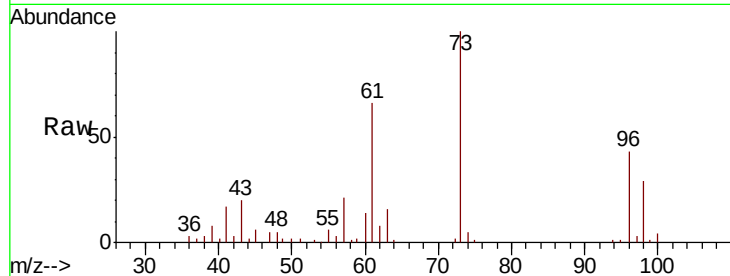
#17
Methyl tert-butyl Ether
Concen: 4.392 ug/L
RT: 5.22 min Scan# 572
Delta R.T. -0.01 min
Lab File: VY000643.D
Acq: 12 Nov 2019 09:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTD2.578

Tot Ion:	73	Resp:	66219
Ion	Ratio	Lower	Upper
73	100		
43	20.2	15.4	23.0
57	22.2	17.5	26.3

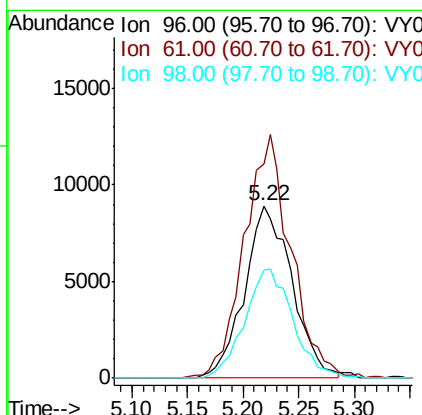
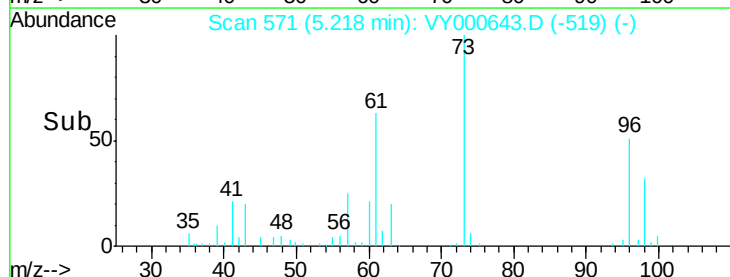
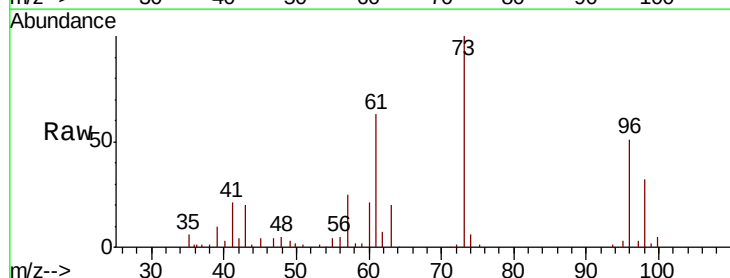
Manual Integrations
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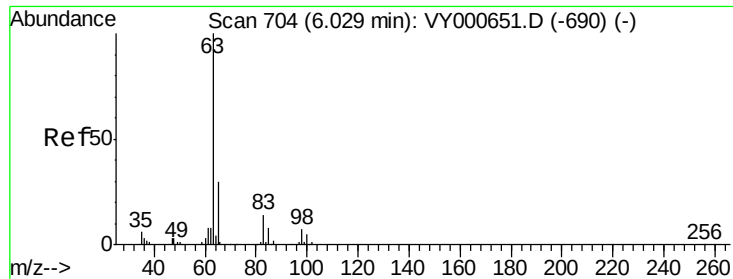
MMDadoda
11/15/2019 3:06:34 PM



#18
trans-1,2-Dichloroethene
Concen: 4.775 ug/L
RT: 5.22 min Scan# 571
Delta R.T. -0.01 min
Lab File: VY000643.D
Acq: 12 Nov 2019 09:28

Tgt Ion:	96	Resp:	26427
Ion	Ratio	Lower	Upper
96	100		
61	123.9	91.8	170.4
98	62.9	46.3	85.9





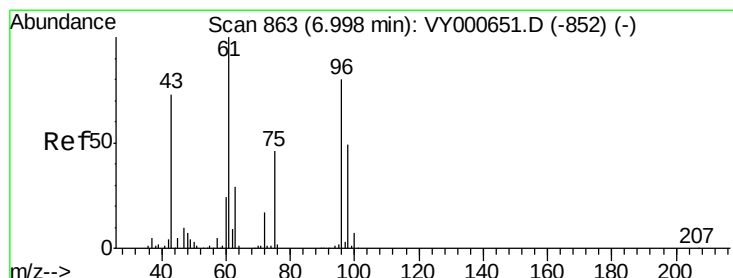
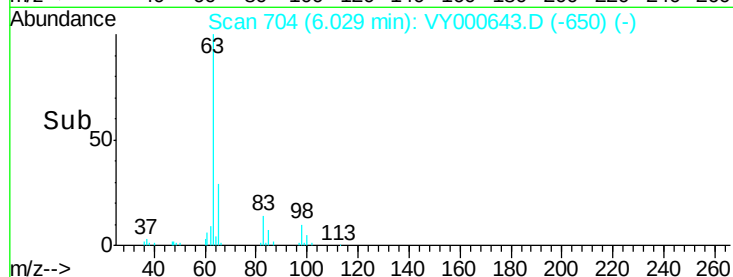
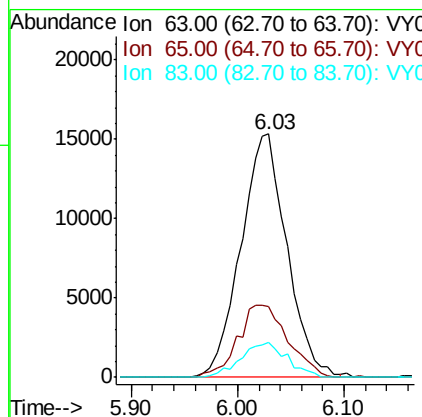
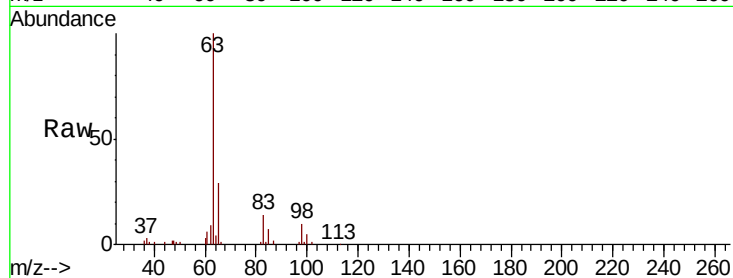
#19
 1,1-Dichloroethane
 Concen: 4.761 ug/L
 RT: 6.03 min Scan# 704
 Delta R.T. 0.00 min
 Lab File: VY000643.D
 Acq: 12 Nov 2019 09:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.578

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.3	23.9	44.5
83	14.3	10.1	18.9

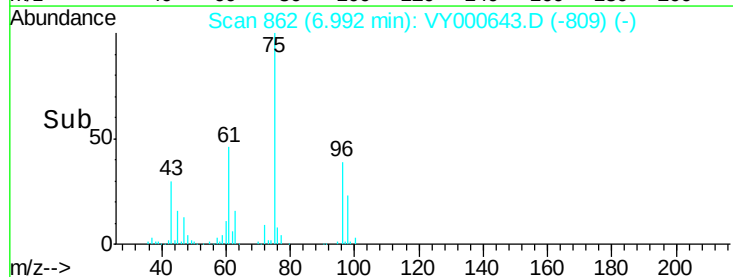
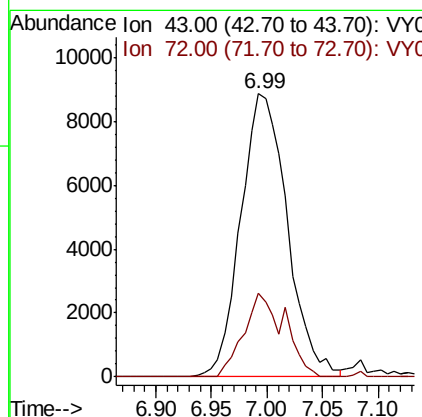
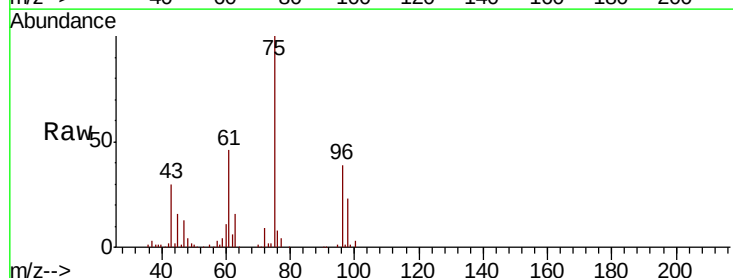
Manual Integrations
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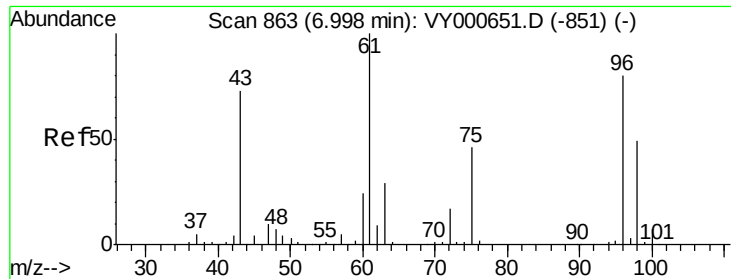
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#21
 2-Butanone
 Concen: 8.974 ug/L
 RT: 6.99 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VY000643.D
 Acq: 12 Nov 2019 09:28

Tgt Ion	Ratio	Lower	Upper
43	100		
72	19.5	12.6	37.8





#22

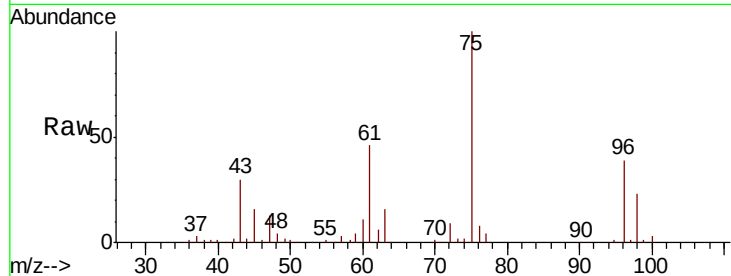
cis-1,2-Dichloroethene
Concen: 4.824 ug/L
RT: 6.99 min Scan# 862
Delta R.T. -0.01 min
Lab File: VY000643.D
Acq: 12 Nov 2019 09:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTD2.578

Tot Ion	Ratio	Lower	Upper
96	100		
61	118.3	86.8	161.2
98	60.5	44.6	82.8

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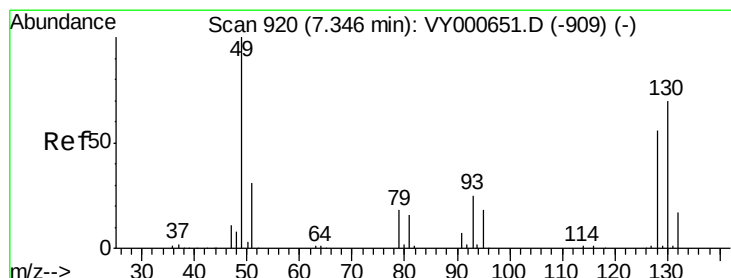
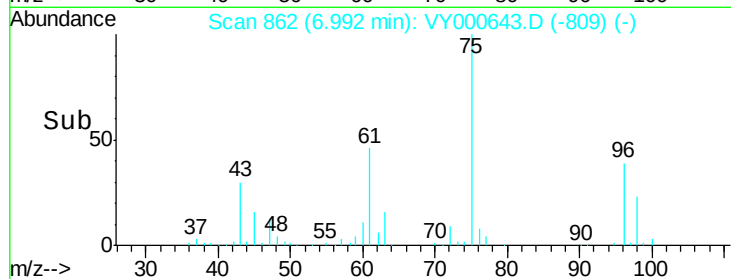
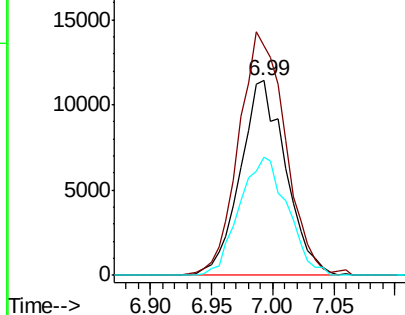


Abundance

Ion 96.00 (95.70 to 96.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

Ion 98.00 (97.70 to 98.70): VY0



#23

Bromochloromethane
Concen: 4.620 ug/L
RT: 7.35 min Scan# 920
Delta R.T. 0.00 min
Lab File: VY000643.D
Acq: 12 Nov 2019 09:28

Tgt Ion	Ratio	Lower	Upper
128	100		
49	147.7	131.5	244.3
130	124.4	96.7	179.5
51	46.2	45.3	67.9

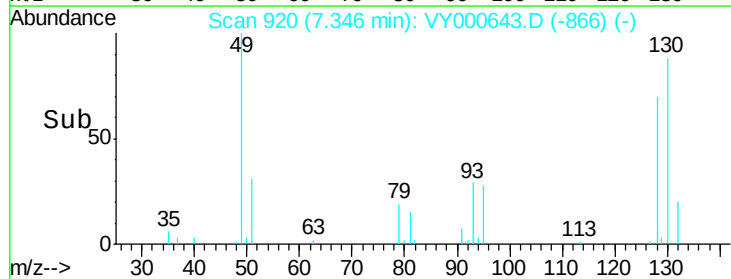
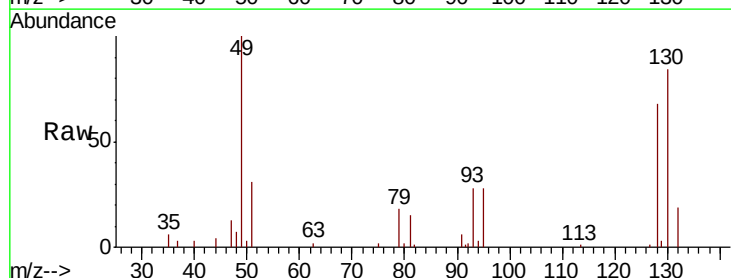
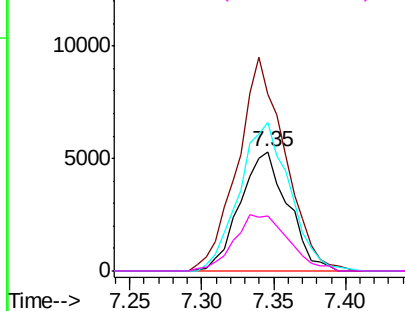
Abundance

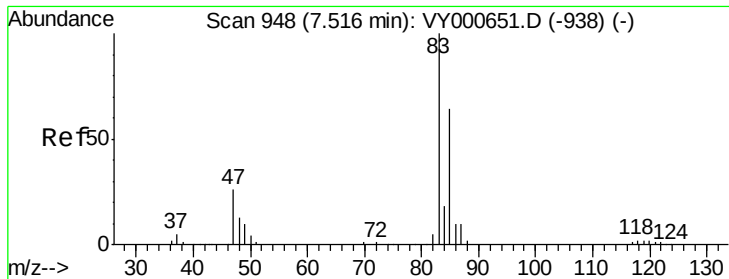
Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VY0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VY0





#25

Chloroform

Concen: 4.903 ug/L

RT: 7.52 min Scan# 948

Delta R.T. 0.00 min

Lab File: VY000643.D

Acq: 12 Nov 2019 09:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTD2.578

Tot Ion: 83 Resp: 51467

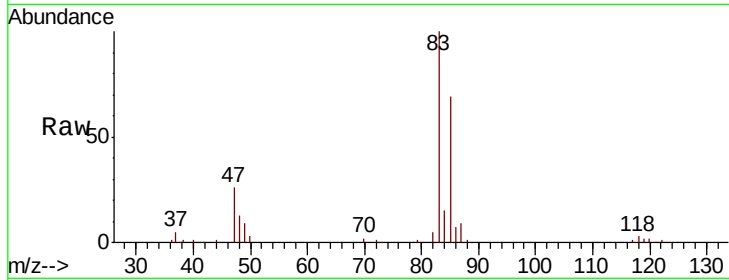
Ion Ratio Lower Upper

83 100

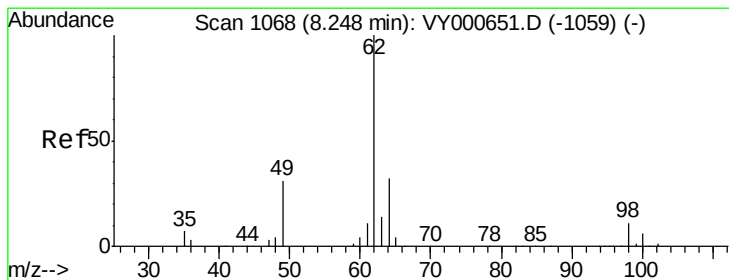
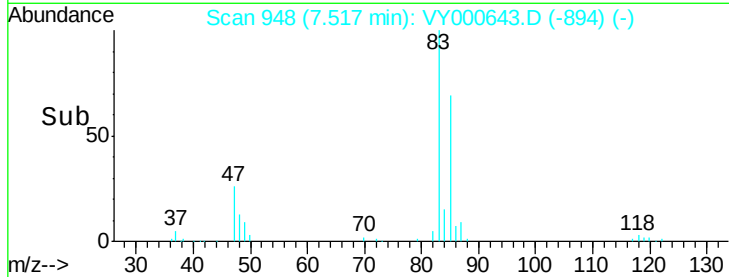
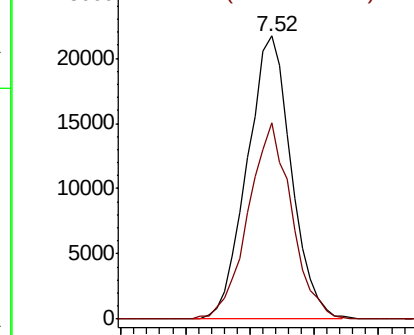
85 68.2 45.6 84.6

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Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 85.00 (84.70 to 85.70): VY0



#27

1,2-Dichloroethane

Concen: 4.600 ug/L

RT: 8.25 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VY000643.D

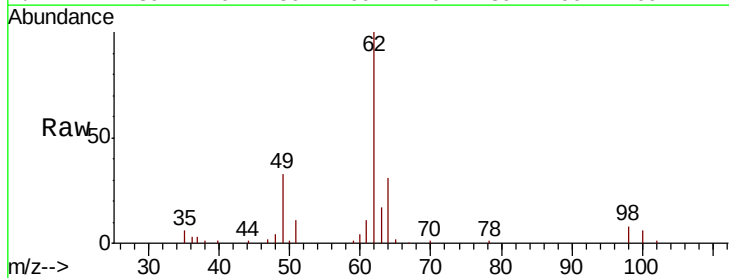
Acq: 12 Nov 2019 09:28

Tgt Ion: 62 Resp: 32284

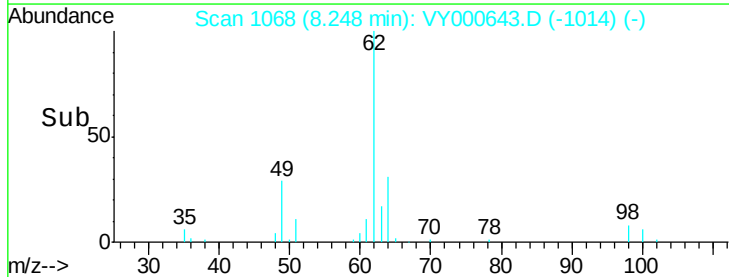
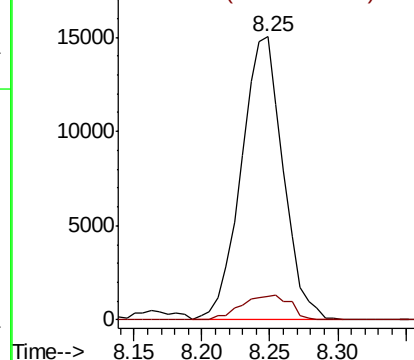
Ion Ratio Lower Upper

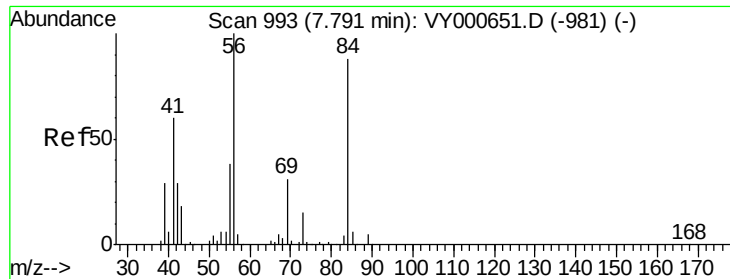
62 100

98 8.1 7.5 11.3



Abundance Ion 62.00 (61.70 to 62.70): VY0
Ion 98.00 (97.70 to 98.70): VY0





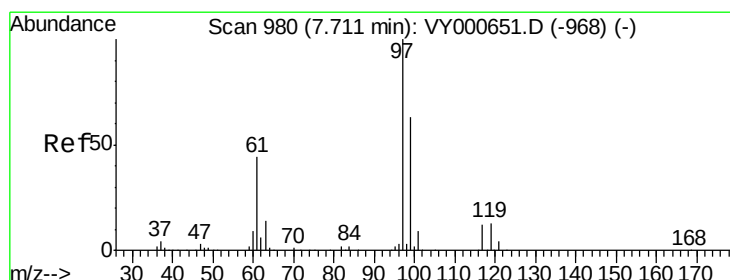
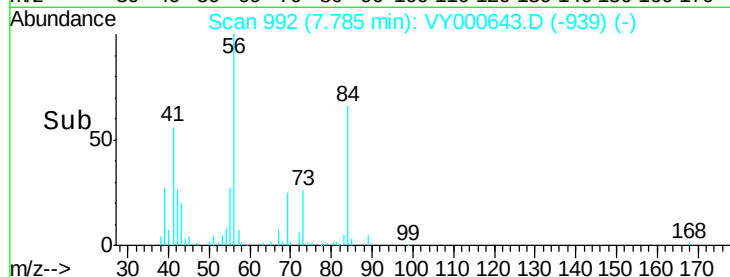
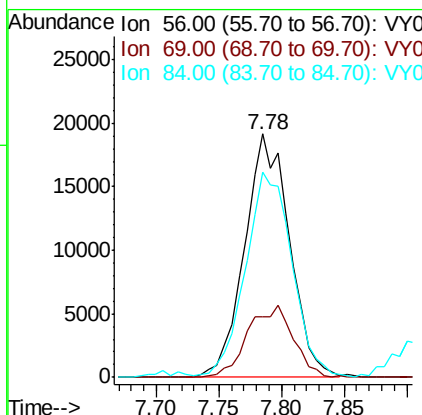
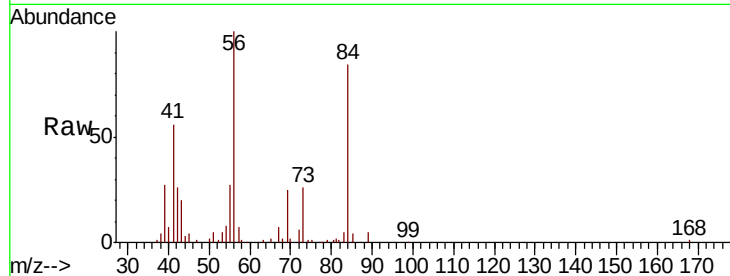
#30
Cyclohexane
Concen: 5.094 ug/L m
RT: 7.78 min Scan# 992
Delta R.T. -0.01 min
Lab File: VY000643.D
Acq: 12 Nov 2019 09:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTD2.578

Tot Ion	Ratio	Lower	Upper
56	100		
69	0.1	24.1	36.1#
84	0.3	70.2	105.4#

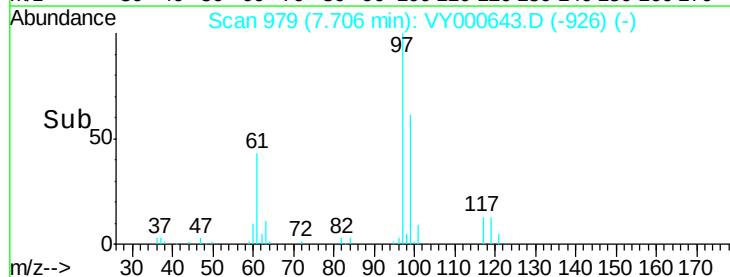
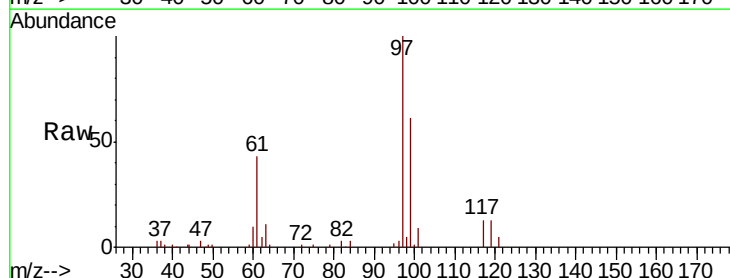
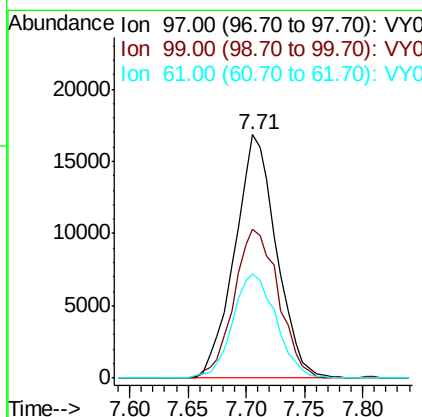
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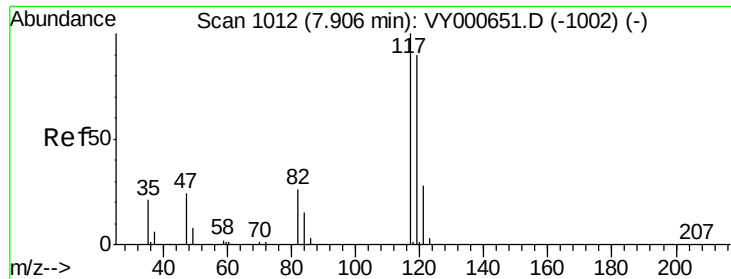
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#31
1,1,1-Trichloroethane
Concen: 4.986 ug/L
RT: 7.71 min Scan# 979
Delta R.T. -0.01 min
Lab File: VY000643.D
Acq: 12 Nov 2019 09:28

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.4	77.0
61	44.4	34.7	52.1





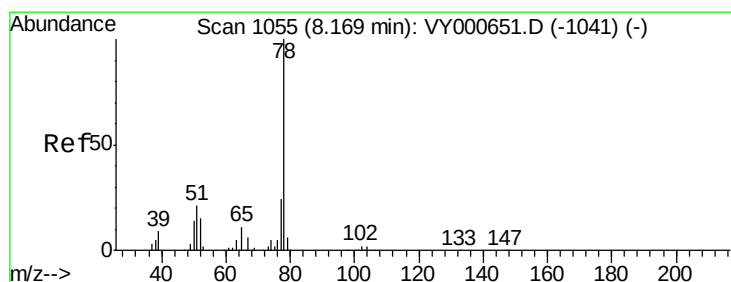
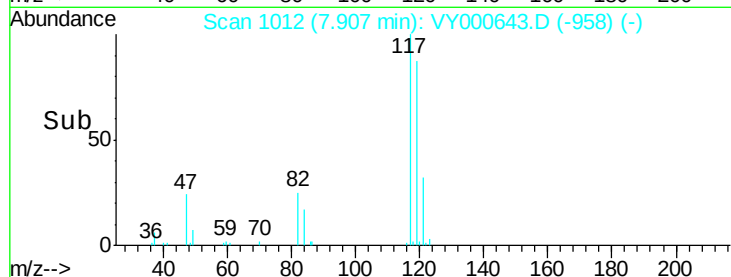
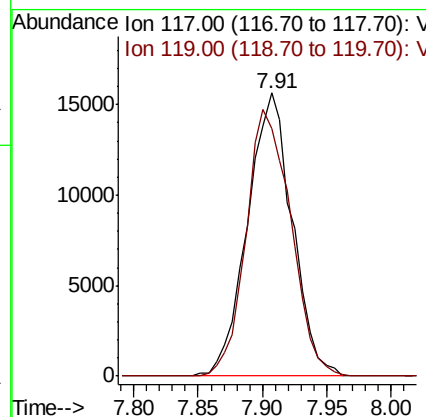
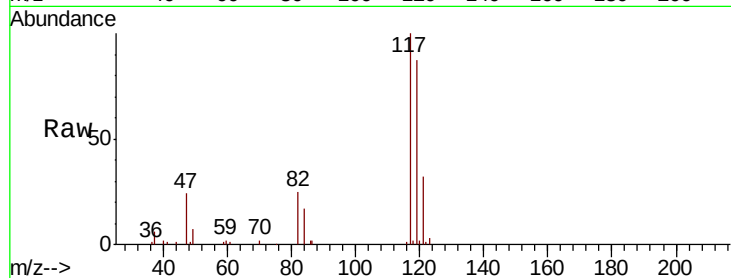
#32
Carbon tetrachloride
Concen: 5.125 ug/L
RT: 7.91 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VY000643.D
Acq: 12 Nov 2019 09:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTD2.578

Tot Ion:117 Resp: 37543
Ion Ratio Lower Upper
117 100
119 94.5 76.2 114.2

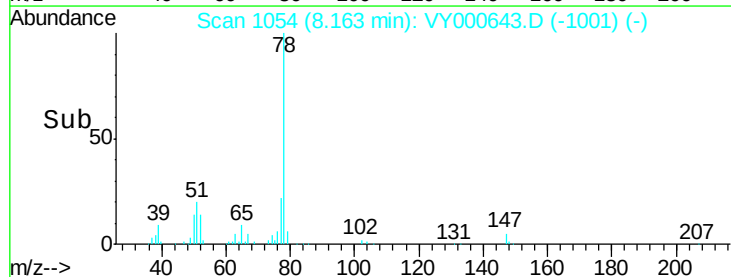
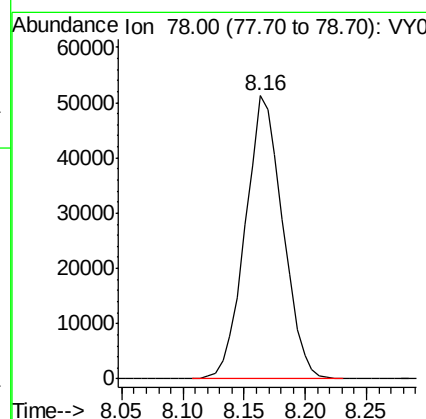
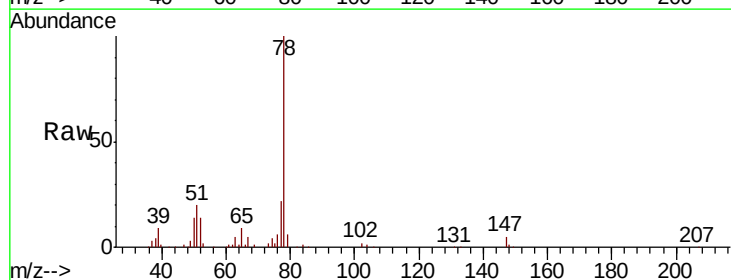
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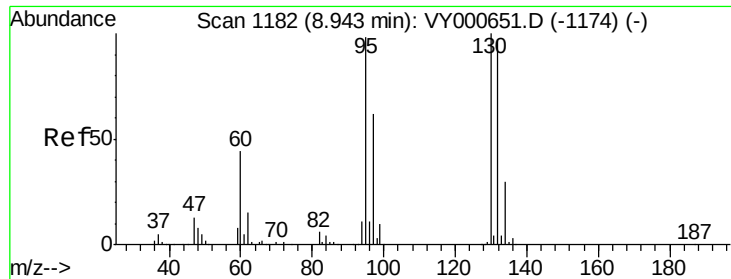
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#34
Benzene
Concen: 4.891 ug/L
RT: 8.16 min Scan# 1054
Delta R.T. -0.01 min
Lab File: VY000643.D
Acq: 12 Nov 2019 09:28

Tgt Ion: 78 Resp: 109093





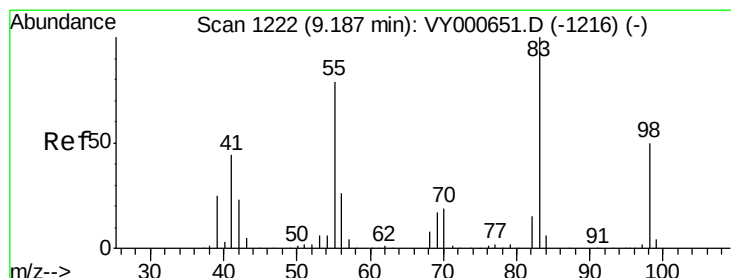
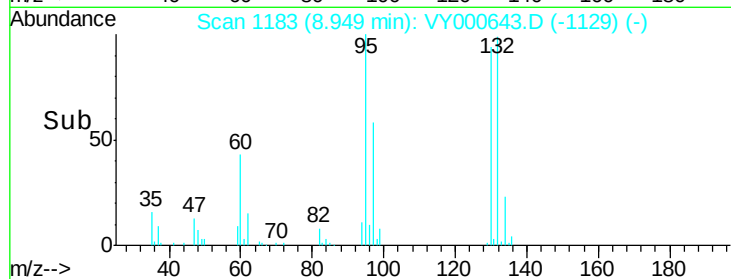
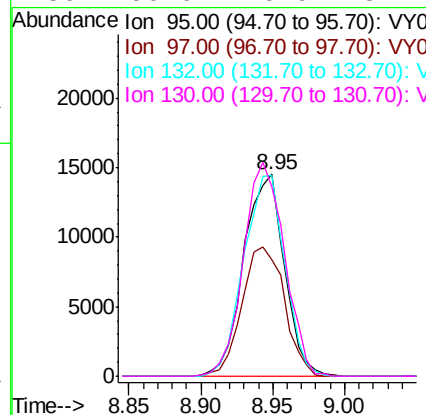
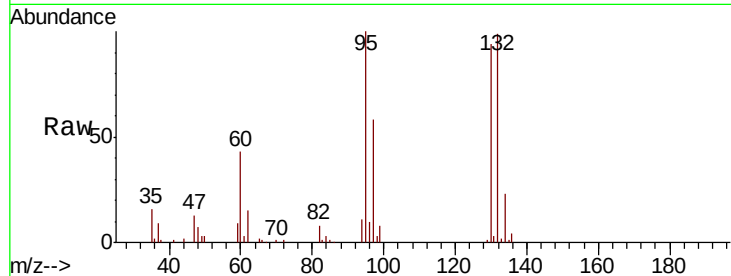
#35
 Trichloroethene
 Concen: 4.869 ug/L
 RT: 8.95 min Scan# 1183
 Delta R.T. 0.00 min
 Lab File: VY000643.D
 Acq: 12 Nov 2019 09:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.578

Tot Ion	95	Resp	28475
Ion	Ratio	Lower	Upper
95	100		
97	66.8	44.4	82.4
132	100.6	66.8	124.0
130	106.6	70.9	131.7

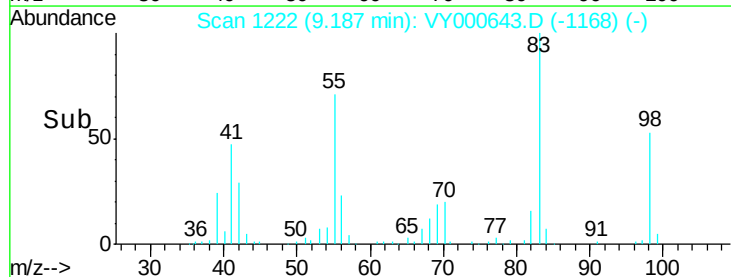
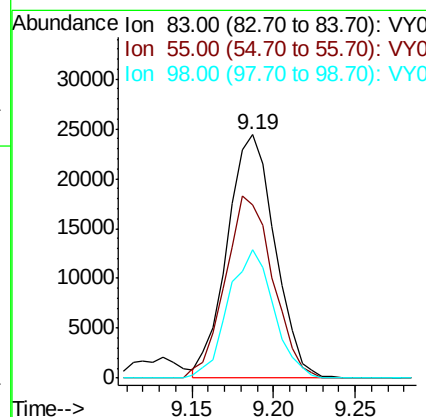
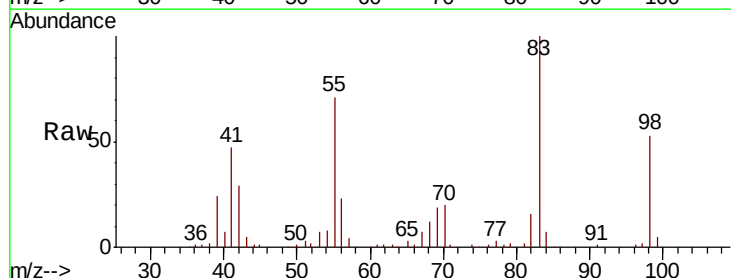
Manual Integrations
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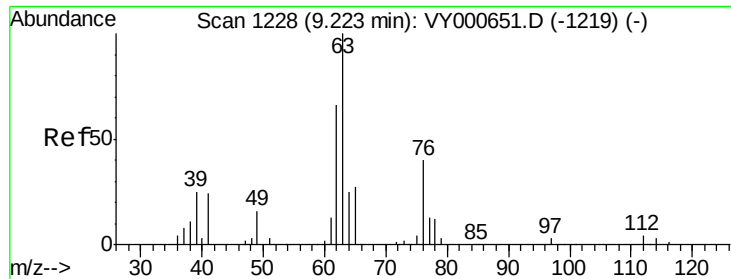
MMDadoda
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#36
 Methylcyclohexane
 Concen: 4.983 ug/L
 RT: 9.19 min Scan# 1222
 Delta R.T. 0.00 min
 Lab File: VY000643.D
 Acq: 12 Nov 2019 09:28

Tgt Ion	83	Resp	49884
Ion	Ratio	Lower	Upper
83	100		
55	74.6	60.0	90.0
98	50.1	40.2	60.2





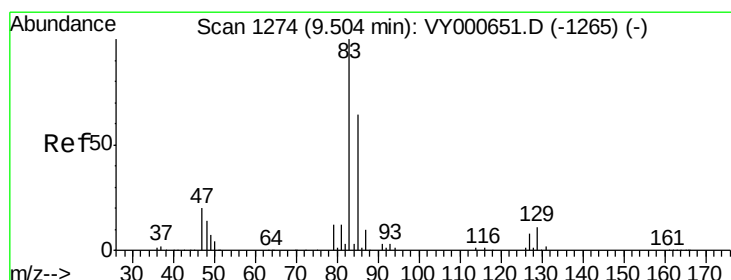
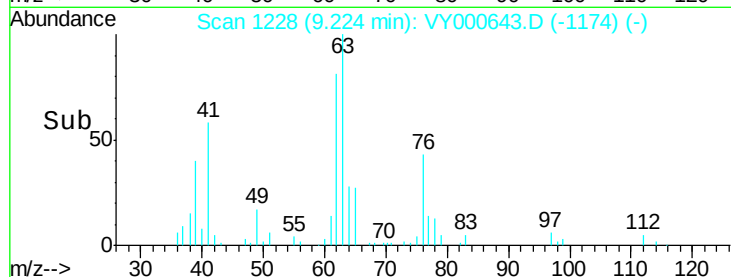
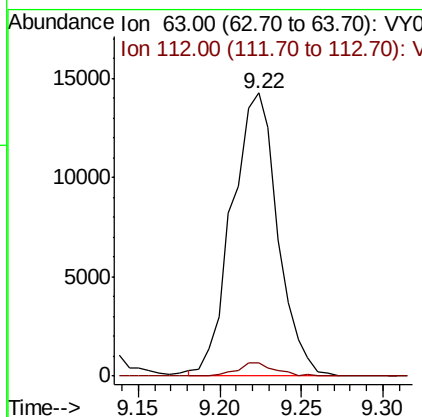
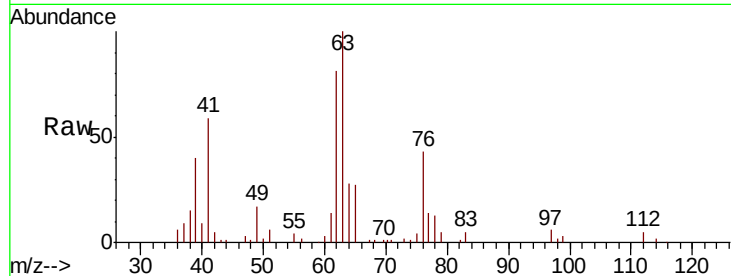
#40
 1,2-Dichloropropane
 Concen: 4.942 ug/L
 RT: 9.22 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VY000643.D
 Acq: 12 Nov 2019 09:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.578

Tot Ion: 63 Resp: 27937
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.2 4.8

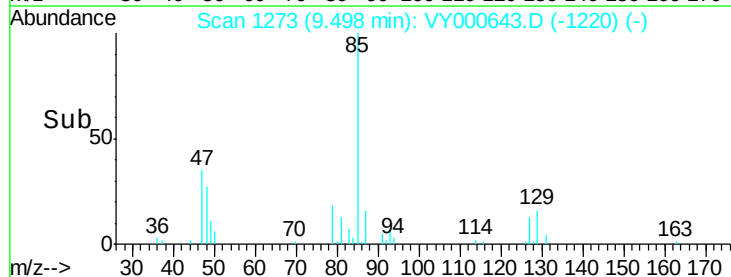
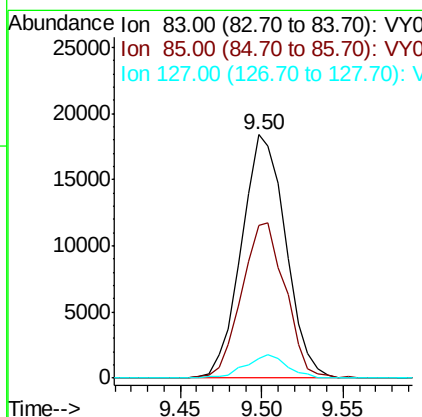
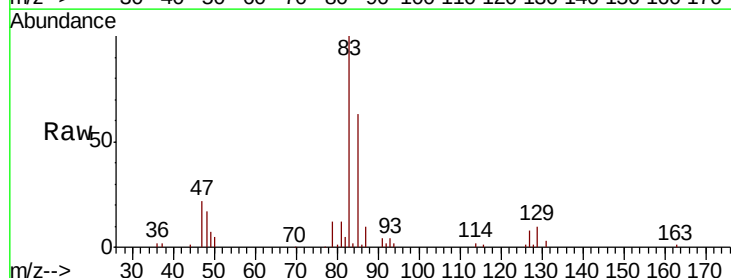
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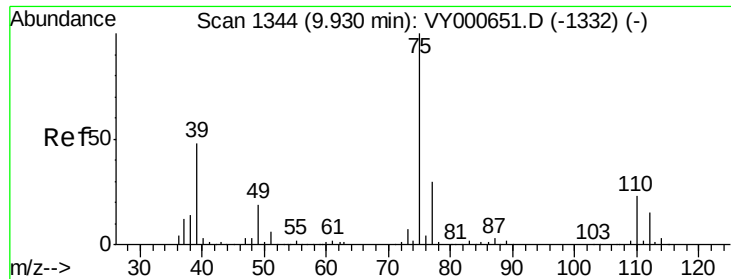
MMDadoda
 11/15/2019 3:06:34 PM



#41
 Bromodichloromethane
 Concen: 4.788 ug/L
 RT: 9.50 min Scan# 1273
 Delta R.T. -0.01 min
 Lab File: VY000643.D
 Acq: 12 Nov 2019 09:28

Tgt Ion: 83 Resp: 34820
 Ion Ratio Lower Upper
 83 100
 85 62.9 46.1 85.5
 127 8.0 6.5 9.7





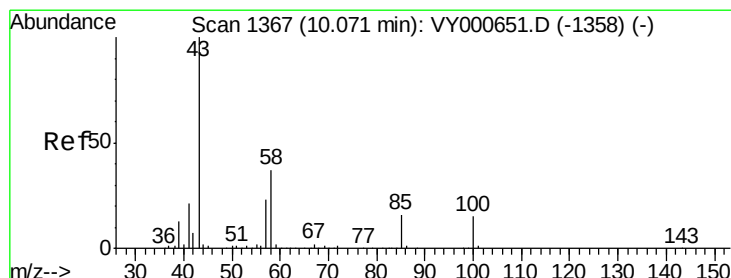
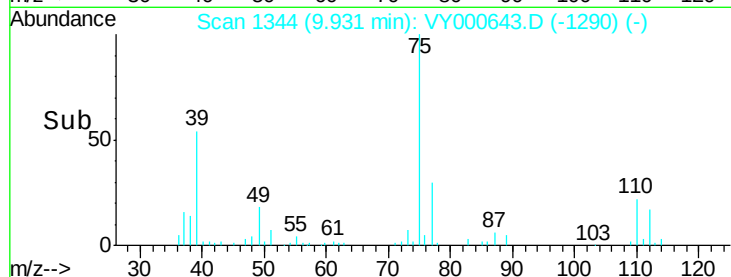
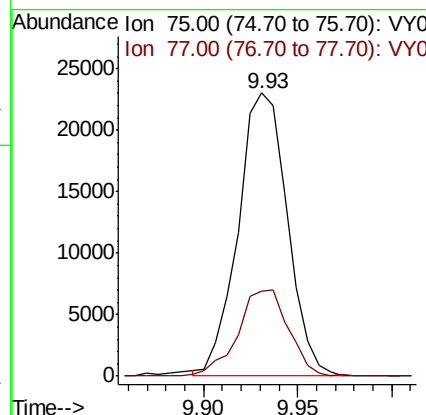
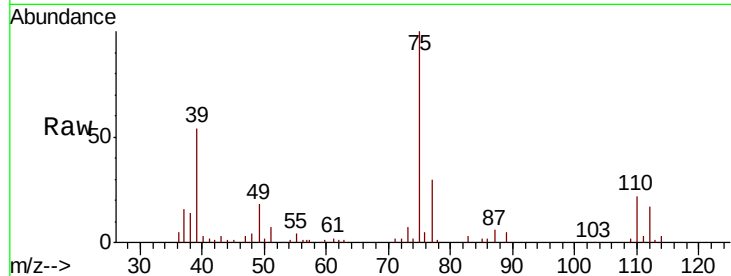
#42
 cis-1,3-Dichloropropene
 Concen: 4.586 ug/L
 RT: 9.93 min Scan# 1344
 Delta R.T. 0.00 min
 Lab File: VY000643.D
 Acq: 12 Nov 2019 09:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.578

Tot Ion: 75 Resp: 41758
 Ion Ratio Lower Upper
 75 100
 77 30.2 21.7 40.3

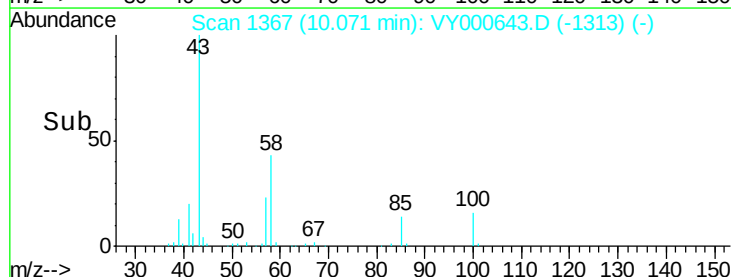
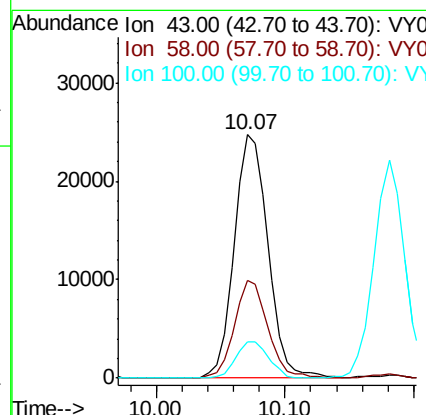
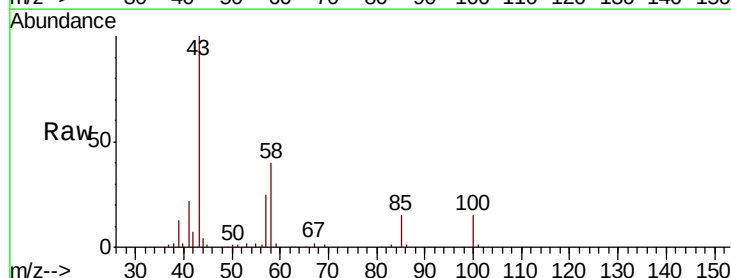
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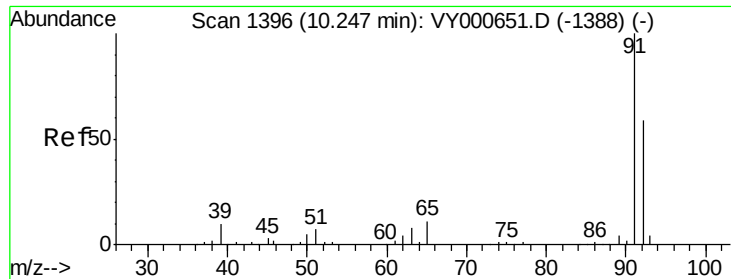
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#43
 4-Methyl-2-pentanone
 Concen: 8.333 ug/L
 RT: 10.07 min Scan# 1367
 Delta R.T. 0.00 min
 Lab File: VY000643.D
 Acq: 12 Nov 2019 09:28

Tgt Ion: 43 Resp: 45050
 Ion Ratio Lower Upper
 43 100
 58 38.7 30.6 45.8
 100 14.5 12.0 18.0





#44

Toluene

Concen: 4.682 ug/L

RT: 10.25 min Scan# 1396

Delta R.T. 0.00 min

Lab File: VY000643.D

Acq: 12 Nov 2019 09:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTD2.578

Tot Ion: 91 Resp: 112889

Ion Ratio Lower Upper

91 100

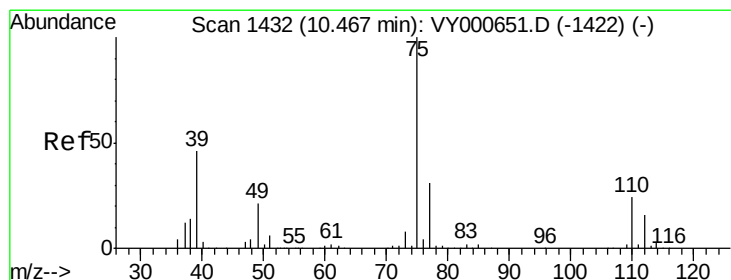
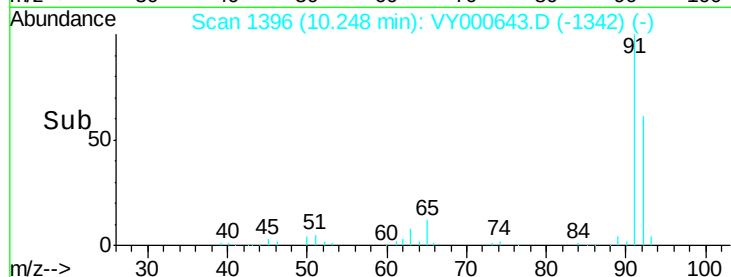
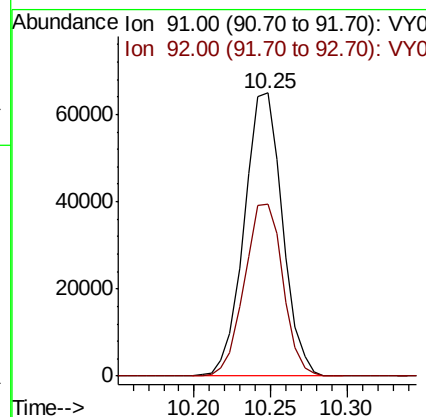
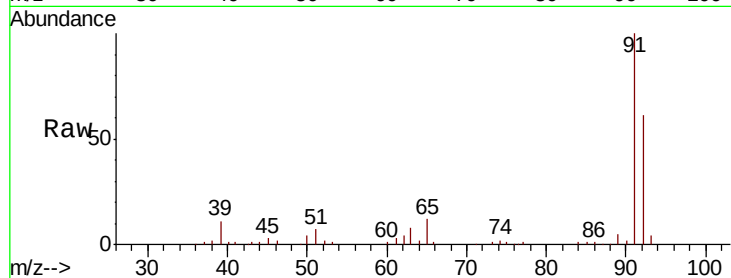
92 60.6 39.5 73.4

Manual Integrations

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#45

trans-1,3-Dichloropropene

Concen: 4.313 ug/L

RT: 10.47 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VY000643.D

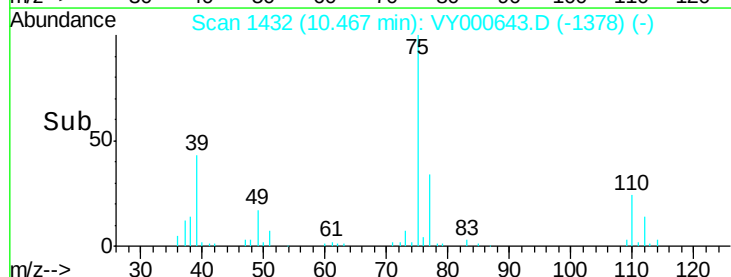
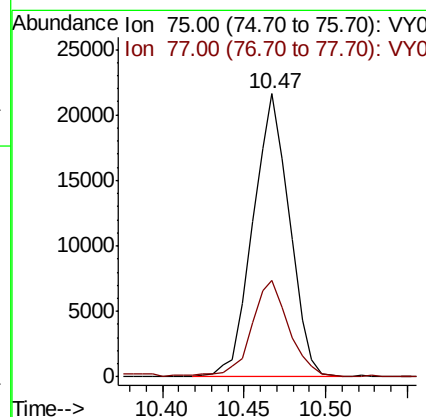
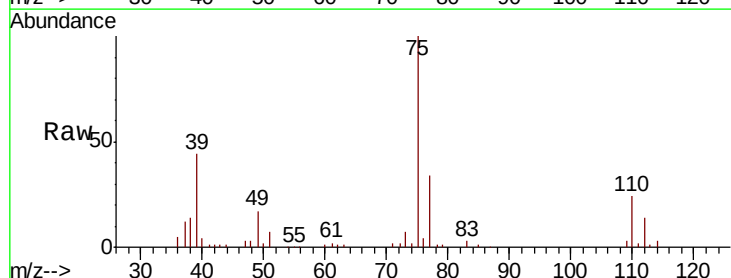
Acq: 12 Nov 2019 09:28

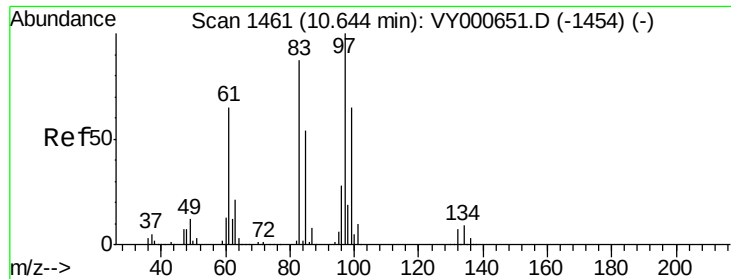
Tgt Ion: 75 Resp: 33738

Ion Ratio Lower Upper

75 100

77 34.3 20.4 37.8





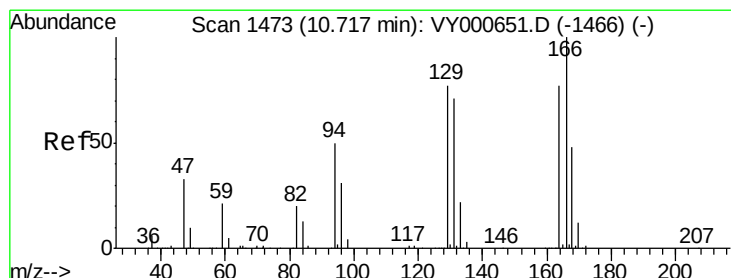
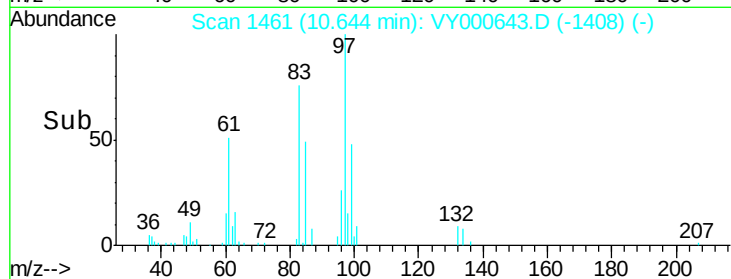
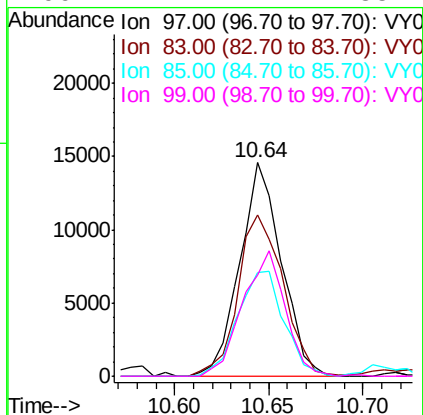
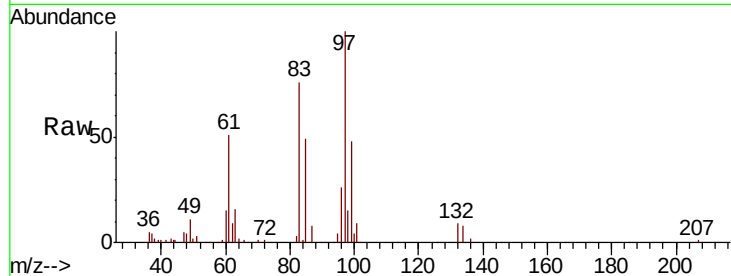
#46
 1,1,2-Trichloroethane
 Concen: 4.811 ug/L
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: VY000643.D
 Acq: 12 Nov 2019 09:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.578

Tot Ion	Ratio	Lower	Upper
97	100		
83	75.6	58.7	109.1
85	48.7	37.3	69.3
99	47.7	44.7	83.1

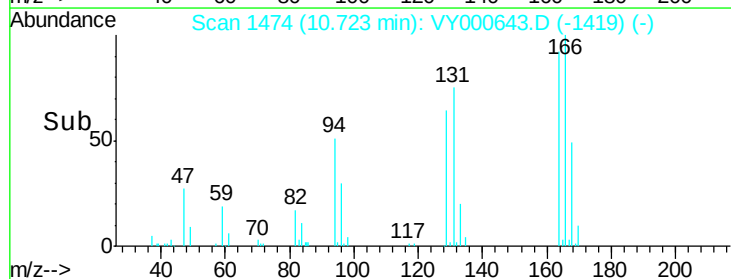
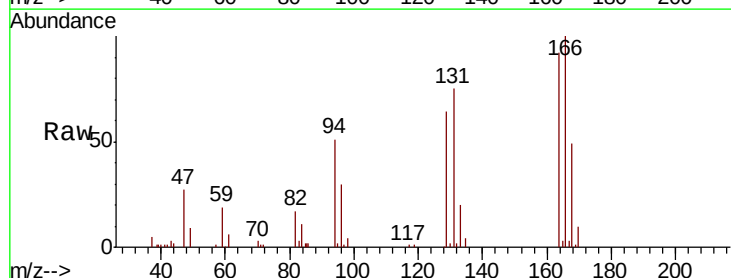
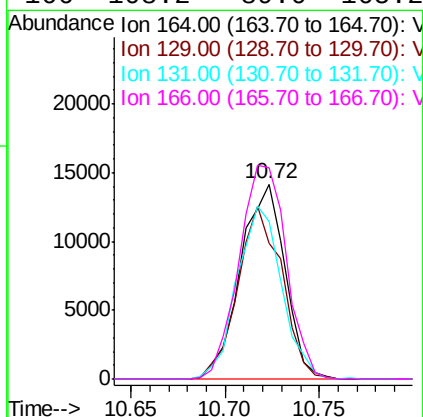
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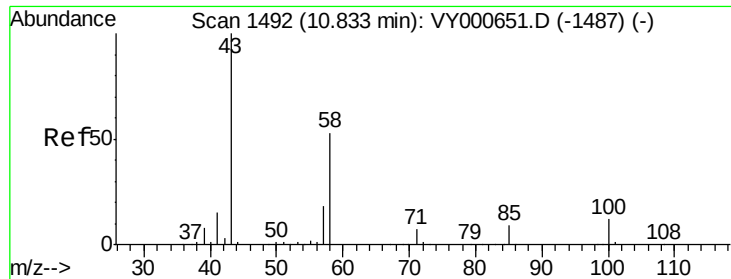
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#47
 Tetrachloroethene
 Concen: 5.306 ug/L
 RT: 10.72 min Scan# 1474
 Delta R.T. 0.01 min
 Lab File: VY000643.D
 Acq: 12 Nov 2019 09:28

Tgt Ion	Ratio	Lower	Upper
164	100		
129	69.7	69.6	129.2
131	80.9	66.8	124.2
166	108.2	89.0	165.2





#49

2-Hexanone

Concen: 8.303 ug/L

RT: 10.83 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VY000643.D

Acq: 12 Nov 2019 09:28

Instrument :

MSVOA_Y

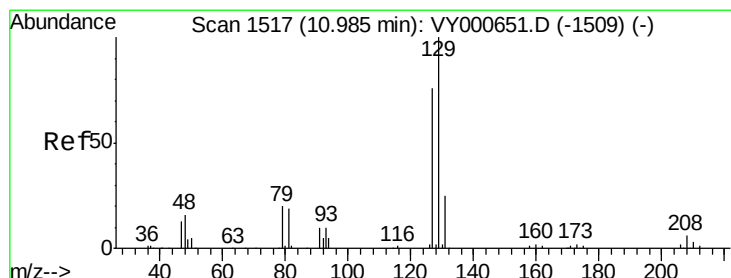
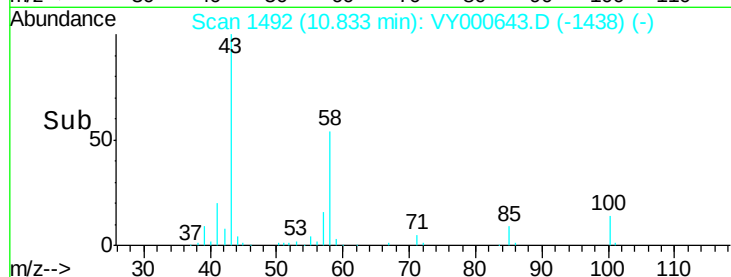
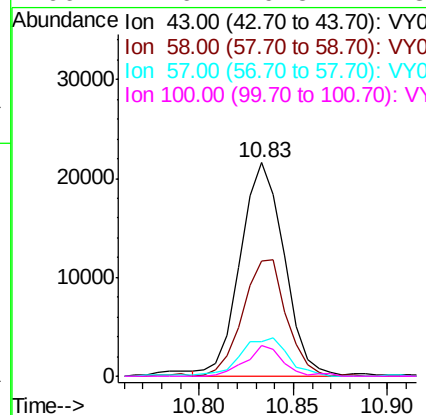
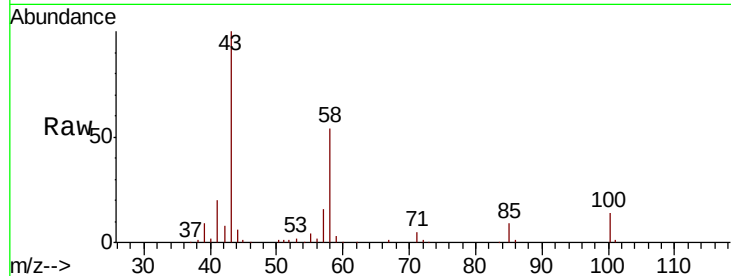
ClientSampleId :

VSTD2.578

Tot Ion:	43	Resp:	34962
Ion	Ratio	Lower	Upper
43	100		
58	54.0	44.1	66.1
57	19.6	13.9	20.9
100	11.6	9.5	14.3

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#50

Dibromochloromethane

Concen: 4.524 ug/L

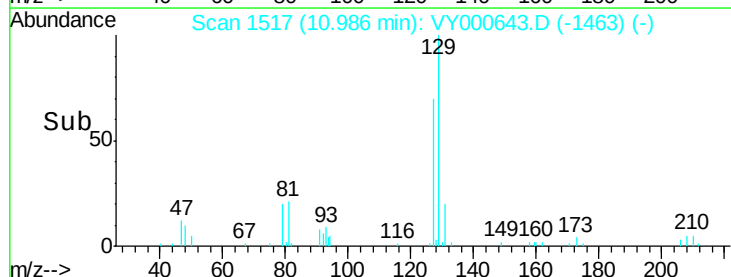
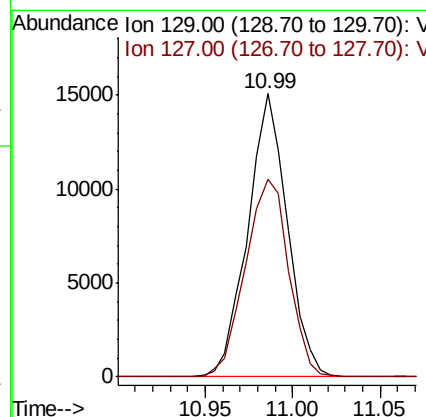
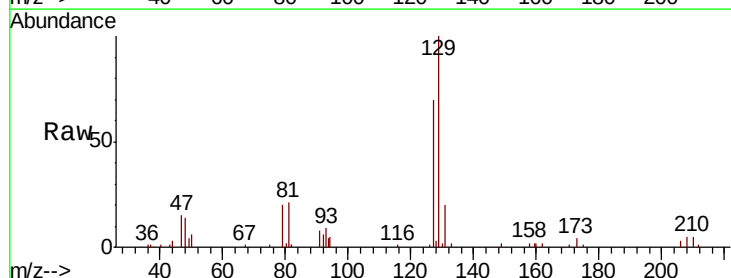
RT: 10.99 min Scan# 1517

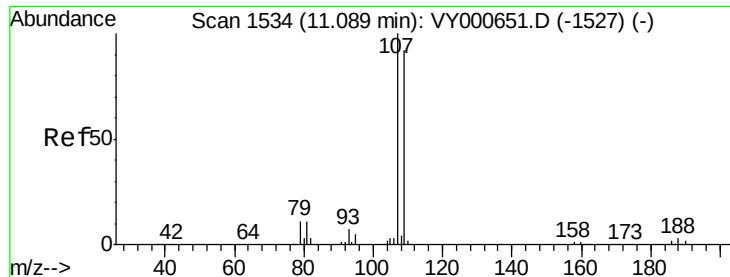
Delta R.T. 0.00 min

Lab File: VY000643.D

Acq: 12 Nov 2019 09:28

Tgt Ion:	129	Resp:	23697
Ion	Ratio	Lower	Upper
129	100		
127	69.9	57.9	107.5





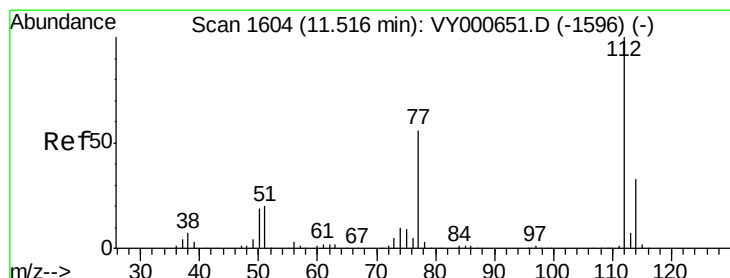
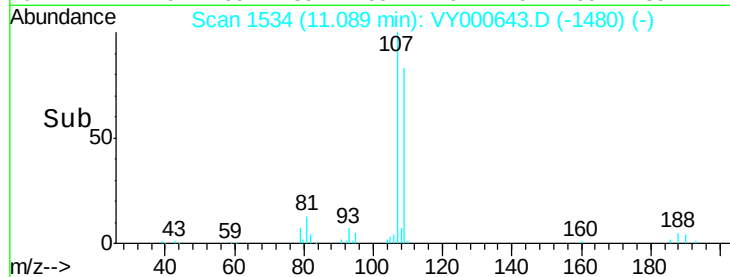
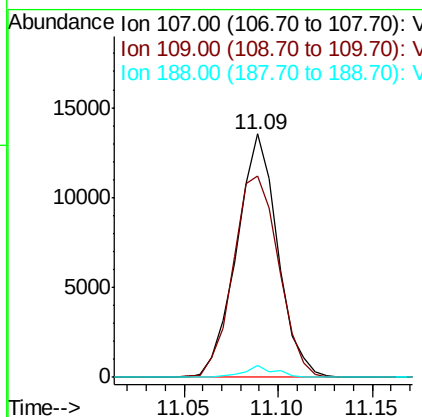
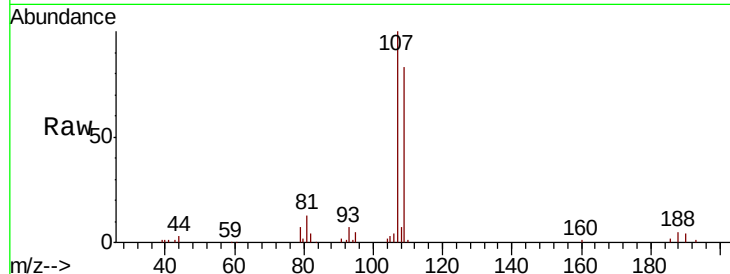
#51
1,2-Dibromoethane
Concen: 4.527 ug/L
RT: 11.09 min Scan# 1534
Delta R.T. 0.00 min
Lab File: VY000643.D
Acq: 12 Nov 2019 09:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTD2.578

Tot Ion	Ratio	Lower	Upper
107	100		
109	82.9	65.5	121.6
188	4.8	2.7	4.1#

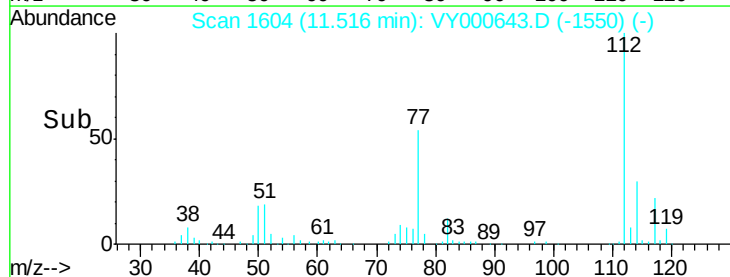
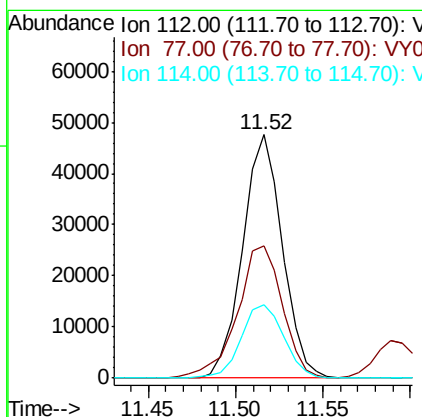
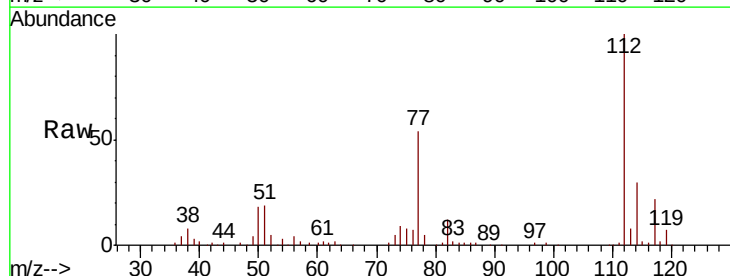
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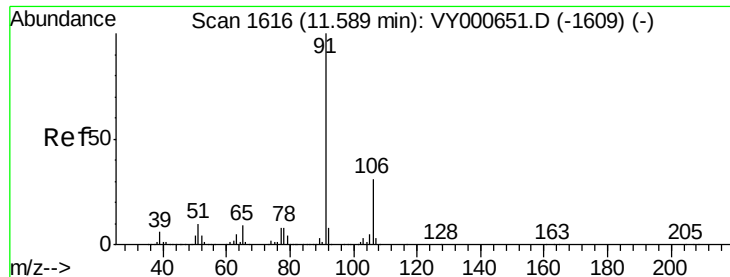
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#52
Chlorobenzene
Concen: 4.916 ug/L
RT: 11.52 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VY000643.D
Acq: 12 Nov 2019 09:28

Tgt Ion	Ratio	Lower	Upper
112	100		
77	54.4	47.4	71.0
114	30.0	23.0	42.6





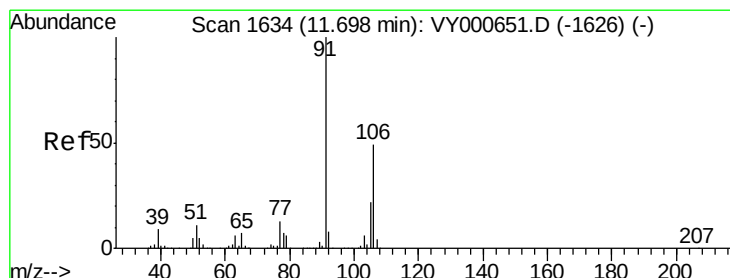
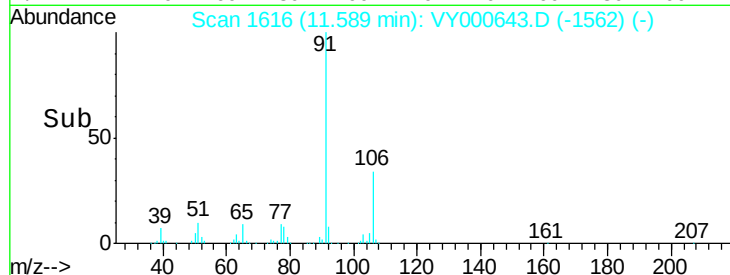
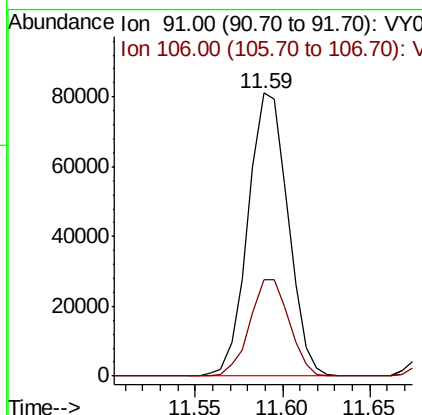
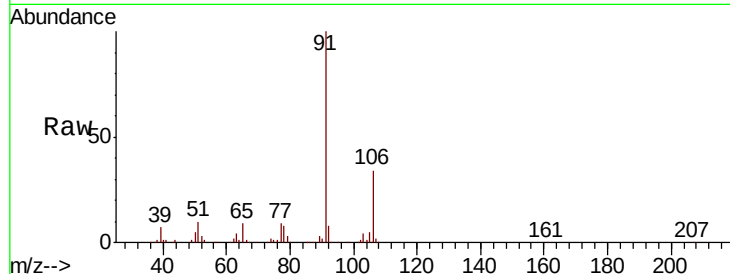
#53
Ethylbenzene
Concen: 4.733 ug/L
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY000643.D
Acq: 12 Nov 2019 09:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTD2.578

Tot Ion: 91 Resp: 129103
Ion Ratio Lower Upper
91 100
106 34.0 20.9 38.7

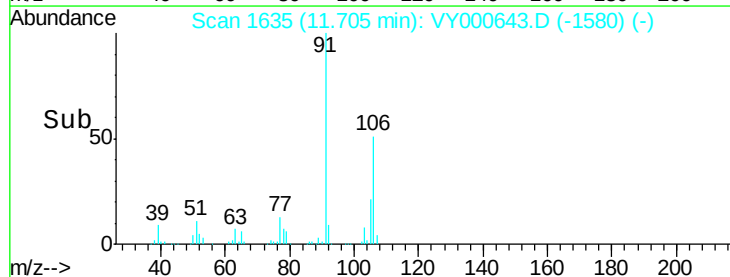
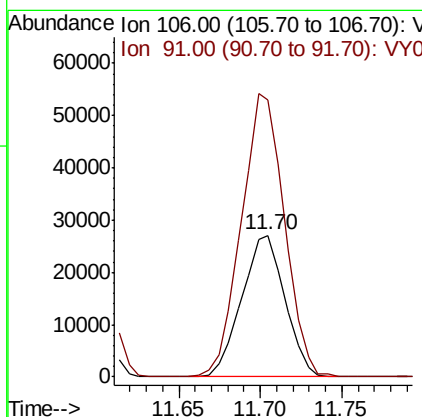
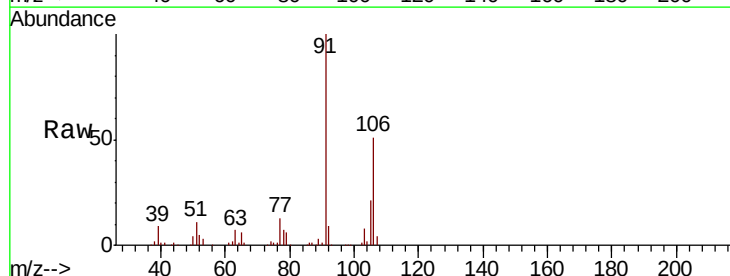
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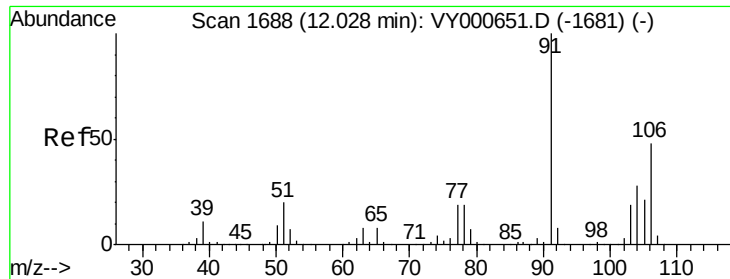
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#54
m,p-Xylene
Concen: 4.840 ug/L
RT: 11.70 min Scan# 1635
Delta R.T. 0.01 min
Lab File: VY000643.D
Acq: 12 Nov 2019 09:28

Tgt Ion: 106 Resp: 49963
Ion Ratio Lower Upper
106 100
91 195.9 137.4 255.2





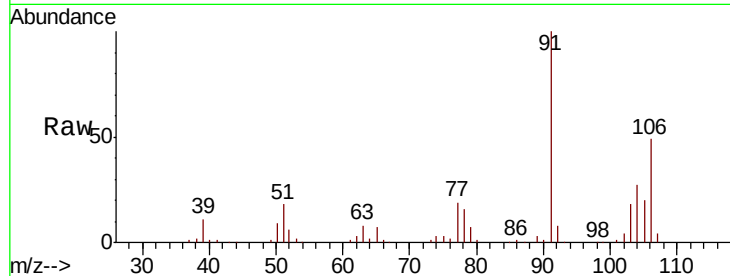
#55
o-xylene
Concen: 4.727 ug/L
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY000643.D
Acq: 12 Nov 2019 09:28

Instrument :
MSVOA_Y
ClientSampled :
VSTD2.578

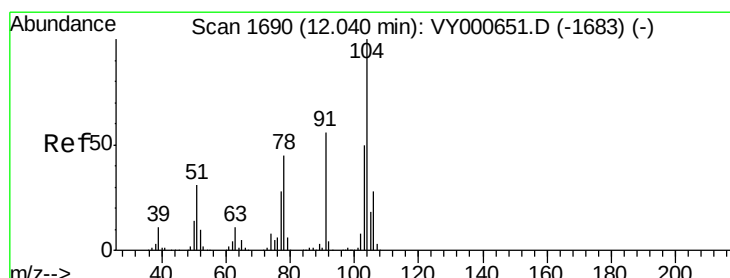
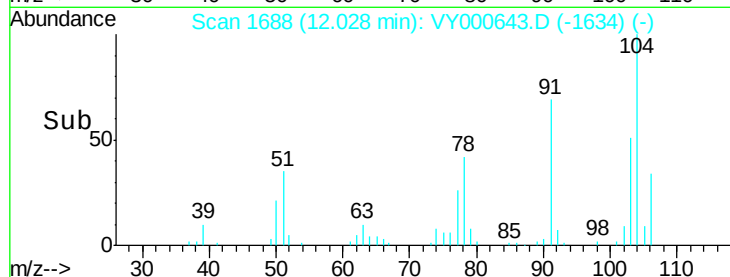
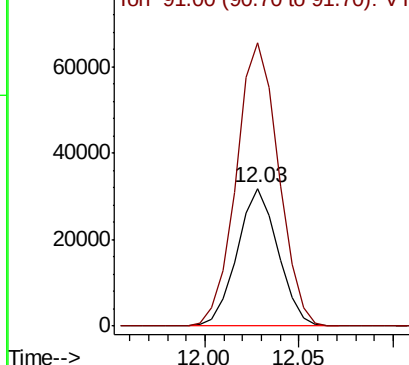
Tot Ion:106 Resp: 47898
Ion Ratio Lower Upper
106 100
91 205.8 147.8 274.6

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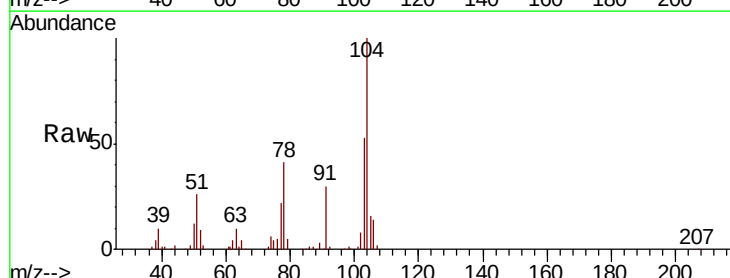


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

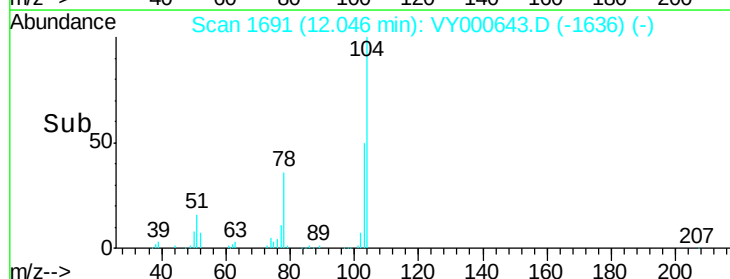
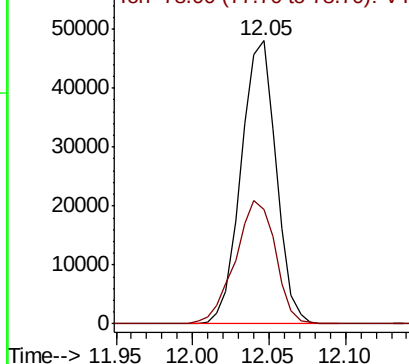


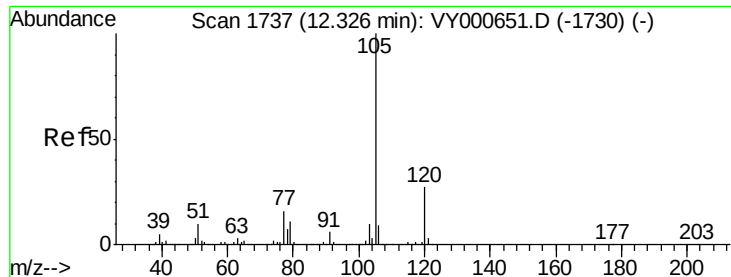
#56
Styrene
Concen: 4.551 ug/L
RT: 12.05 min Scan# 1691
Delta R.T. 0.01 min
Lab File: VY000643.D
Acq: 12 Nov 2019 09:28

Tgt Ion:104 Resp: 76614
Ion Ratio Lower Upper
104 100
78 40.6 31.5 58.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VY0





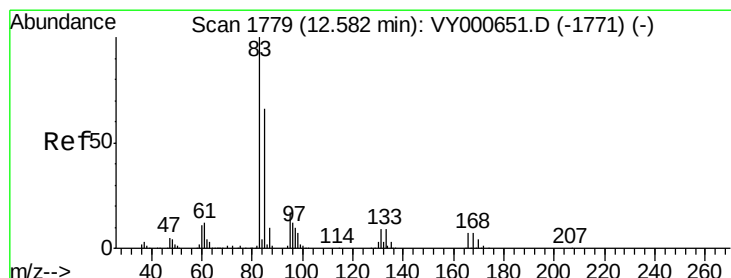
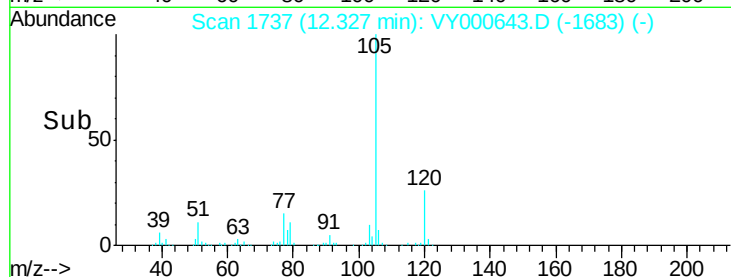
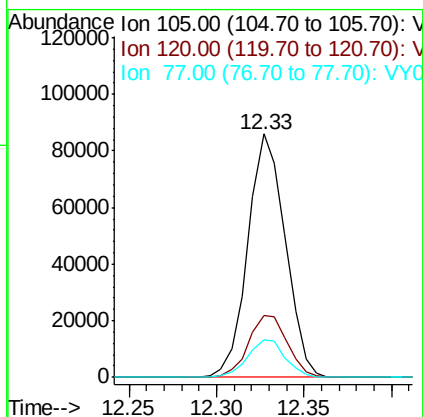
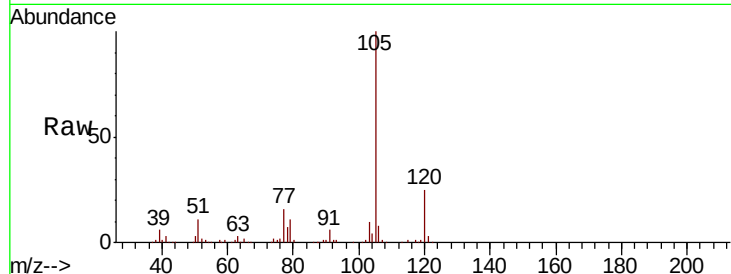
#57
Isopropylbenzene
Concen: 4.859 ug/L
RT: 12.33 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VY000643.D
Acq: 12 Nov 2019 09:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTD2.578

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.4	21.5	32.3
77	15.6	12.6	19.0

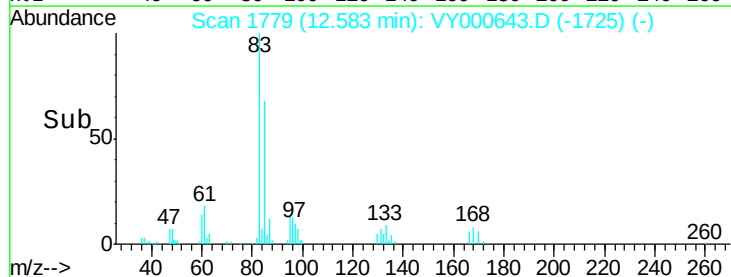
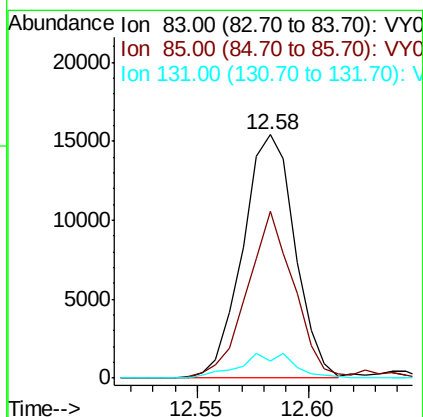
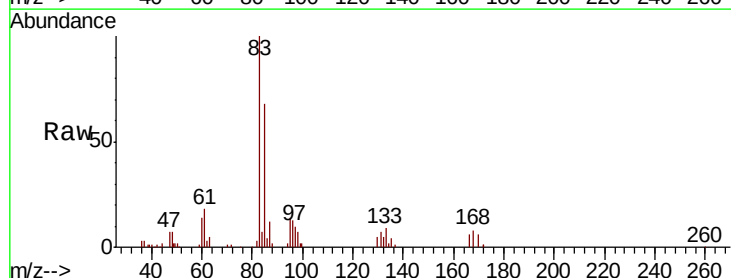
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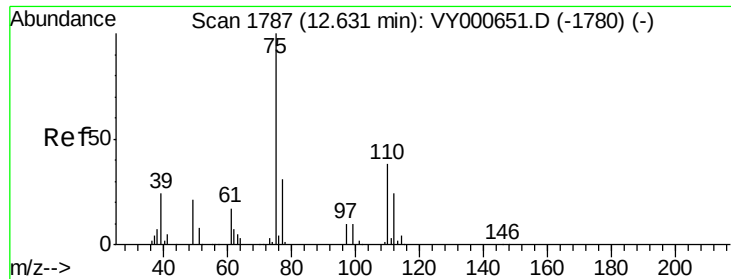
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#58
1,1,2,2-Tetrachloroethane
Concen: 4.347 ug/L
RT: 12.58 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VY000643.D
Acq: 12 Nov 2019 09:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.4	45.0	83.6
131	7.2	7.8	11.6





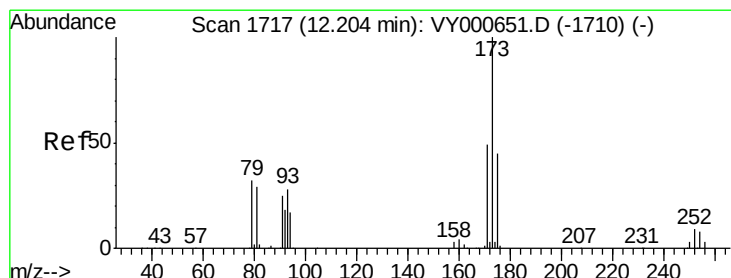
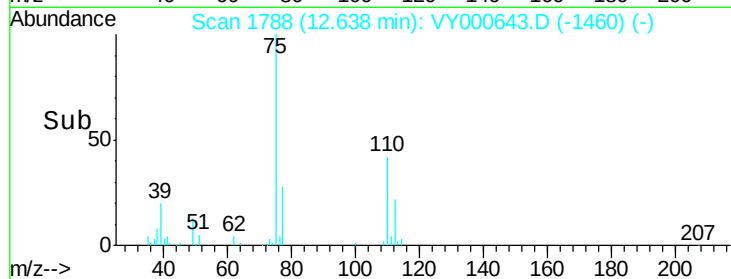
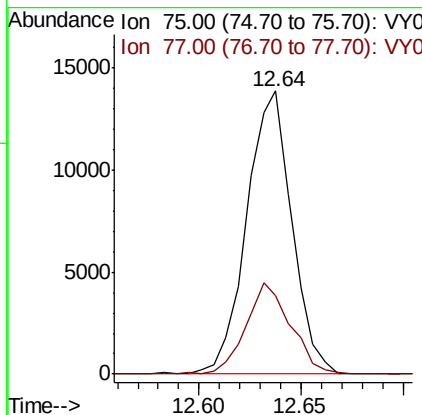
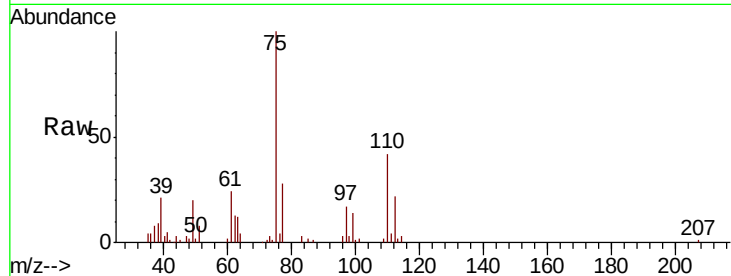
#59
 1,2,3-Trichloropropane
 Concen: 4.531 ug/L
 RT: 12.64 min Scan# 1788
 Delta R.T. 0.00 min
 Lab File: VY000643.D
 Acq: 12 Nov 2019 09:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.578

Tot Ion: 75 Resp: 21313
 Ion Ratio Lower Upper
 75 100
 77 32.0 26.4 39.6

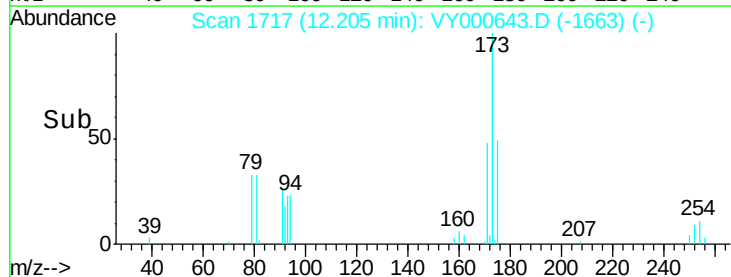
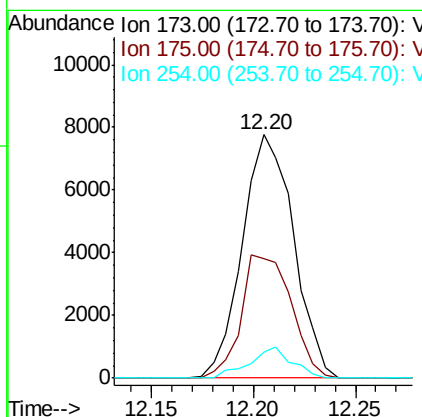
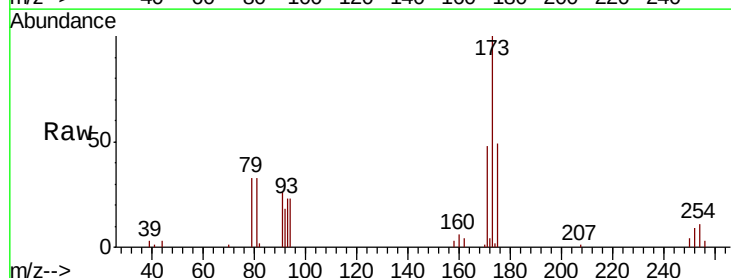
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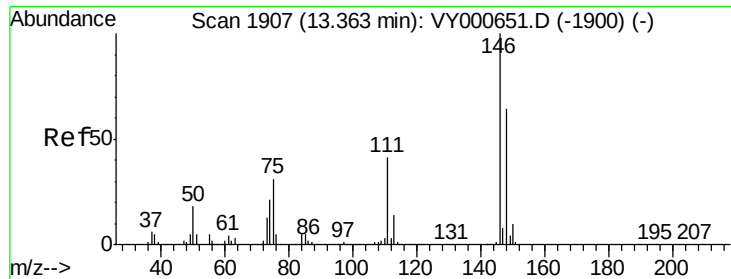
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#62
 Bromoform
 Concen: 4.408 ug/L
 RT: 12.20 min Scan# 1717
 Delta R.T. 0.00 min
 Lab File: VY000643.D
 Acq: 12 Nov 2019 09:28

Tgt Ion: 173 Resp: 13600
 Ion Ratio Lower Upper
 173 100
 175 49.1 37.8 56.6
 254 10.4 7.7 11.5





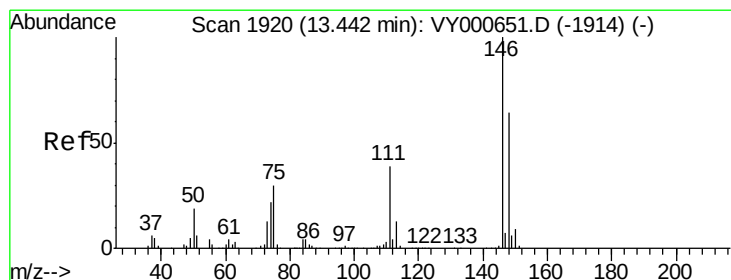
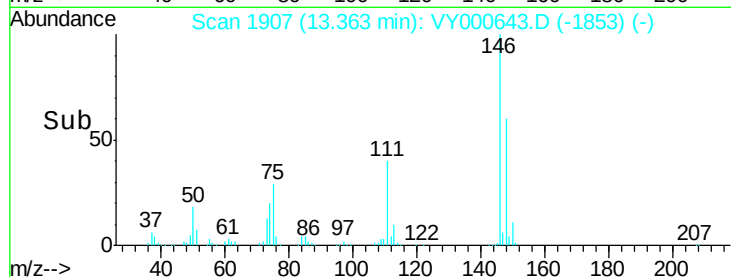
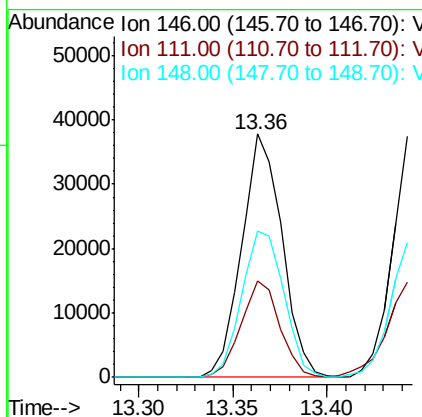
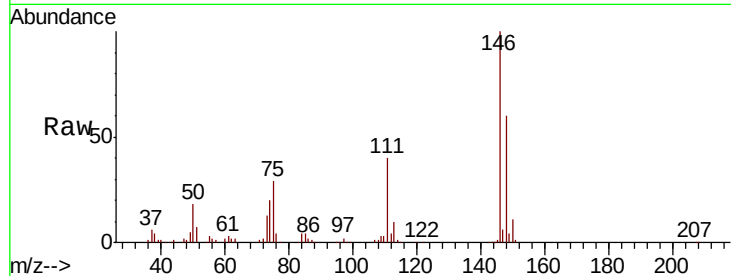
#63
 1,3-Dichlorobenzene
 Concen: 4.856 ug/L
 RT: 13.36 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY000643.D
 Acq: 12 Nov 2019 09:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.578

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	28.8	53.6
148	60.2	44.3	82.3

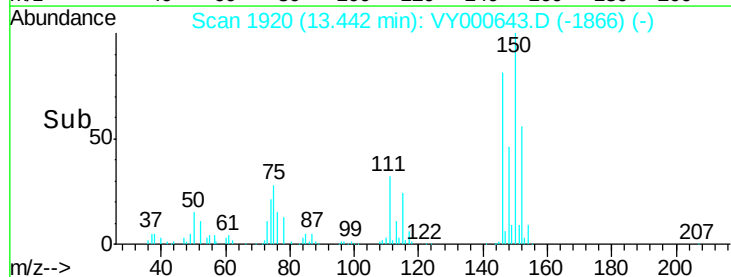
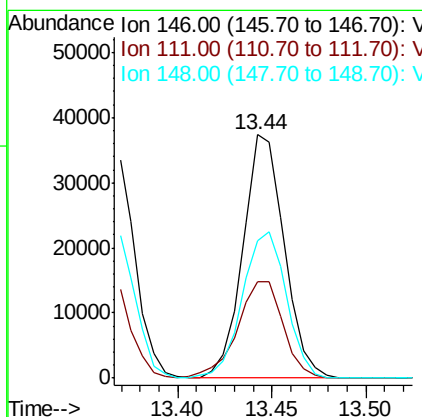
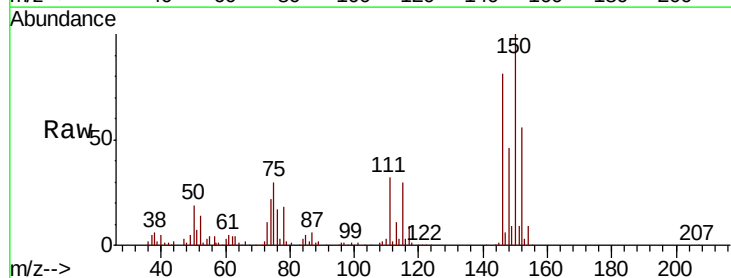
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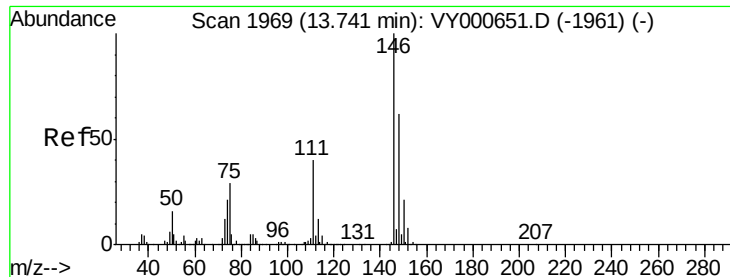
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#64
 1,4-Dichlorobenzene
 Concen: 4.912 ug/L
 RT: 13.44 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VY000643.D
 Acq: 12 Nov 2019 09:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	26.7	49.5
148	56.3	45.2	84.0





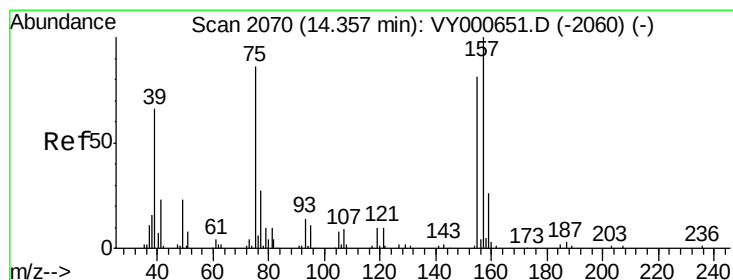
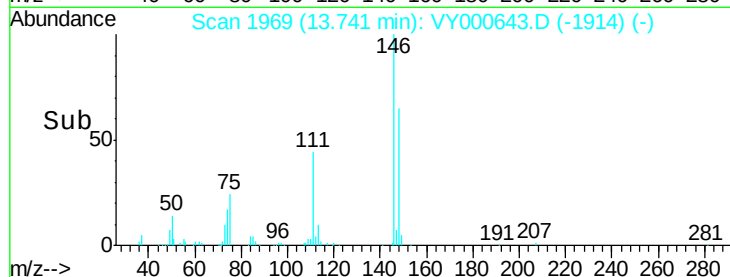
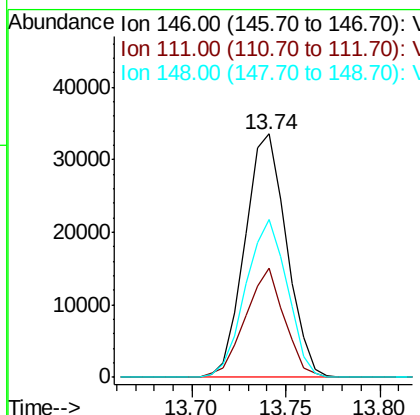
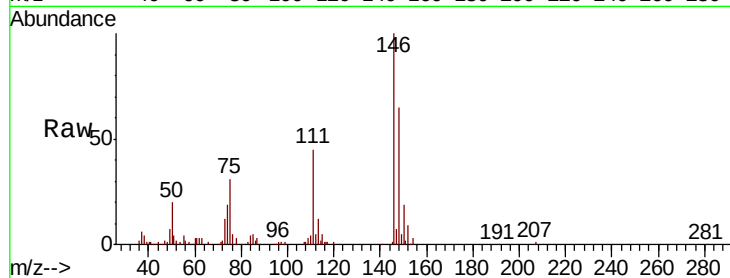
#65
 1,2-Dichlorobenzene
 Concen: 4.809 ug/L
 RT: 13.74 min Scan# 1969
 Delta R.T. 0.01 min
 Lab File: VY000643.D
 Acq: 12 Nov 2019 09:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.578

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.1	33.8	50.8
148	64.8	51.0	76.6

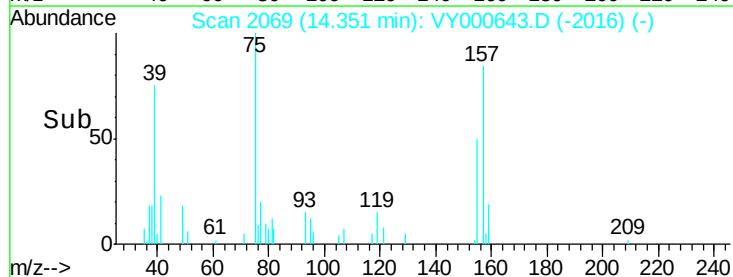
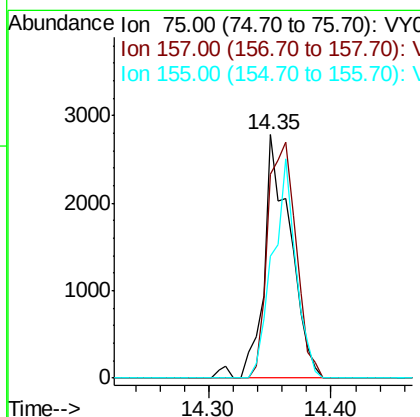
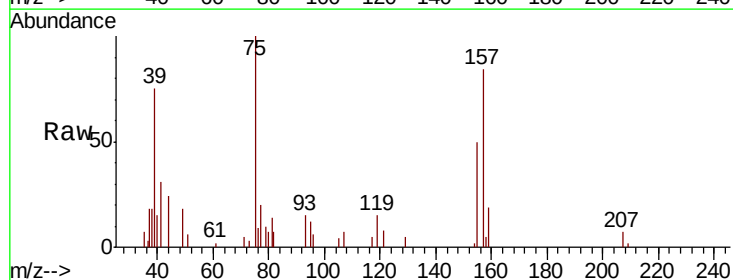
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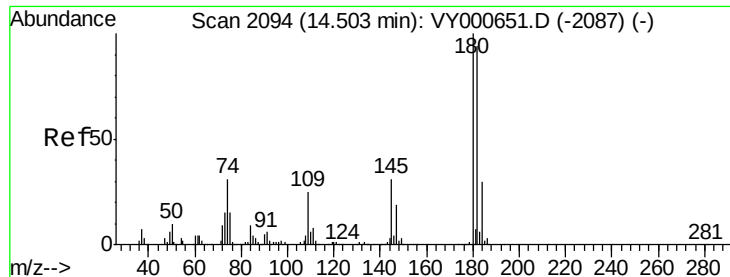
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#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.117 ug/L
 RT: 14.35 min Scan# 2069
 Delta R.T. -0.01 min
 Lab File: VY000643.D
 Acq: 12 Nov 2019 09:28

Tgt Ion	Ratio	Lower	Upper
75	100		
157	83.9	78.1	117.1
155	50.3	64.2	96.4#





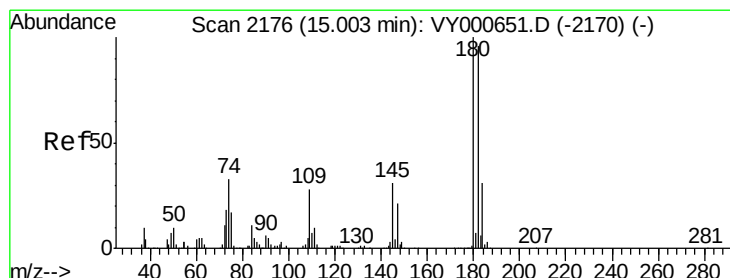
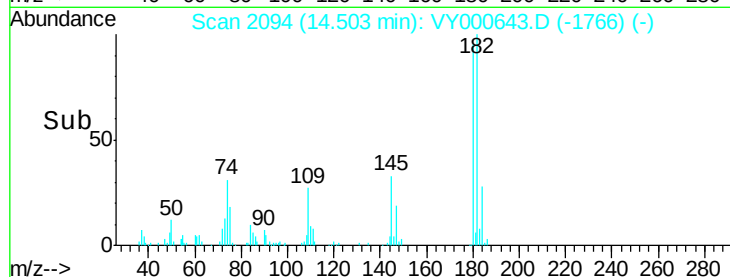
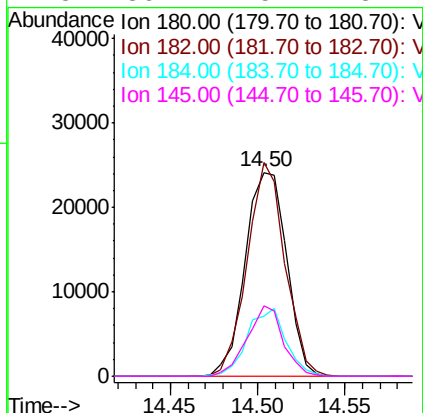
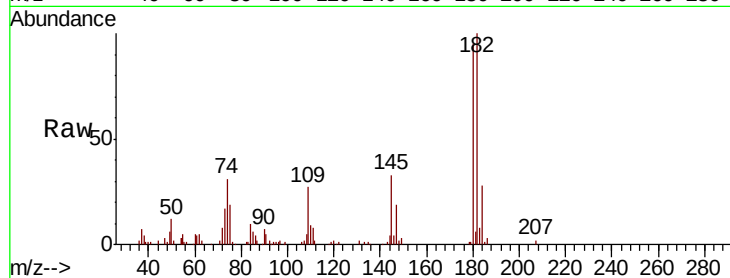
#67
 1,3,5-Trichlorobenzene
 Concen: 4.928 ug/L
 RT: 14.50 min Scan# 2094
 Delta R.T. 0.00 min
 Lab File: VY000643.D
 Acq: 12 Nov 2019 09:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.578

Tot Ion:	180	Resp:	39807
Ion Ratio	Lower	Upper	
180	100		
182	95.6	75.6	113.4
184	30.9	24.5	36.7
145	30.1	25.1	37.7

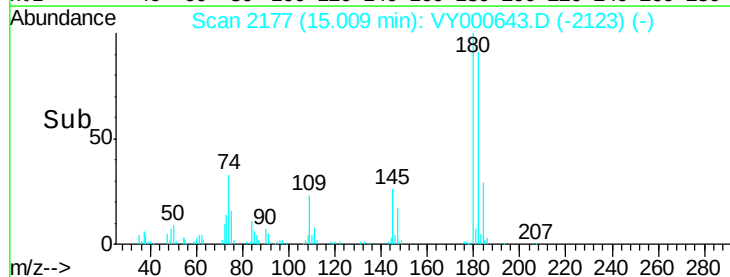
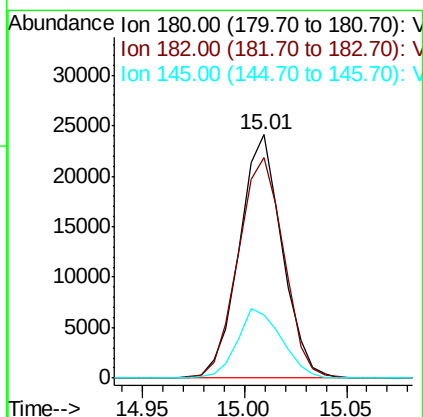
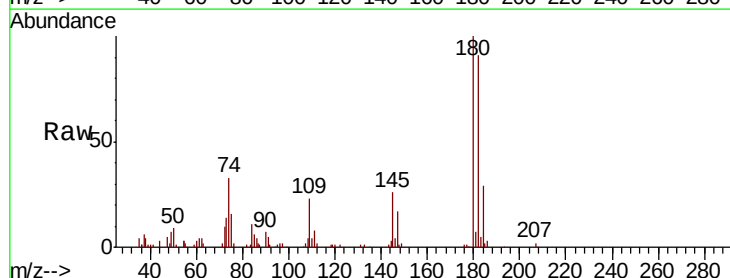
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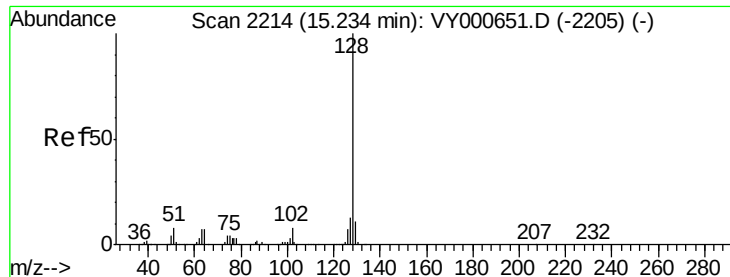
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#68
 1,2,4-trichlorobenzene
 Concen: 4.877 ug/L
 RT: 15.01 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VY000643.D
 Acq: 12 Nov 2019 09:28

Tgt Ion:	180	Resp:	35210
Ion Ratio	Lower	Upper	
180	100		
182	96.3	77.5	116.3
145	29.5	25.4	38.2





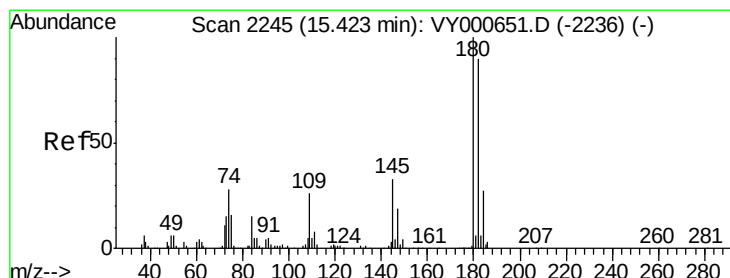
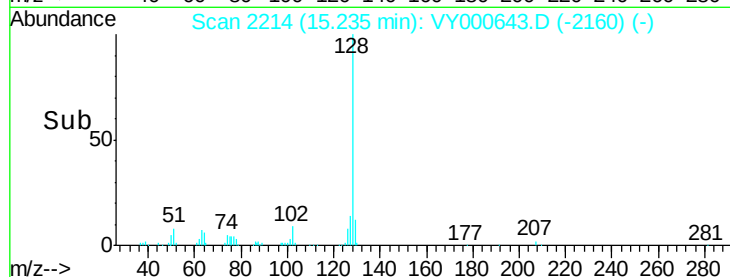
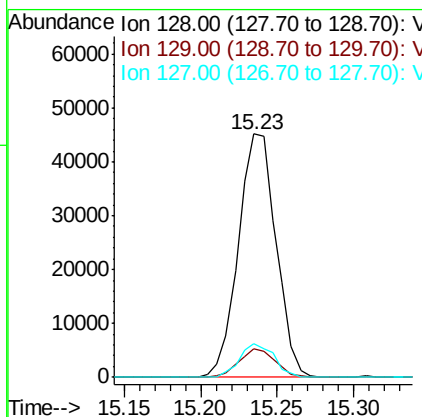
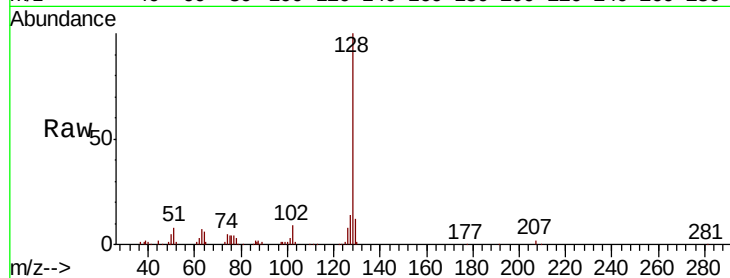
#69
Naphthalene
Concen: 4.293 ug/L
RT: 15.23 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VY000643.D
Acq: 12 Nov 2019 09:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTD2.578

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.4	12.6
127	12.7	9.8	14.6

Manual Integrations
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#70
1,2,3-Trichlorobenzene
Concen: 4.803 ug/L
RT: 15.42 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VY000643.D
Acq: 12 Nov 2019 09:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	76.2	114.4
145	32.8	26.6	39.8

