

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111920\
 Data File : VY003551.D
 Acq On : 19 Nov 2020 16:33
 Operator : SY/MD
 Sample : MDL04
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL04

Manual Integrations
 APPROVED

MMDadoda
 11/20/2020 10:22:52 AM

Quant Time: Nov 20 03:03:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111920S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 20 01:42:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	239983	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	216040	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	100590	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	50600	19.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.52%
7) Chloroethane-d5	2.77	69	46644	19.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.04%
10) 1,1-Dichloroethene-d2	3.86	63	97138	14.86	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	59.44%
20) 2-Butanone-d5	6.91	46	54426	40.81	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.62%
24) Chloroform-d	7.49	84	132570	21.73	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	86.92%
26) 1,2-Dichloroethane-d4	8.14	65	75326	22.03	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	88.12%
29) Benzene-d6	8.11	84	272751	21.67	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	86.68%
33) 1,2-Dichloropropane-d6	9.13	67	82304	22.30	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.20%
37) Toluene-d8	10.18	98	247495	21.95	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	87.80%
38) trans-1,3-Dichloropropene-	10.44	79	39604	21.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.00%
39) 2-Hexanone-d5	10.79	63	39234	40.88	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.76%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	66815	20.78	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	83.12%
61) 1,2-Dichlorobenzene-d4	13.72	152	73028	22.49	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.96%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.93	85	1081	0.850 ug/L #	79
3) Chloromethane	2.12	50	3576	1.336 ug/L	88
5) Vinyl chloride	2.26	62	4290	1.342 ug/L #	73
6) Bromomethane	2.66	94	2990	1.205 ug/L	94
8) Chloroethane	2.80	64	2533	1.167 ug/L	95
9) Trichlorofluoromethane	3.13	101	3432	1.120 ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	5037m	1.585 ug/L	
12) 1,1-Dichloroethene	3.88	96	4947	1.488 ug/L #	1
13) Acetone	3.97	43	3030	3.164 ug/L	57
14) Carbon disulfide	4.21	76	13271	1.205 ug/L #	94
15) Methyl Acetate	4.50	43	2959m	1.218 ug/L	
16) Methylene chloride	4.72	84	13836	3.363 ug/L	97
17) Methyl tert-butyl Ether	5.24	73	6457m	1.243 ug/L	
18) trans-1,2-Dichloroethene	5.22	96	4534	1.294 ug/L	77
19) 1,1-Dichloroethane	6.03	63	7781	1.315 ug/L	97
21) 2-Butanone	7.00	43	5462	3.387 ug/L	85
22) cis-1,2-Dichloroethene	6.99	96	4851	1.348 ug/L #	76

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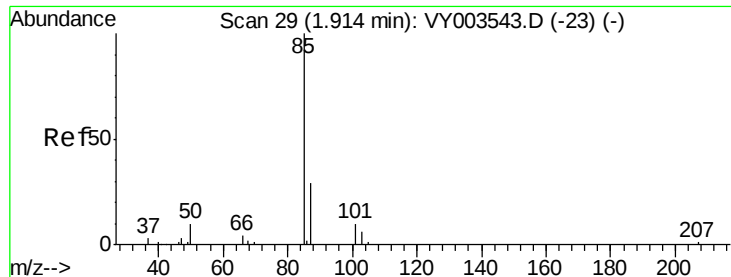
Manual Integrations
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.35	128	2172	1.247	ug/L	96
25) Chloroform	7.52	83	8248	1.402	ug/L	81
27) 1,2-Dichloroethane	8.24	62	5193	1.307	ug/L	96
30) Cyclohexane	7.80	56	6061	1.154	ug/L	97
31) 1,1,1-Trichloroethane	7.71	97	5773	1.228	ug/L	96
32) Carbon tetrachloride	7.91	117	5347	1.197	ug/L	95
34) Benzene	8.16	78	17682	1.298	ug/L	100
35) Trichloroethene	8.94	95	4546	1.317	ug/L	97
36) Methylcyclohexane	9.19	83	6519	1.208	ug/L	93
40) 1,2-Dichloropropane	9.22	63	4285	1.275	ug/L #	97
41) Bromodichloromethane	9.50	83	5396	1.258	ug/L	97
42) cis-1,3-Dichloropropene	9.93	75	6625	1.250	ug/L	97
43) 4-Methyl-2-pentanone	10.07	43	8584	3.053	ug/L	94
44) Toluene	10.24	91	18571	1.293	ug/L	93
45) trans-1,3-Dichloropropene	10.47	75	8093	1.658	ug/L	100
46) 1,1,2-Trichloroethane	10.64	97	3615	1.347	ug/L	92
47) Tetrachloroethene	10.72	164	3906	1.302	ug/L	90
49) 2-Hexanone	10.83	43	5112	2.302	ug/L	98
50) Dibromochloromethane	10.99	129	3983	1.230	ug/L	80
51) 1,2-Dibromoethane	11.09	107	3525	1.317	ug/L #	94
52) Chlorobenzene	11.51	112	12011	1.309	ug/L	98
53) Ethylbenzene	11.59	91	16661	1.129	ug/L	97
54) m,p-Xylene	11.70	106	6801	1.198	ug/L	94
55) o-xylene	12.03	106	5357	1.130	ug/L	93
56) Styrene	12.04	104	9937	1.070	ug/L	94
57) Isopropylbenzene	12.33	105	11397	1.062	ug/L	93
58) 1,1,1,2,2-Tetrachloroethane	12.58	83	4002	1.264	ug/L #	96
59) 1,2,3-Trichloropropane	12.63	75	2671	1.083	ug/L	97
62) Bromoform	12.20	173	2725	1.335	ug/L	93
63) 1,3-Dichlorobenzene	13.36	146	7772	1.224	ug/L	97
64) 1,4-Dichlorobenzene	13.44	146	8446	1.292	ug/L	92
65) 1,2-Dichlorobenzene	13.74	146	6713	1.284	ug/L #	87
67) 1,3,5-Trichlorobenzene	14.50	180	4377	1.300	ug/L	96
68) 1,2,4-trichlorobenzene	15.00	180	3467	1.195	ug/L	92
69) Naphthalene	15.23	128	5409	1.057	ug/L	98
70) 1,2,3-Trichlorobenzene	15.42	180	2748	1.253	ug/L	92

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



#2

Dichlorodifluoromethane

Concen: 0.850 ug/L

RT: 1.93 min Scan# 31

Delta R.T. 0.01 min

Lab File: VY003551.D

Acq: 19 Nov 2020 16:33

Instrument :

MSVOA_Y

ClientSampleId :

MDL04

Tot Ion: 85 Resp: 1081

Ion Ratio Lower Upper

85 100

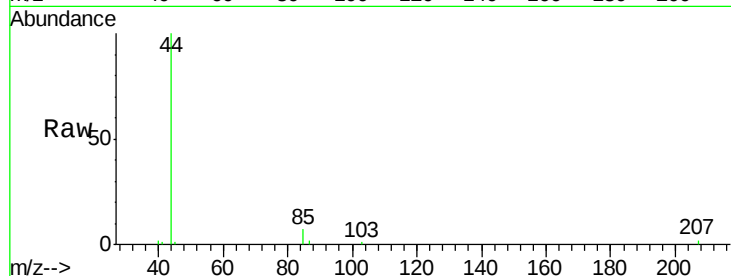
87 19.1 21.3 39.5#

Manual Integrations

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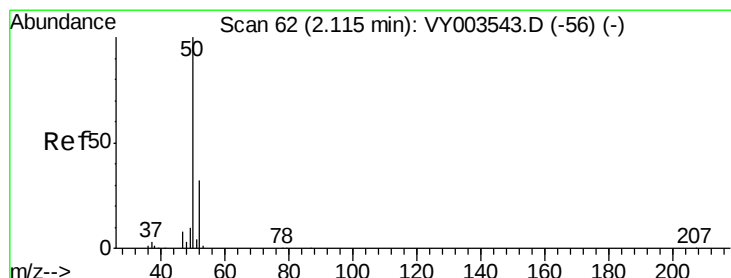
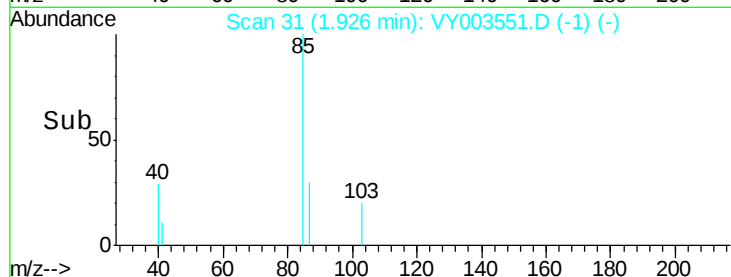
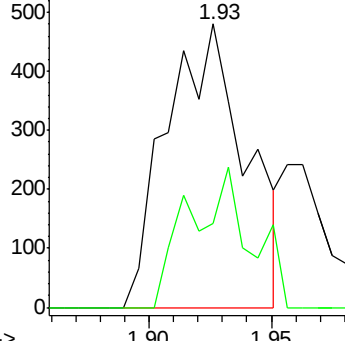
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Abundance Ion 85.00 (84.70 to 85.70): VY0

Ion 87.00 (86.70 to 87.70): VY0



#3

Chloromethane

Concen: 1.336 ug/L

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY003551.D

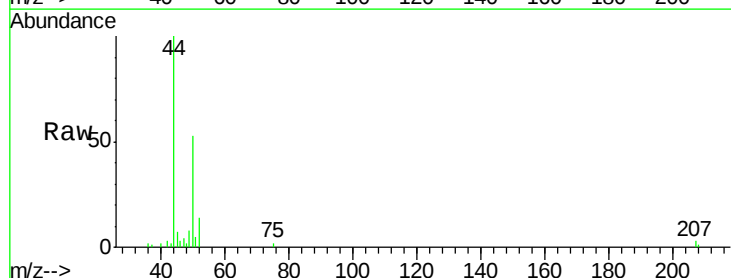
Acq: 19 Nov 2020 16:33

Tgt Ion: 50 Resp: 3576

Ion Ratio Lower Upper

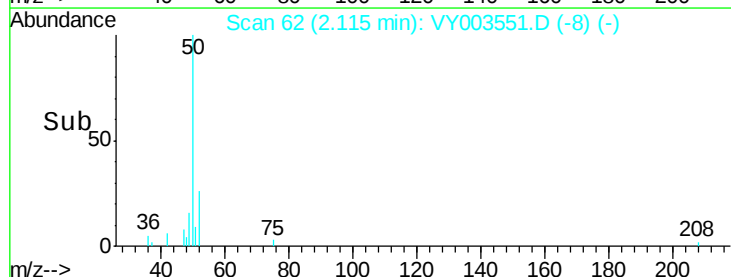
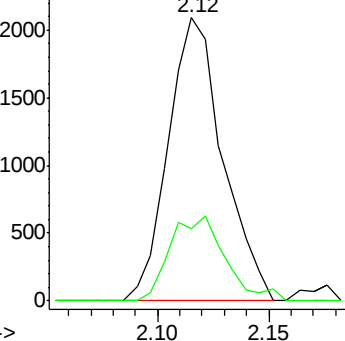
50 100

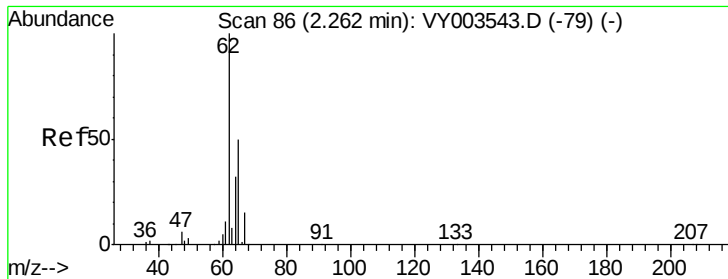
52 25.6 22.4 41.6



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0





#5

Vinyl chloride

Concen: 1.342 ug/L

RT: 2.26 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY003551.D

Acq: 19 Nov 2020 16:33

Instrument :

MSVOA_Y

ClientSampleId :

MDL04

Tot Ion: 62 Resp: 4290

Ion Ratio Lower Upper

62 100

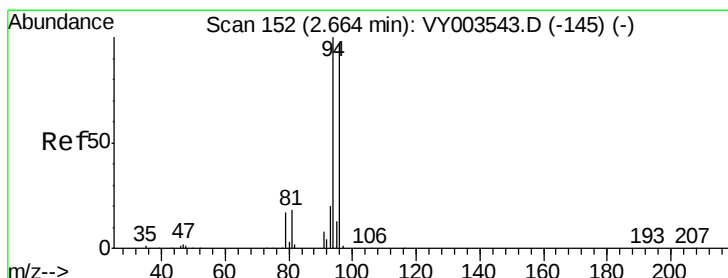
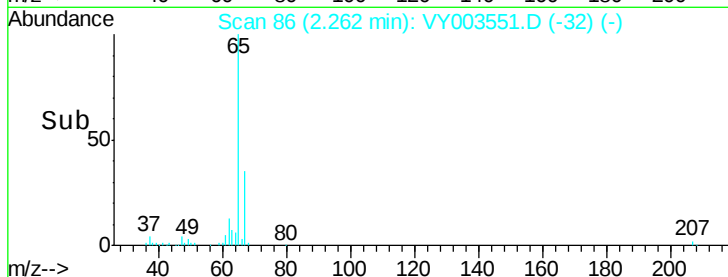
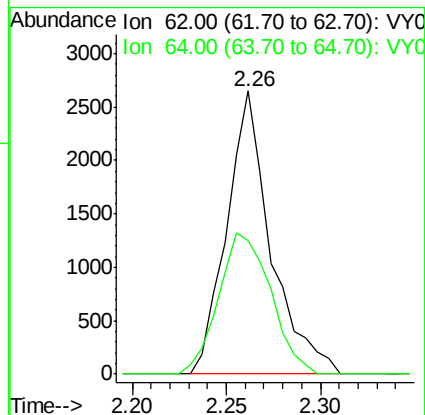
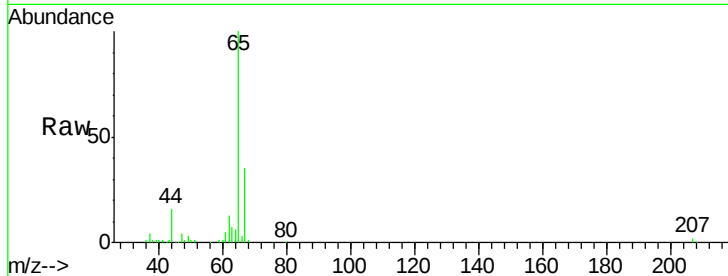
64 47.3 22.7 42.1#

Manual Integrations

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#6

Bromomethane

Concen: 1.205 ug/L

RT: 2.66 min Scan# 152

Delta R.T. 0.00 min

Lab File: VY003551.D

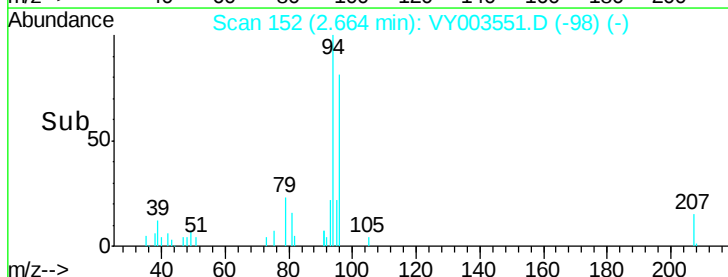
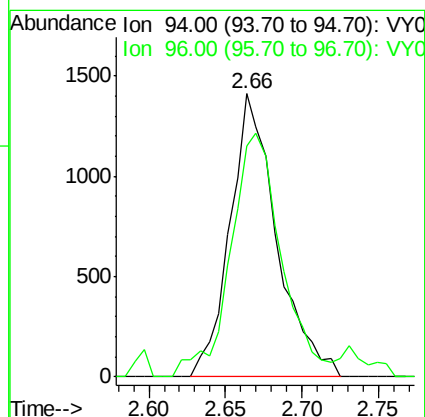
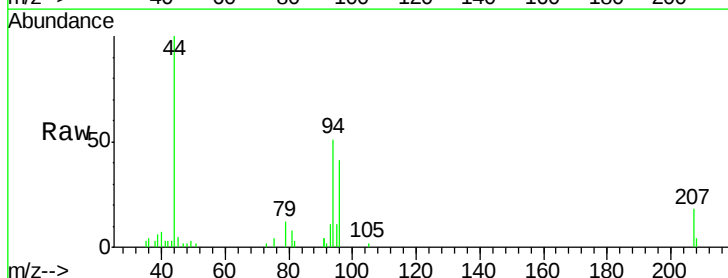
Acq: 19 Nov 2020 16:33

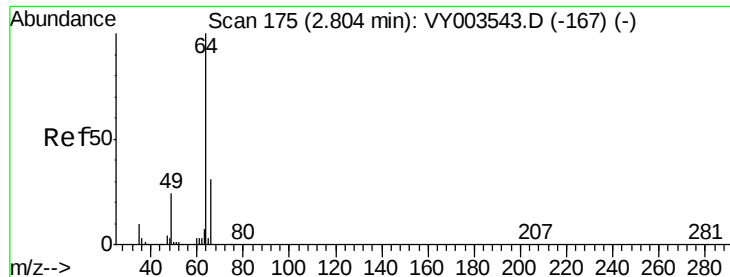
Tgt Ion: 94 Resp: 2990

Ion Ratio Lower Upper

94 100

96 88.6 9.4 178.6





#8

Chloroethane

Concen: 1.167 ug/L

RT: 2.80 min Scan# 175

Delta R.T. 0.00 min

Lab File: VY003551.D

Acq: 19 Nov 2020 16:33

Instrument :

MSVOA_Y

ClientSampleId :

MDL04

Tot Ion: 64 Resp: 2533

Ion Ratio Lower Upper

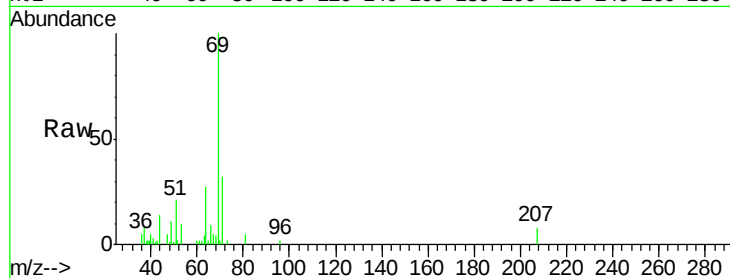
64 100

66 33.8 21.8 40.6

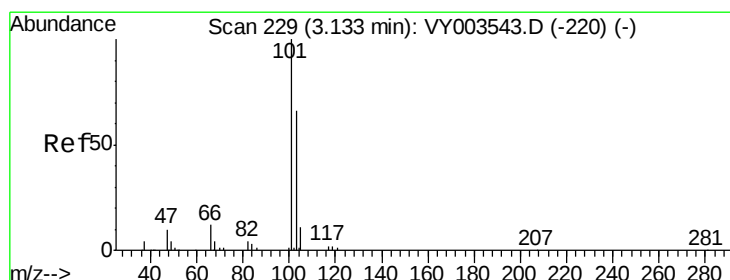
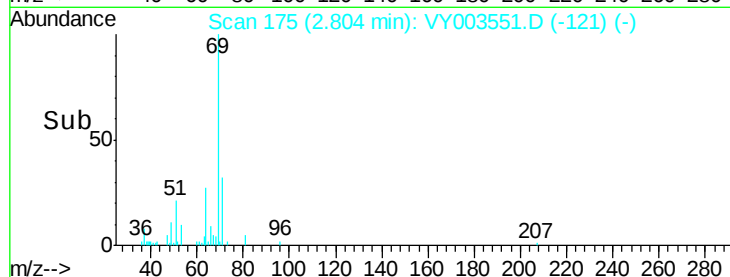
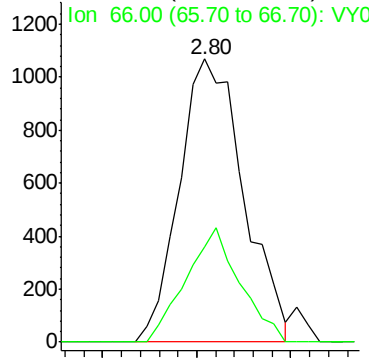
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Abundance Ion 64.00 (63.70 to 64.70): VY003543.D (-167) (-)



#9

Trichlorofluoromethane

Concen: 1.120 ug/L

RT: 3.13 min Scan# 229

Delta R.T. 0.00 min

Lab File: VY003551.D

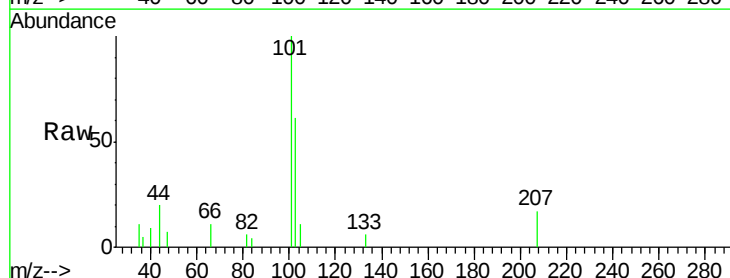
Acq: 19 Nov 2020 16:33

Tgt Ion: 101 Resp: 3432

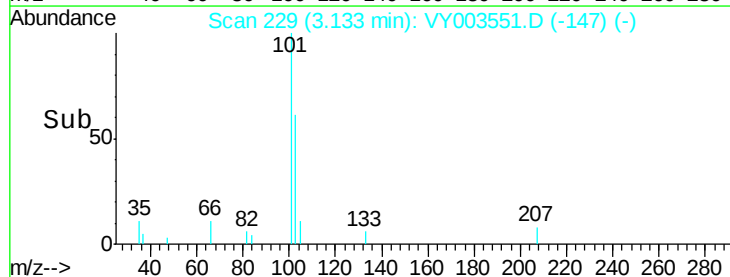
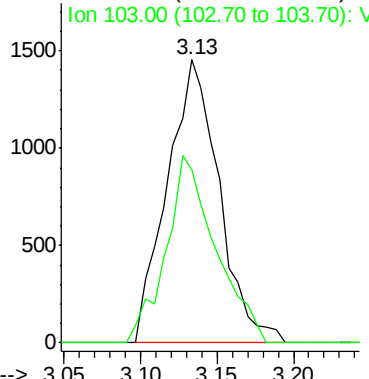
Ion Ratio Lower Upper

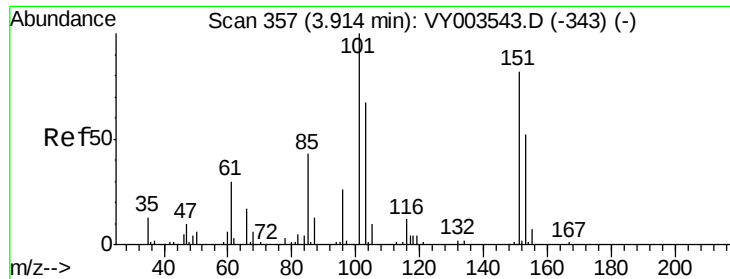
101 100

103 63.1 45.6 84.6



Abundance Ion 101.00 (100.70 to 101.70): VY003543.D (-220) (-)





#11

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

Concen: 1.585 ug/L m

RT: 3.91 min Scan# 356

Delta R.T. -0.01 min

Lab File: VY003551.D

Acq: 19 Nov 2020 16:33

Instrument :

MSVOA_Y

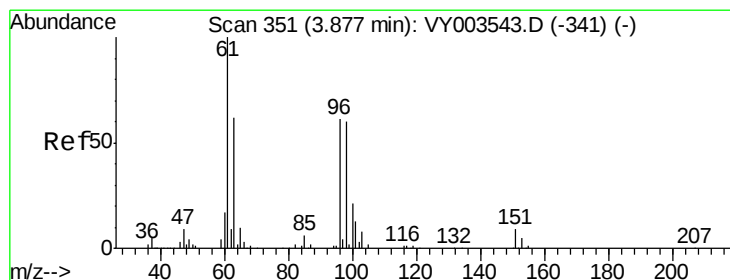
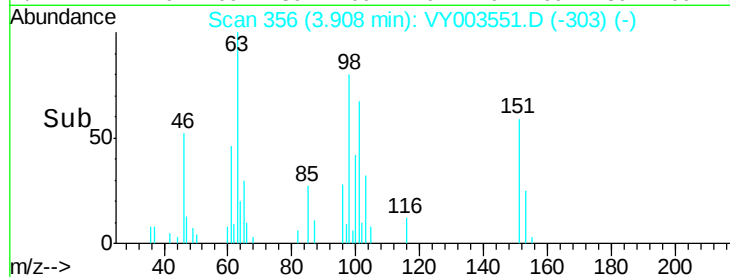
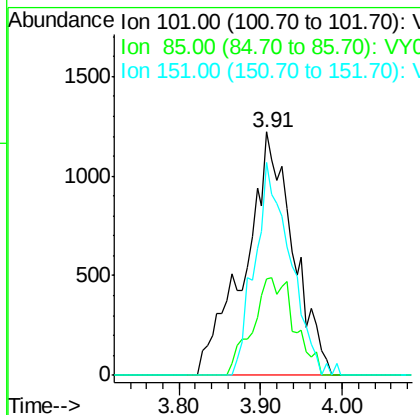
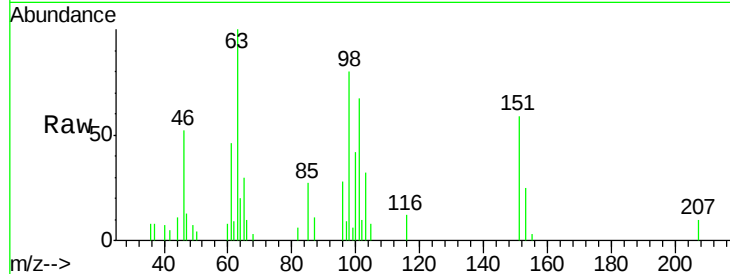
ClientSampled :

MDL04

Tot Ion:	101	Resp:	5037
Ion Ratio	Lower	Upper	
101	100		
85	20.7	35.0	52.4#
151	63.3	65.4	98.0#

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#12

1,1-Dichloroethene

Concen: 1.488 ug/L

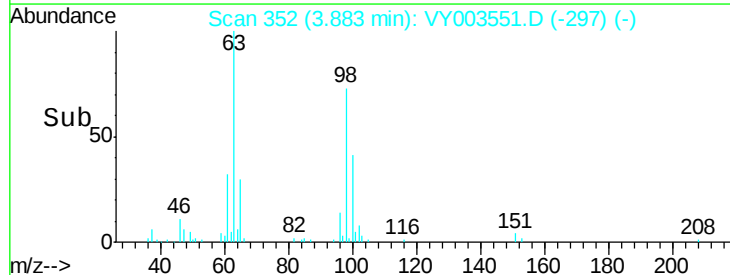
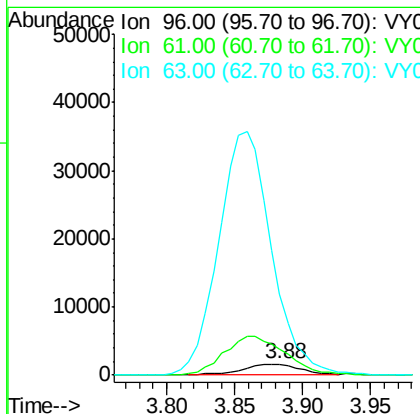
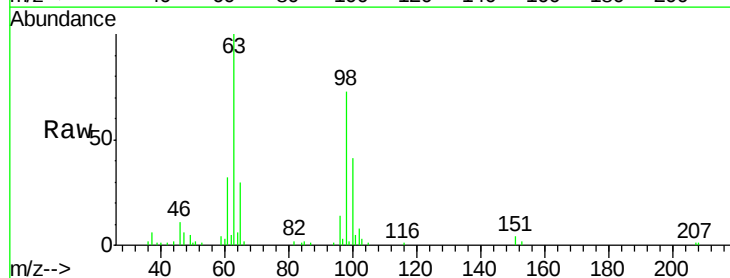
RT: 3.88 min Scan# 352

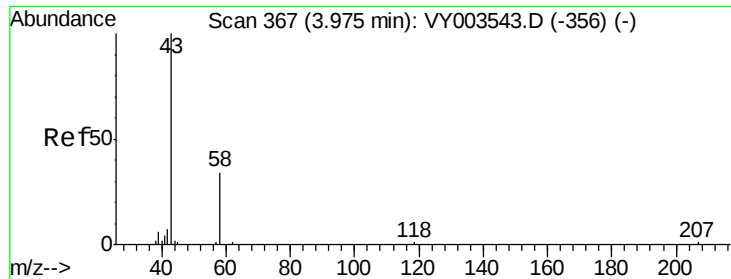
Delta R.T. 0.01 min

Lab File: VY003551.D

Acq: 19 Nov 2020 16:33

Tgt Ion:	96	Resp:	4947
Ion Ratio	Lower	Upper	
96	100		
61	234.8	116.6	216.6#
63	730.2	77.5	143.9#





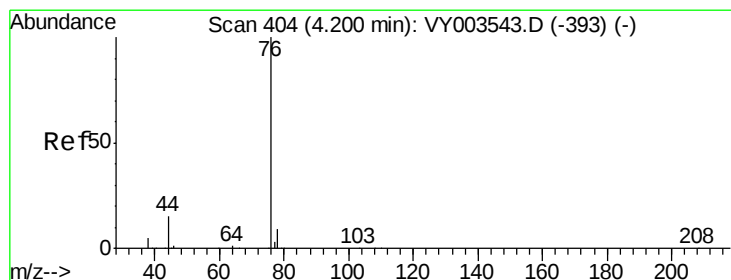
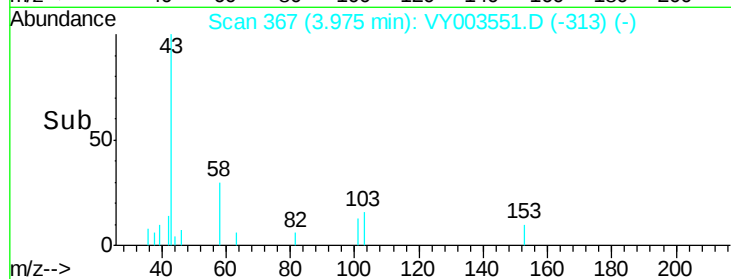
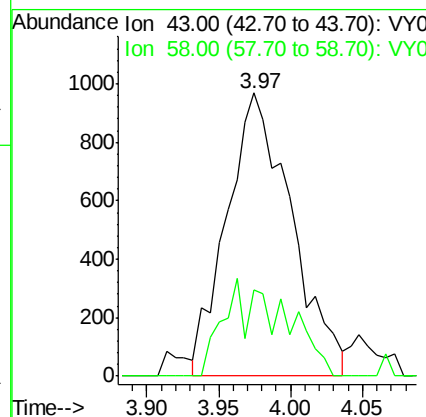
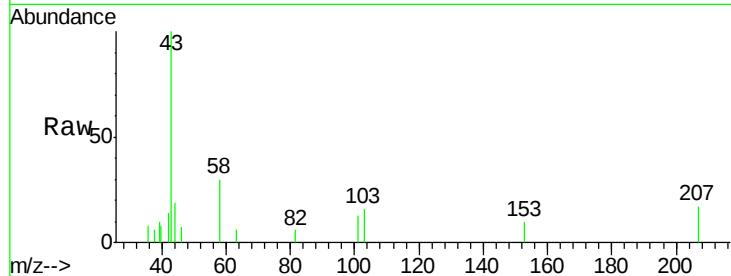
#13
Acetone
Concen: 3.164 ug/L
RT: 3.97 min Scan# 367
Delta R.T. 0.00 min
Lab File: VY003551.D
Acq: 19 Nov 2020 16:33

Instrument :
MSVOA_Y
ClientSampled :
MDL04

Tot Ion	43	58	Ratio	100	8.7	Resp:	3030	Lower	Upper
43	100								
58		8.7				0.0	66.2		

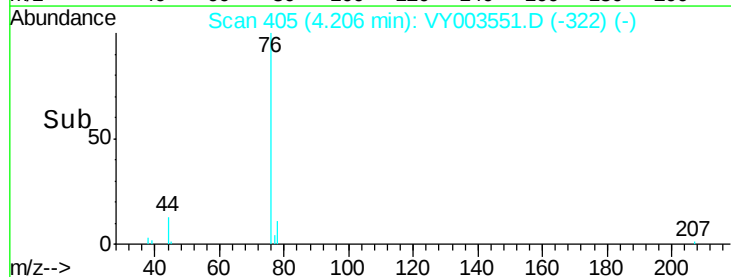
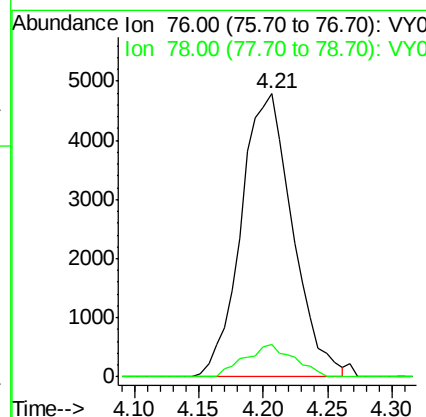
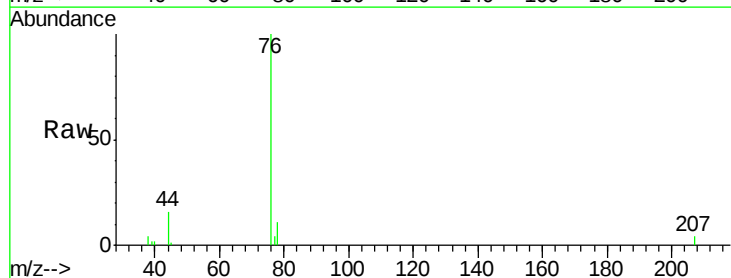
Manual Integrations
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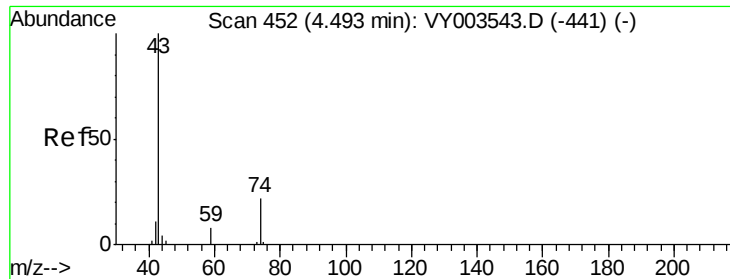
MMDadoda
11/20/2020 10:22:52 AM



#14
Carbon disulfide
Concen: 1.205 ug/L
RT: 4.21 min Scan# 405
Delta R.T. 0.01 min
Lab File: VY003551.D
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Tgt Ion	76	78	Ratio	100	11.5	Resp:	13271	Lower	Upper
76	100								
78		11.5				7.4	11.0#		





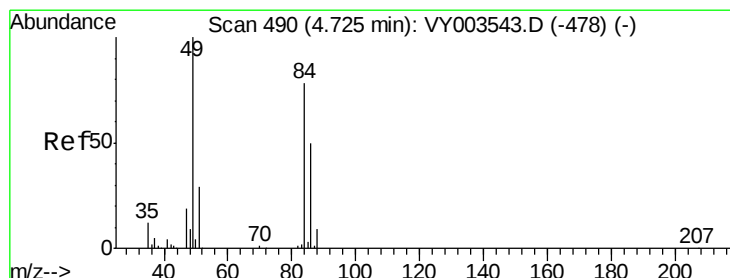
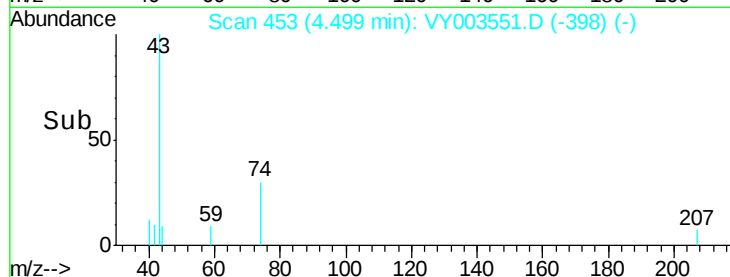
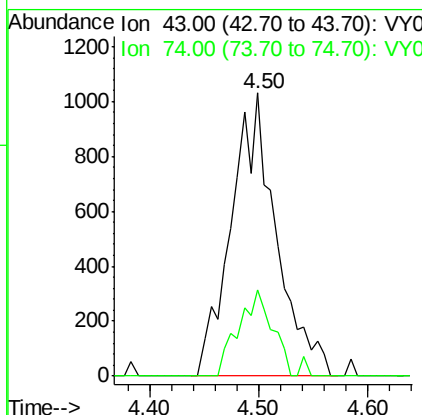
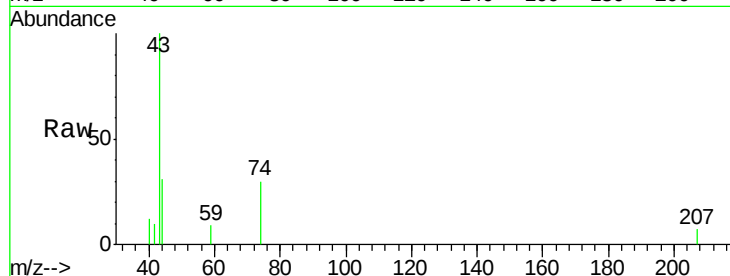
#15
Methyl Acetate
Concen: 1.218 ug/L m
RT: 4.50 min Scan# 453
Delta R.T. 0.01 min
Lab File: VY003551.D
Acq: 19 Nov 2020 16:33

Instrument :
MSVOA_Y
ClientSampleId :
MDL04

Tot Ion: 43 Resp: 2959
Ion Ratio Lower Upper
43 100
74 22.7 18.2 27.2

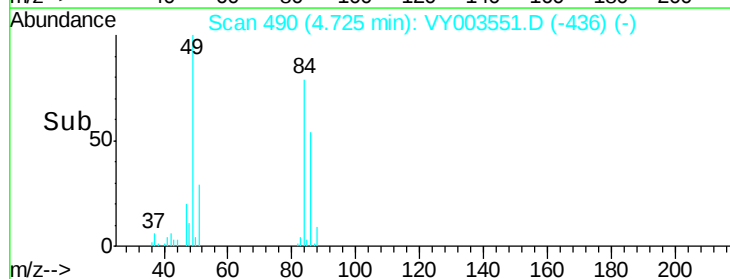
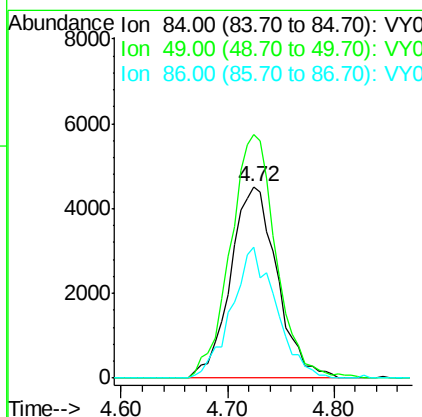
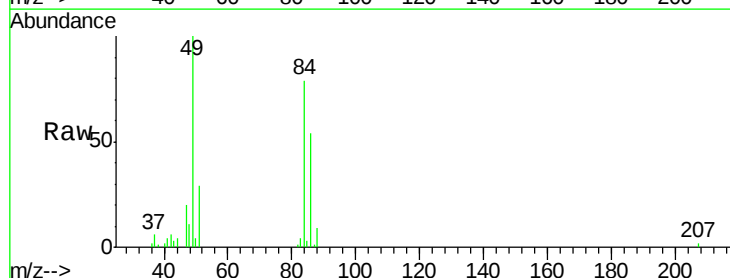
Manual Integrations
APPROVED

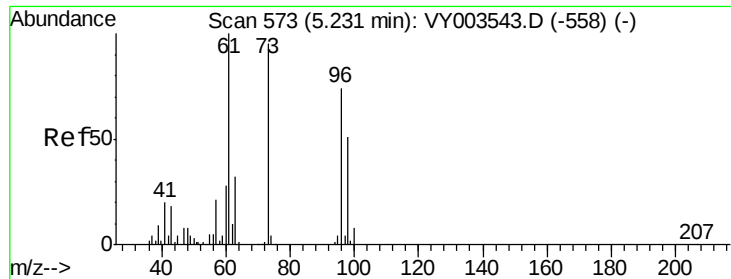
MMDadoda
11/20/2020 10:22:52 AM



#16
Methylene chloride
Concen: 3.363 ug/L
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY003551.D
Acq: 19 Nov 2020 16:33

Tgt Ion: 84 Resp: 13836
Ion Ratio Lower Upper
84 100
49 127.3 90.3 167.7
86 68.7 44.7 83.1





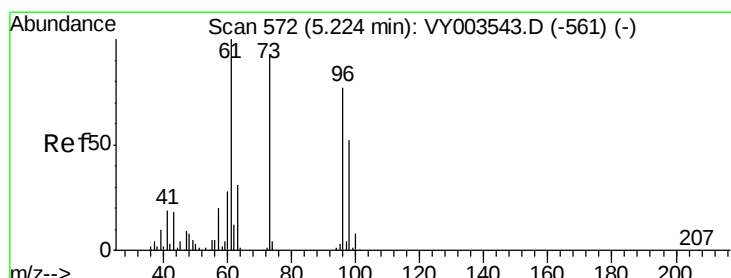
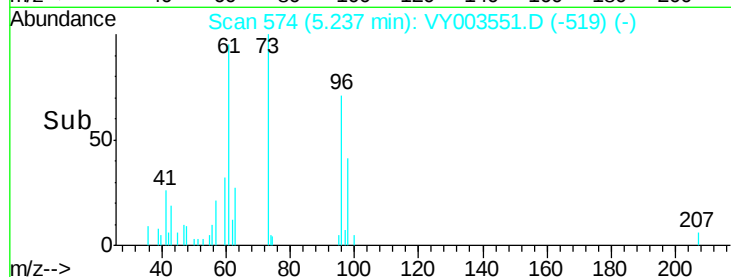
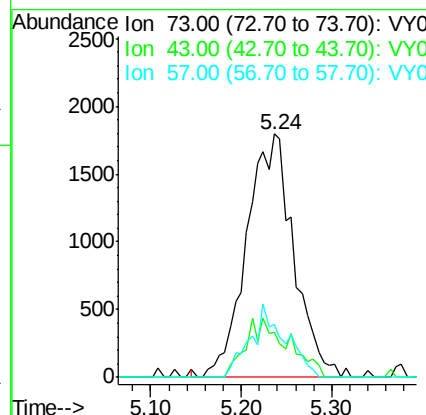
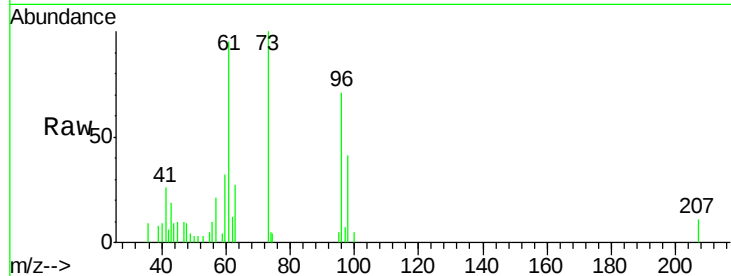
#17
Methvl tert-butvl Ether
Concen: 1.243 ug/L m
RT: 5.24 min Scan# 574
Delta R.T. 0.01 min
Lab File: VY003551.D
Acq: 19 Nov 2020 16:33

Instrument :
MSVOA_Y
ClientSampleId :
MDL04

Tot Ion	Ratio	Lower	Upper
73	100		
43	8.9	15.9	23.9#
57	10.5	10.5	15.7#

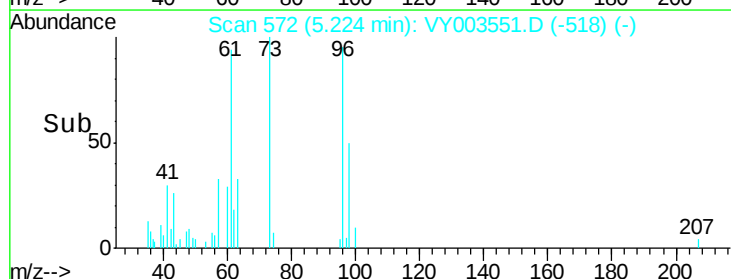
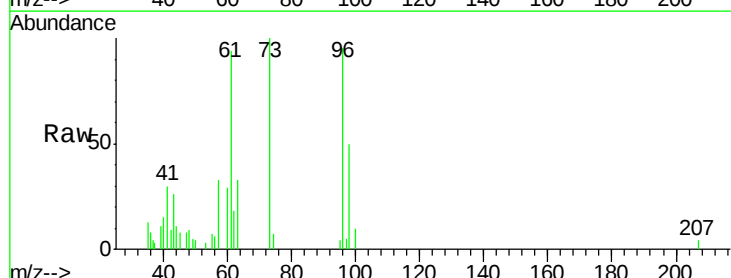
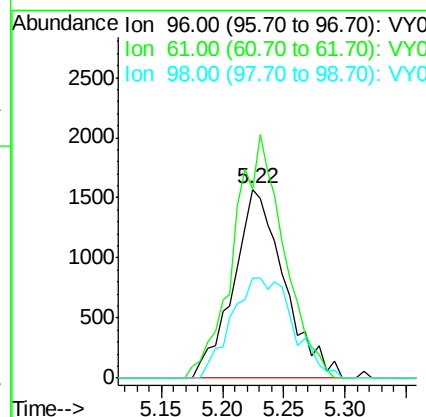
Manual Integrations
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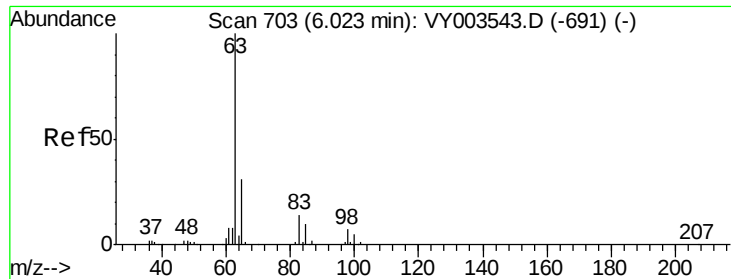
MMDadoda
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#18
trans-1,2-Dichloroethene
Concen: 1.294 ug/L
RT: 5.22 min Scan# 572
Delta R.T. 0.00 min
Lab File: VY003551.D
Acq: 19 Nov 2020 16:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	99.4	90.8	168.6
98	52.9	46.8	87.0





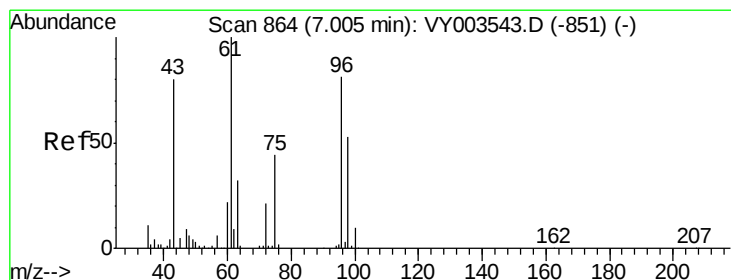
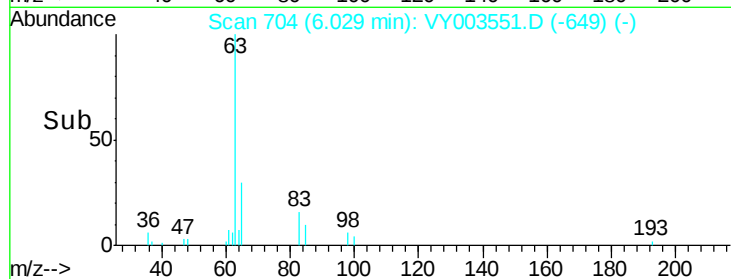
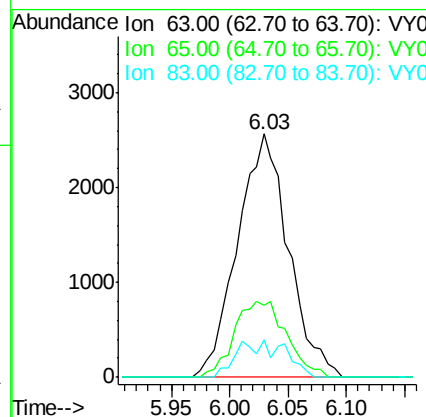
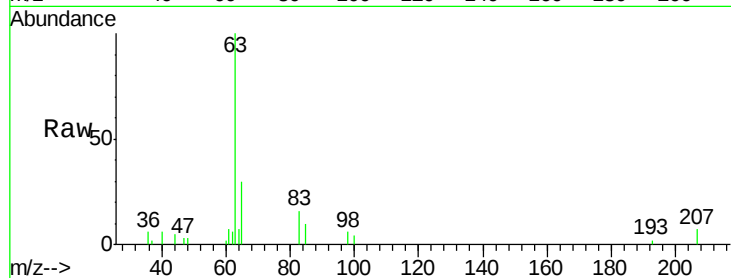
#19
 1,1-Dichloroethane
 Concen: 1.315 ug/L
 RT: 6.03 min Scan# 704
 Delta R.T. 0.01 min
 Lab File: VY003551.D
 Acq: 19 Nov 2020 16:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL04

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.8	22.0	40.8
83	15.7	9.9	18.5

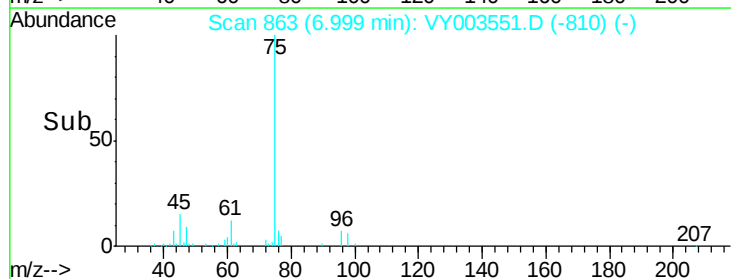
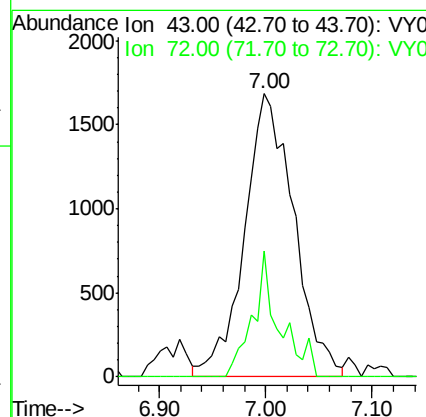
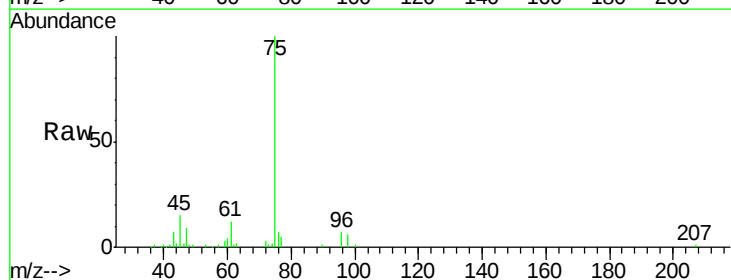
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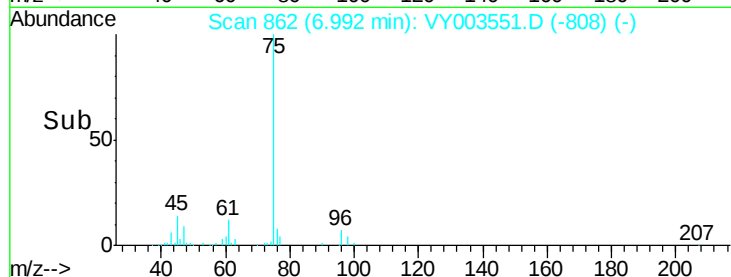
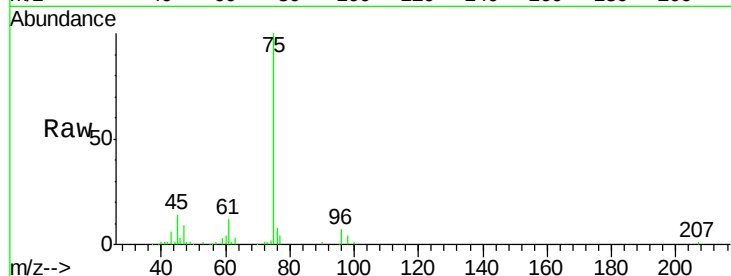
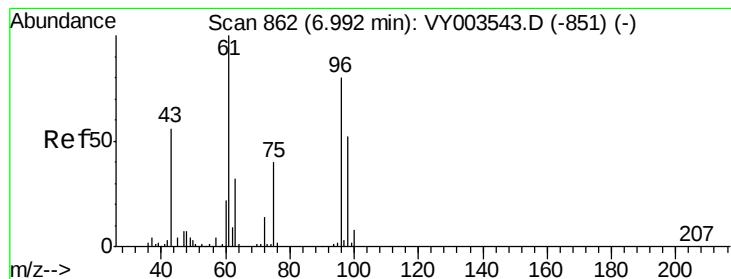
MMDadoda
 11/20/2020 10:22:52 AM



#21
 2-Butanone
 Concen: 3.387 ug/L
 RT: 7.00 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VY003551.D
 Acq: 19 Nov 2020 16:33

Tgt Ion	Ratio	Lower	Upper
43	100		
72	18.7	13.2	39.6





#22

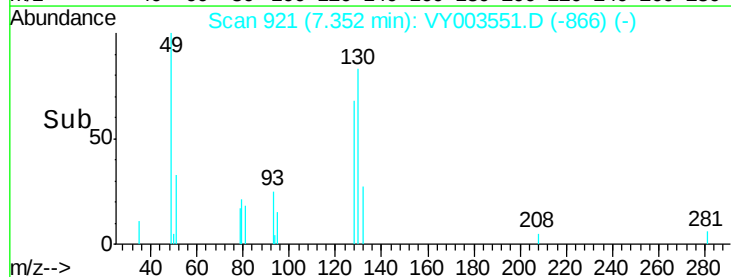
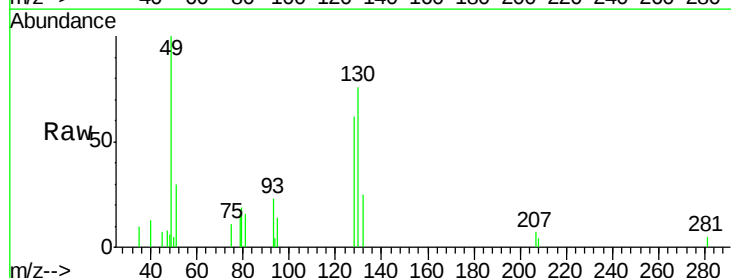
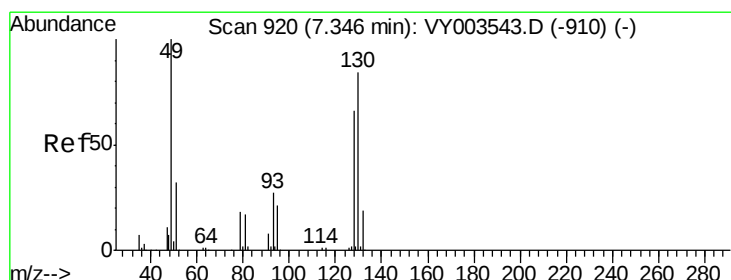
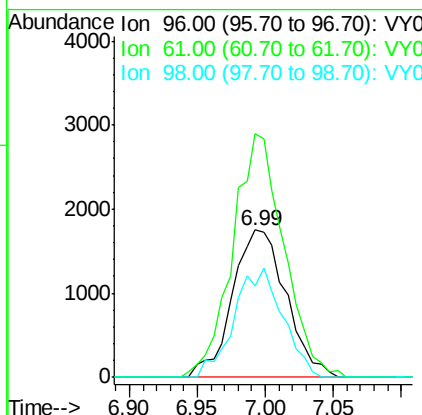
cis-1,2-Dichloroethene
Concen: 1.348 ug/L
RT: 6.99 min Scan# 862
Delta R.T. 0.00 min
Lab File: VY003551.D
Acq: 19 Nov 2020 16:33

Tot Ion	Ratio	Lower	Upper
96	100		
61	165.5	88.1	163.5#
98	62.1	45.6	84.6

Instrument :
MSVOA_Y
ClientSampleId :
MDL04

Manual Integrations
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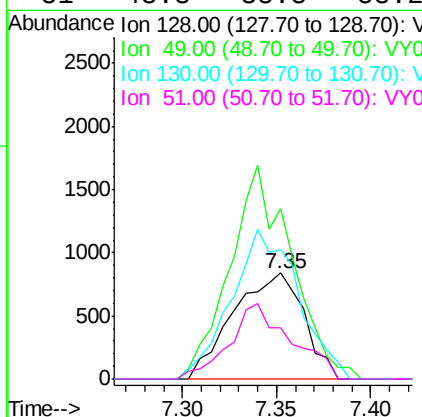
MMDadoda
11/20/2020 10:22:52 AM

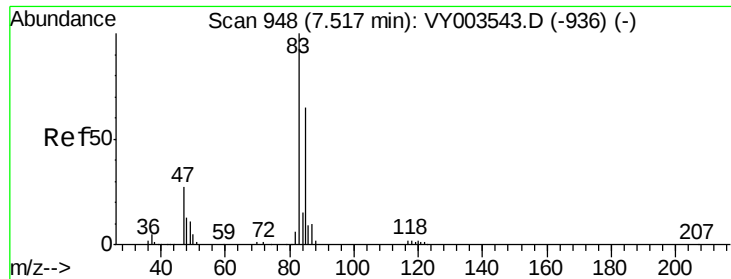


#23

Bromochloromethane
Concen: 1.247 ug/L
RT: 7.35 min Scan# 921
Delta R.T. 0.01 min
Lab File: VY003551.D
Acq: 19 Nov 2020 16:33

Tgt Ion	Ratio	Lower	Upper
128	100		
49	160.9	107.3	199.3
130	122.6	89.3	165.9
51	48.3	38.8	58.2





#25

Chloroform

Concen: 1.402 ug/L

RT: 7.52 min Scan# 948

Delta R.T. 0.00 min

Lab File: VY003551.D

Acq: 19 Nov 2020 16:33

Instrument :

MSVOA_Y

ClientSampleId :

MDL04

Tot Ion: 83 Resp: 8248

Ion Ratio Lower Upper

83 100

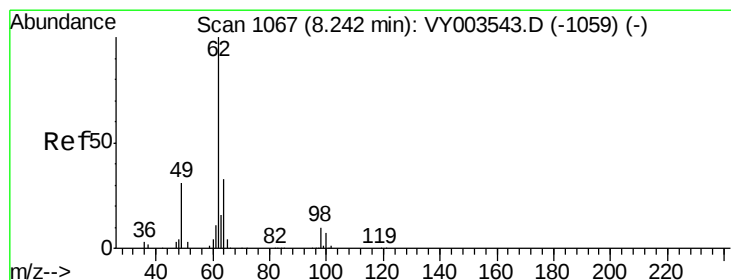
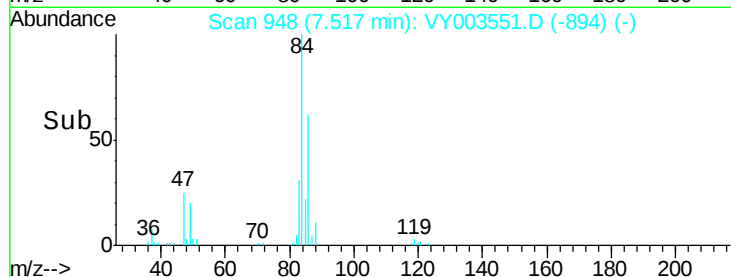
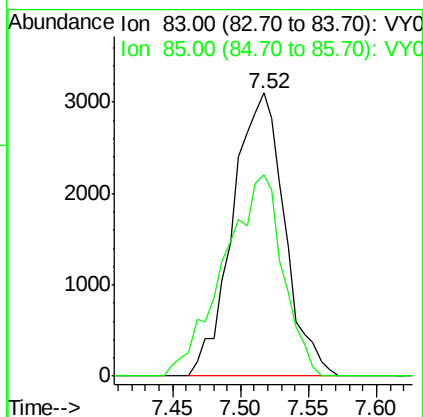
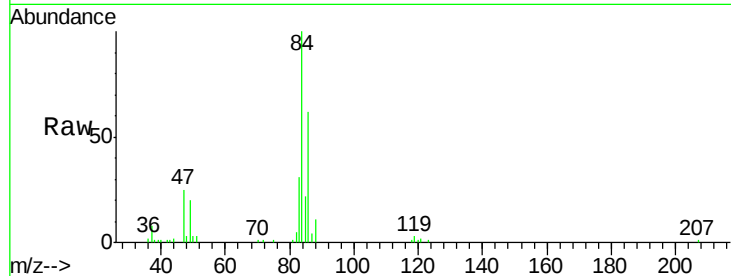
85 81.1 46.2 85.8

Manual Integrations

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#27

1,2-Dichloroethane

Concen: 1.307 ug/L

RT: 8.24 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VY003551.D

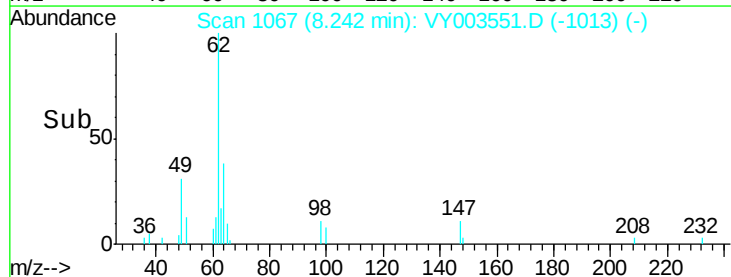
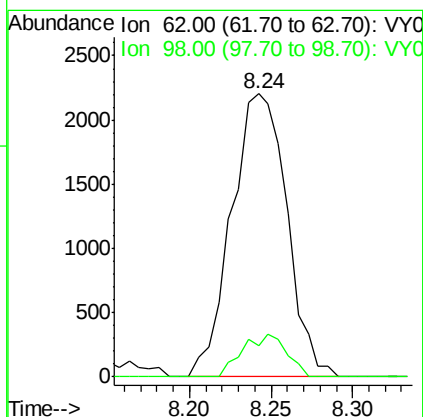
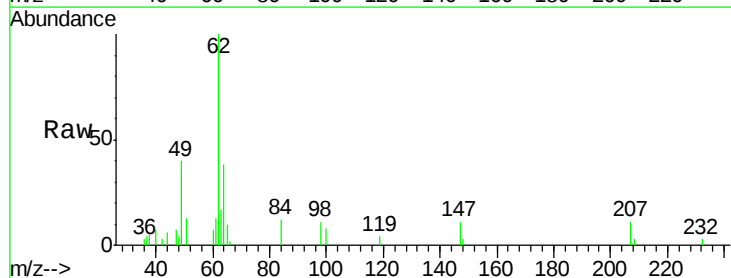
Acq: 19 Nov 2020 16:33

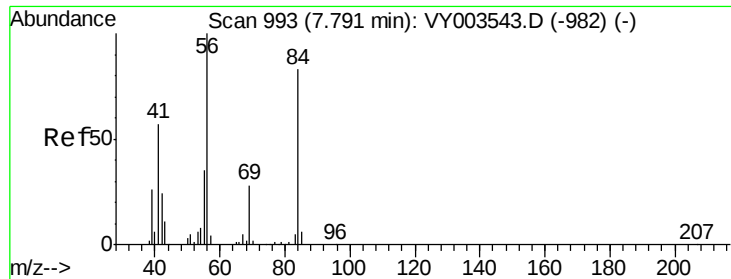
Tgt Ion: 62 Resp: 5193

Ion Ratio Lower Upper

62 100

98 11.1 7.7 11.5





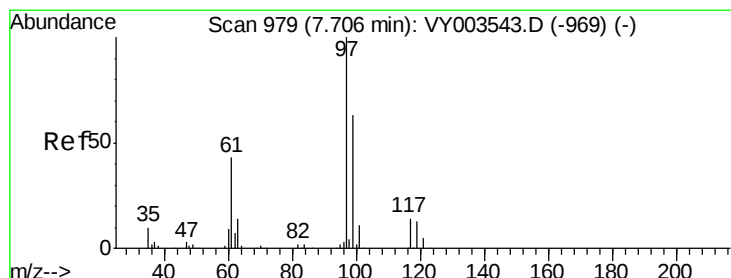
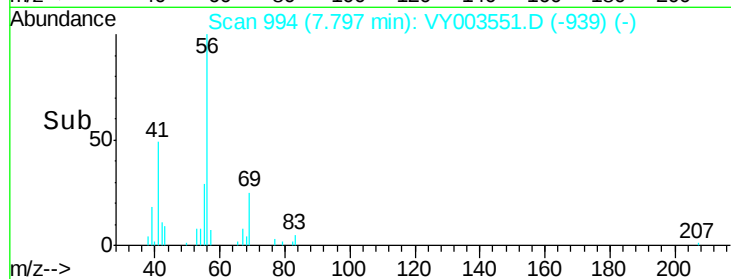
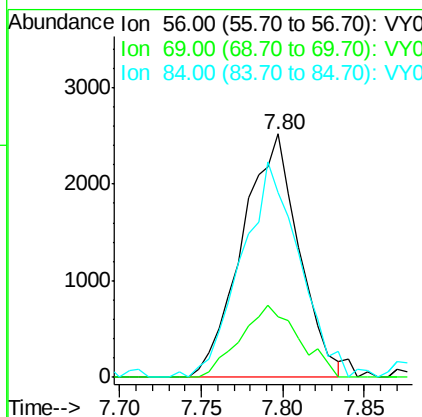
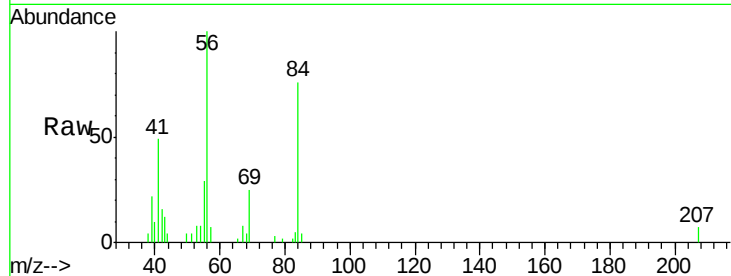
#30
Cyclohexane
Concen: 1.154 ug/L
RT: 7.80 min Scan# 994
Delta R.T. 0.01 min
Lab File: VY003551.D
Acq: 19 Nov 2020 16:33

Instrument :
MSVOA_Y
ClientSampleId :
MDL04

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.7	23.3	34.9
84	89.8	69.9	104.9

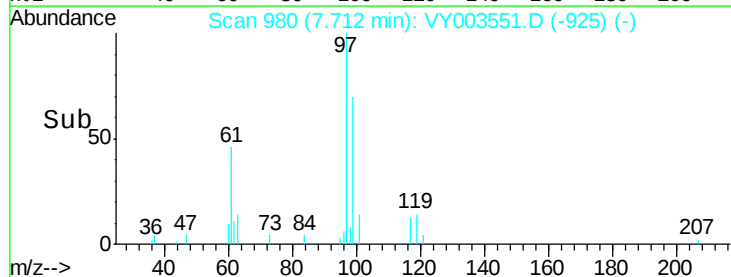
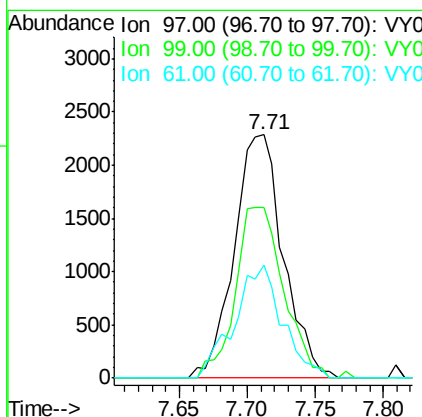
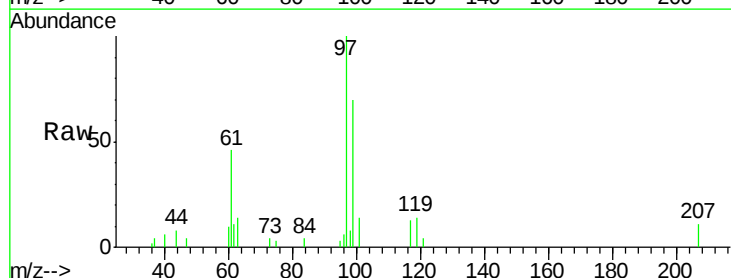
Manual Integrations
APPROVED

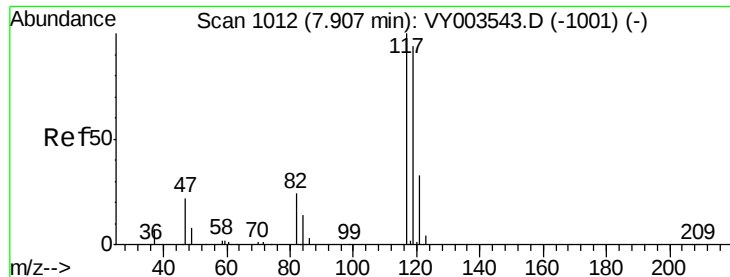
MMDadoda
11/20/2020 10:22:52 AM



#31
1,1,1-Trichloroethane
Concen: 1.228 ug/L
RT: 7.71 min Scan# 980
Delta R.T. 0.01 min
Lab File: VY003551.D
Acq: 19 Nov 2020 16:33

Tgt Ion	Ratio	Lower	Upper
97	100		
99	69.1	52.1	78.1
61	45.3	34.9	52.3





#32

Carbon tetrachloride

Concen: 1.197 ug/L

RT: 7.91 min Scan# 1013

Delta R.T. 0.01 min

Lab File: VY003551.D

Acq: 19 Nov 2020 16:33

Instrument :

MSVOA_Y

ClientSampleId :

MDL04

Tot Ion:117 Resp: 5347

Ion Ratio Lower Upper

117 100

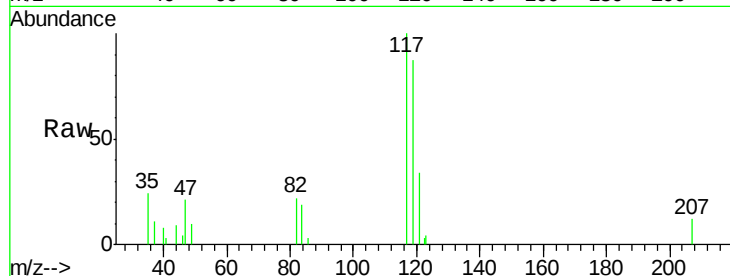
119 100.1 76.2 114.4

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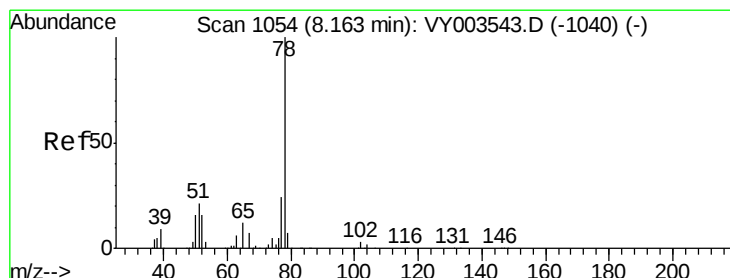
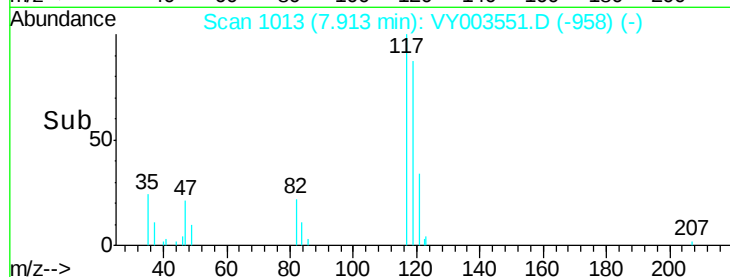
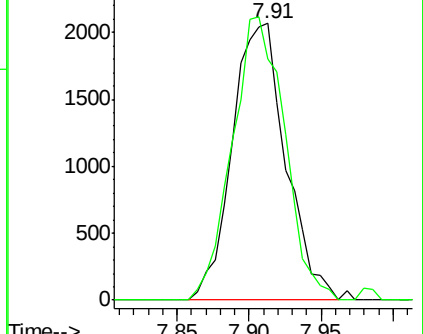
MMDadoda

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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 1.298 ug/L

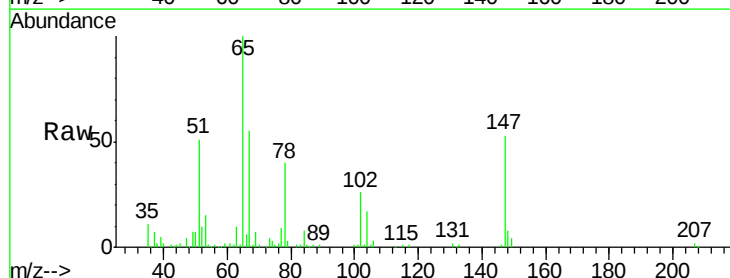
RT: 8.16 min Scan# 1054

Delta R.T. 0.00 min

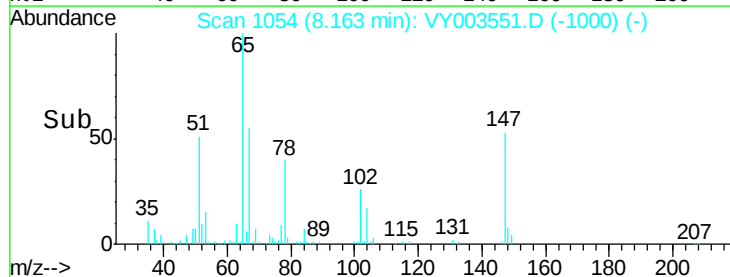
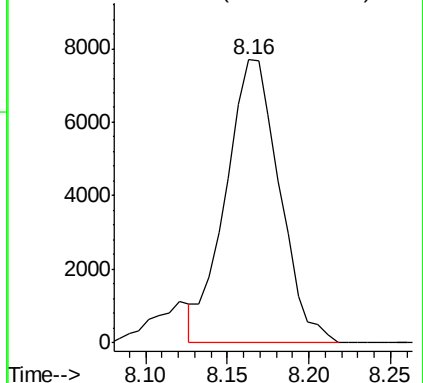
Lab File: VY003551.D

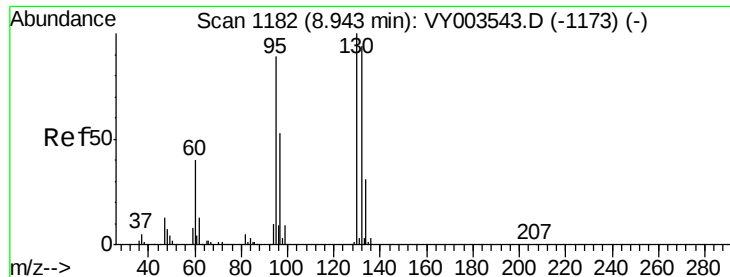
Acq: 19 Nov 2020 16:33

Tgt Ion: 78 Resp: 17682



Abundance Ion 78.00 (77.70 to 78.70): VY0





#35

Trichloroethene

Concen: 1.317 ug/L

RT: 8.94 min Scan# 1181

Delta R.T. -0.01 min

Lab File: VY003551.D

Acq: 19 Nov 2020 16:33

Instrument :

MSVOA_Y

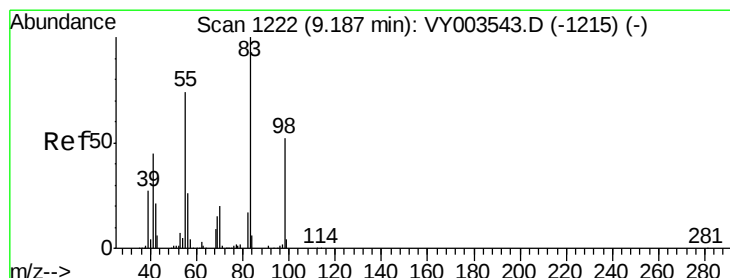
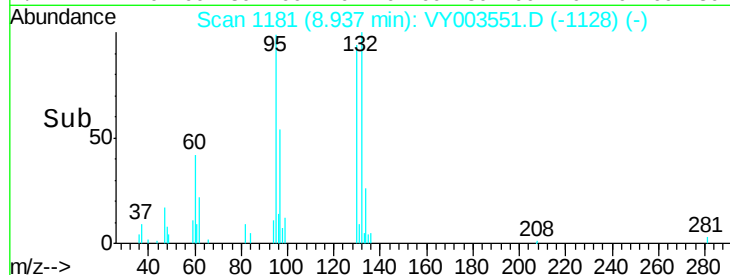
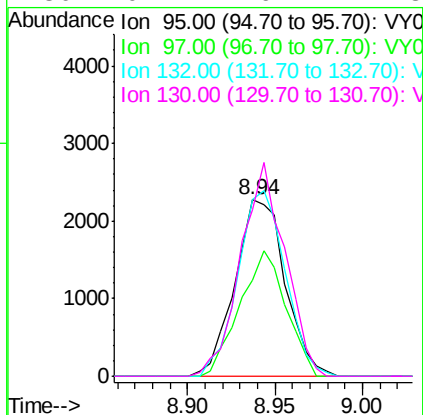
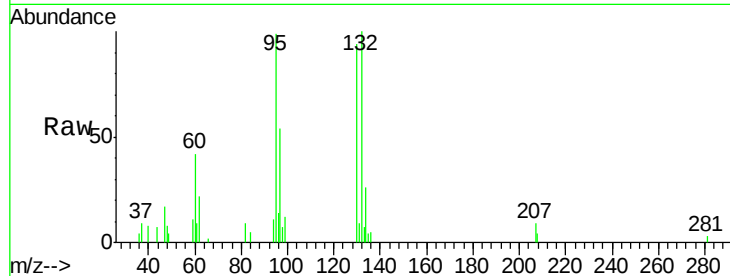
ClientSampleId :

MDL04

Tot Ion	Ion	Ratio	Lower	Upper
95	100			
97	65.1	44.5	82.7	
132	99.5	73.1	135.7	
130	107.2	76.1	141.3	

Manual Integrations
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#36

Methylcyclohexane

Concen: 1.208 ug/L

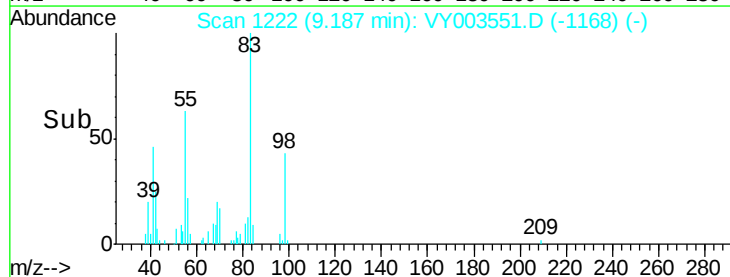
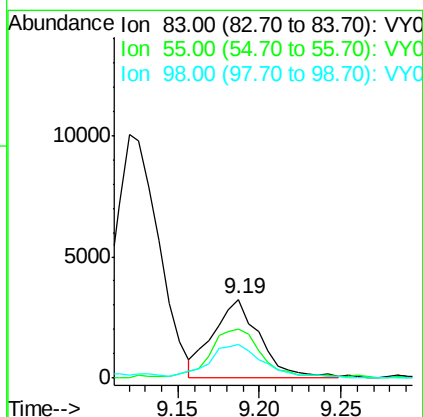
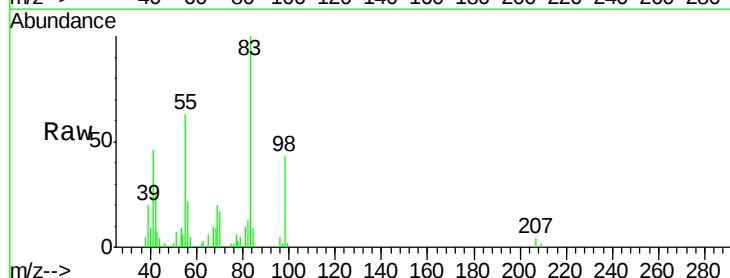
RT: 9.19 min Scan# 1222

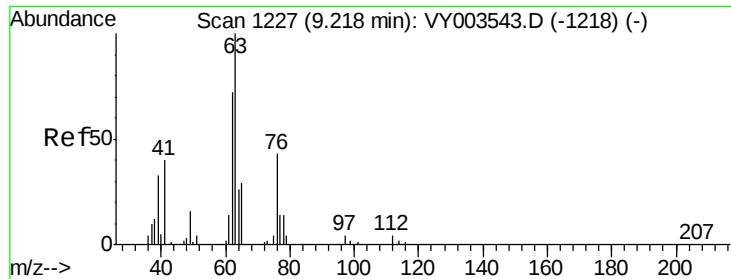
Delta R.T. 0.00 min

Lab File: VY003551.D

Acq: 19 Nov 2020 16:33

Tgt Ion	Ion	Ratio	Lower	Upper
83	100			
55	66.9	60.8	91.2	
98	49.4	40.6	61.0	





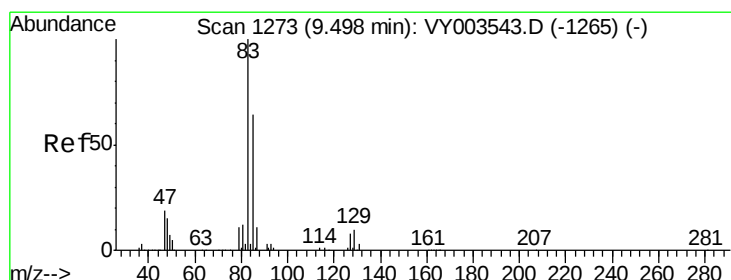
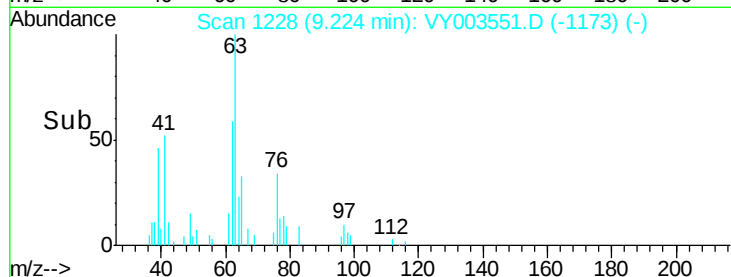
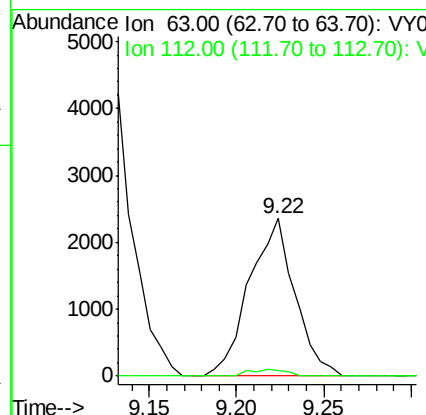
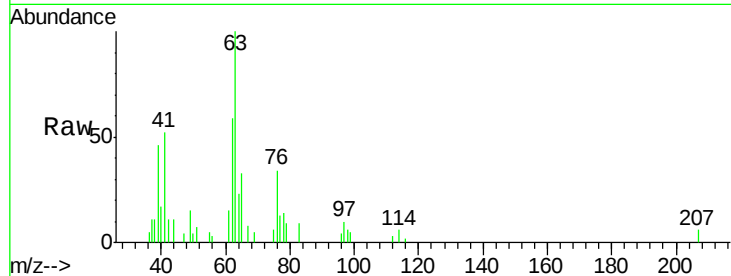
#40
 1,2-Dichloropropane
 Concen: 1.275 ug/L
 RT: 9.22 min Scan# 1228
 Delta R.T. 0.01 min
 Lab File: VY003551.D
 Acq: 19 Nov 2020 16:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL04

Tot Ion: 63 Resp: 4285
 Ion Ratio Lower Upper
 63 100
 112 3.5 3.5 5.3#

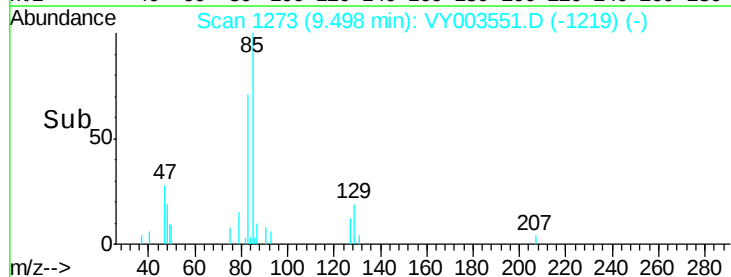
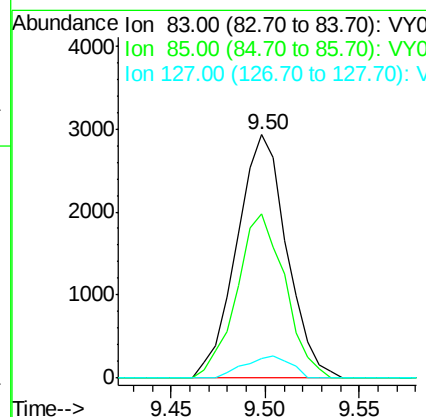
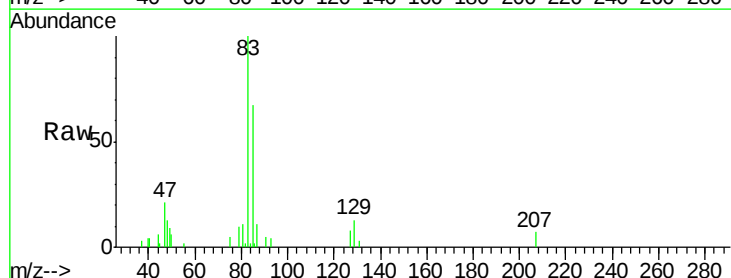
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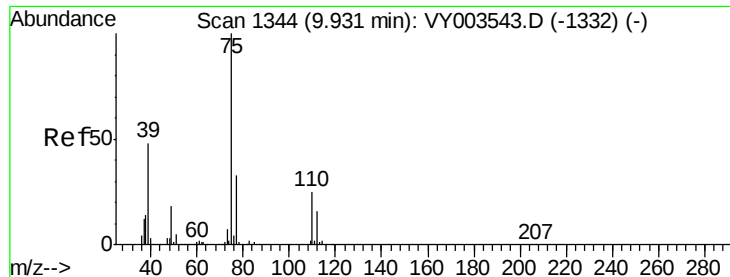
MMDadoda
 11/20/2020 10:22:52 AM



#41
 Bromodichloromethane
 Concen: 1.258 ug/L
 RT: 9.50 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VY003551.D
 Acq: 19 Nov 2020 16:33

Tgt Ion: 83 Resp: 5396
 Ion Ratio Lower Upper
 83 100
 85 67.2 45.1 83.7
 127 8.3 6.8 10.2





#42

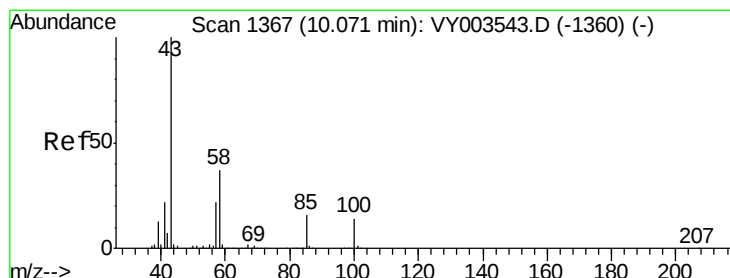
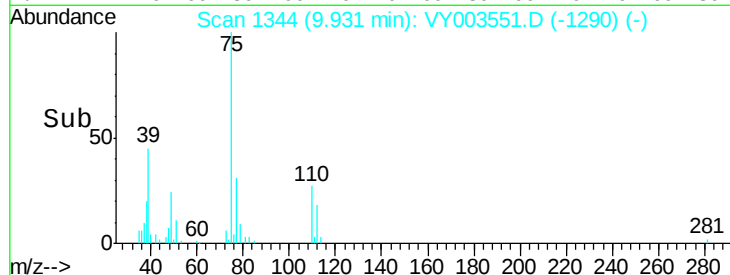
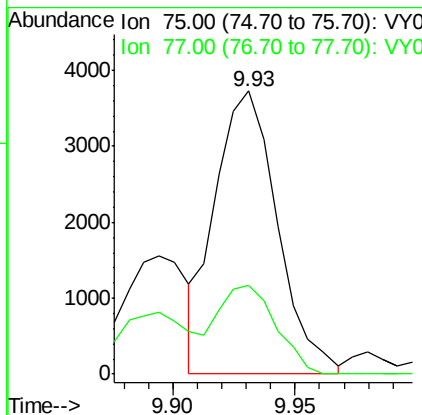
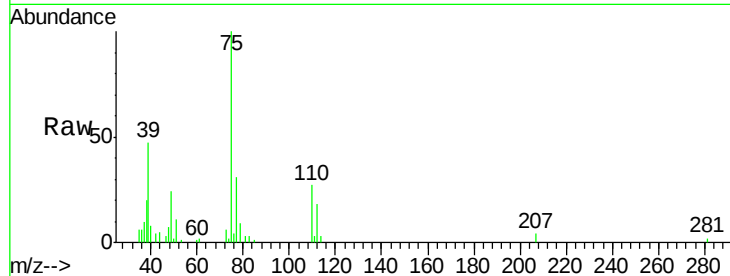
cis-1,3-Dichloropropene
Concen: 1.250 ug/L
RT: 9.93 min Scan# 1344
Delta R.T. 0.00 min
Lab File: VY003551.D
Acq: 19 Nov 2020 16:33

Instrument :
MSVOA_Y
ClientSampled :
MDL04

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	23.2	43.0

Manual Integrations
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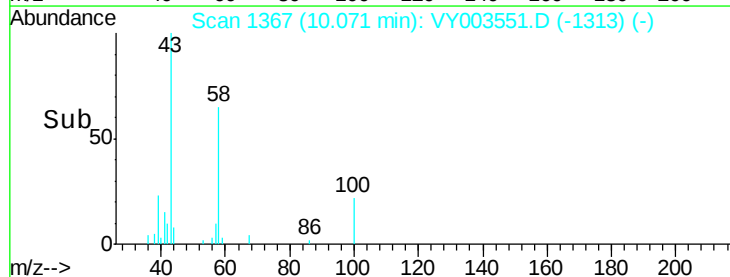
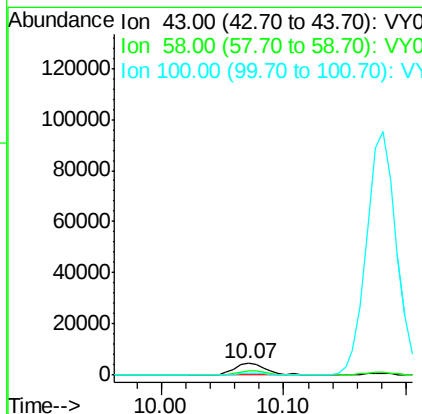
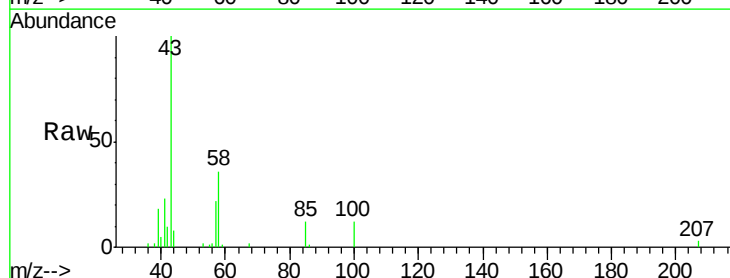
MMDadoda
11/20/2020 10:22:52 AM

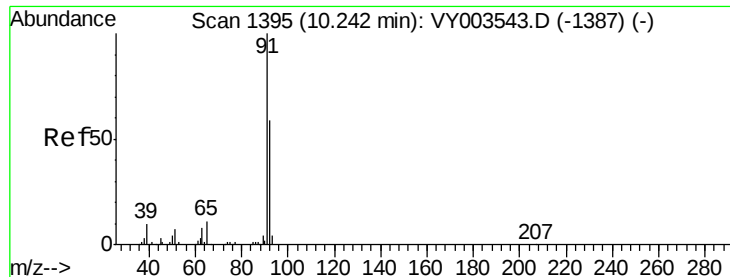


#43

4-Methyl-2-pentanone
Concen: 3.053 ug/L
RT: 10.07 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VY003551.D
Acq: 19 Nov 2020 16:33

Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.5	30.2	45.2
100	13.4	11.7	17.5





#44

Toluene

Concen: 1.293 ug/L

RT: 10.24 min Scan# 1395

Delta R.T. 0.00 min

Lab File: VY003551.D

Acq: 19 Nov 2020 16:33

Instrument :

MSVOA_Y

ClientSampleId :

MDL04

Tot Ion: 91 Resp: 18571

Ion Ratio Lower Upper

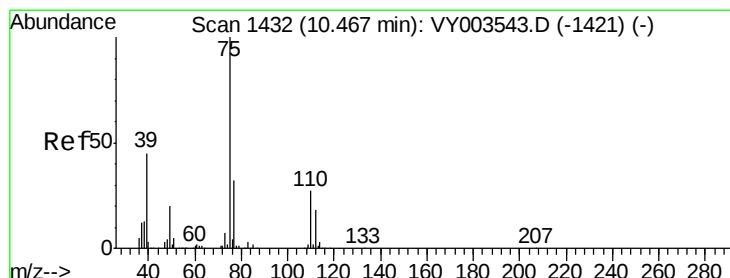
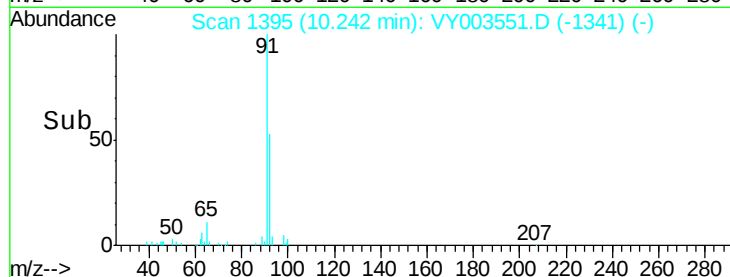
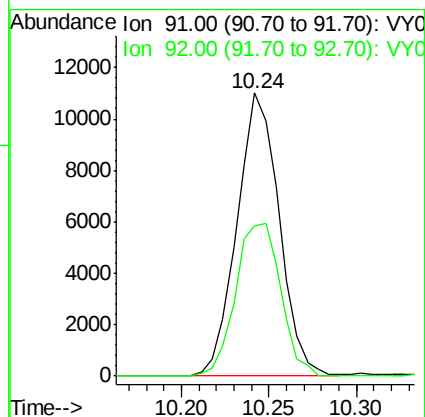
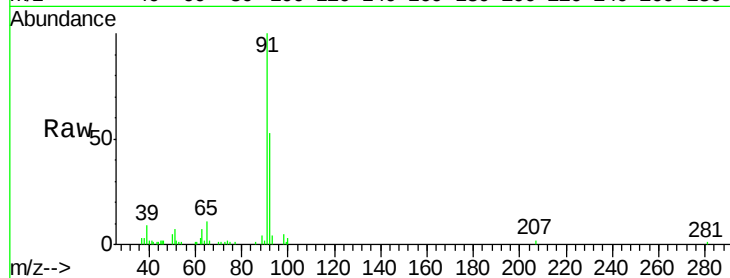
91 100

92 53.1 41.0 76.2

Manual Integrations
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MMDadoda

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#45

trans-1,3-Dichloropropene

Concen: 1.658 ug/L

RT: 10.47 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VY003551.D

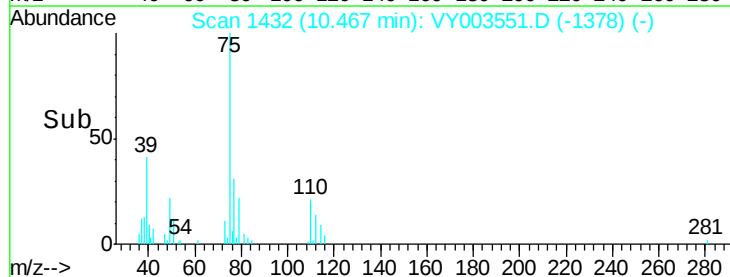
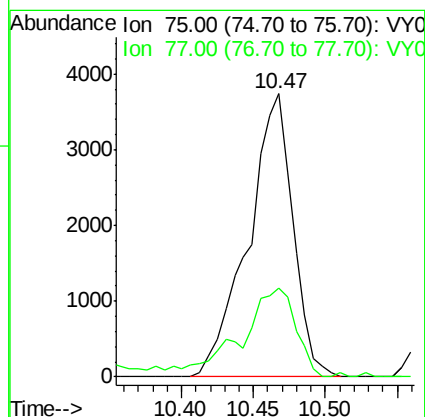
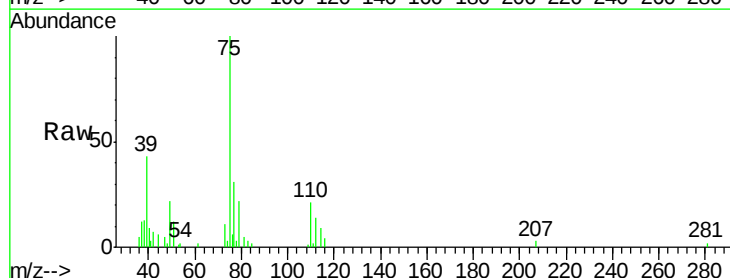
Acq: 19 Nov 2020 16:33

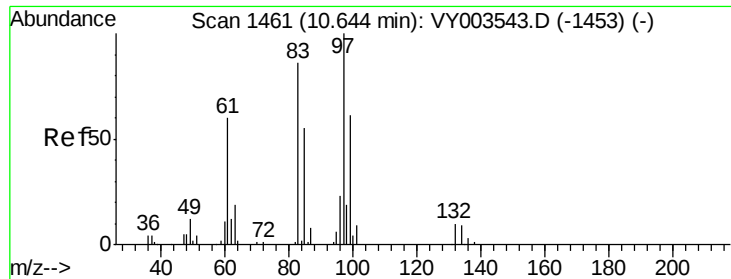
Tgt Ion: 75 Resp: 8093

Ion Ratio Lower Upper

75 100

77 31.4 22.1 41.1





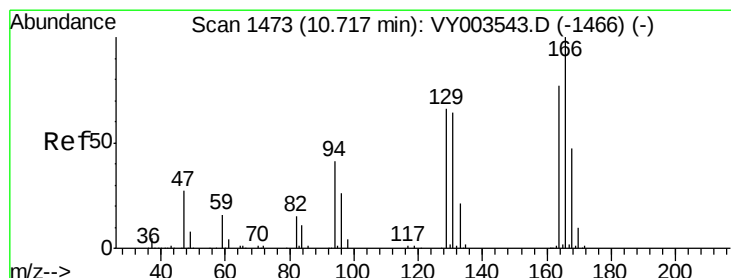
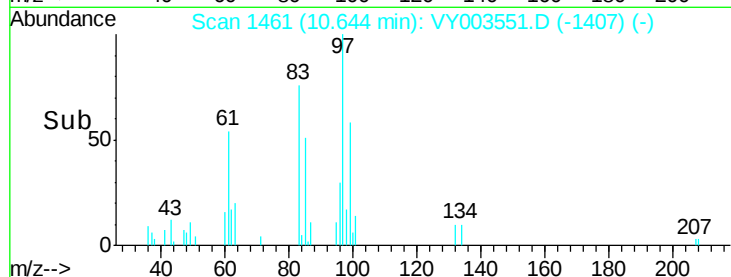
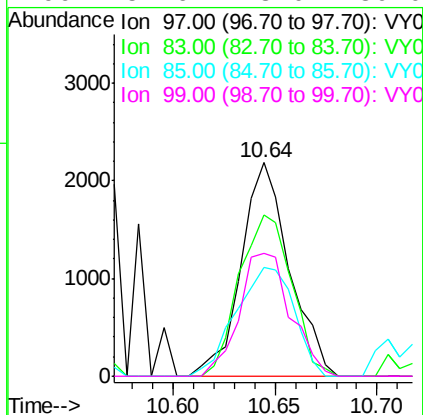
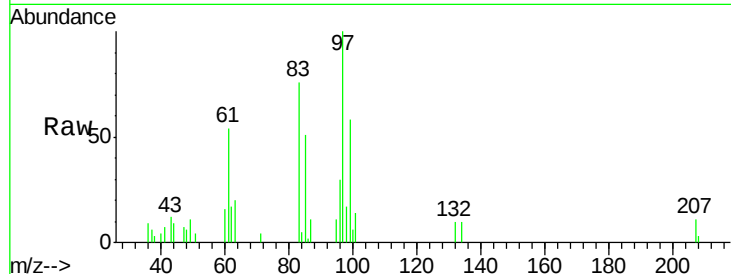
#46
1,1,2-Trichloroethane
Concen: 1.347 ug/L
RT: 10.64 min Scan# 1461
Delta R.T. 0.00 min
Lab File: VY003551.D
Acq: 19 Nov 2020 16:33

Instrument :
MSVOA_Y
ClientSampleId :
MDL04

Tot Ion	Ratio	Lower	Upper
97	100		
83	75.7	60.1	111.5
85	51.1	38.9	72.2
99	57.6	43.0	80.0

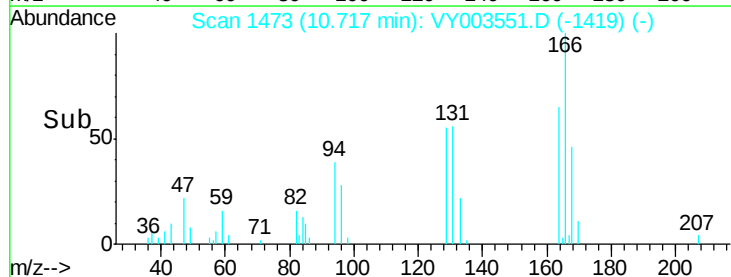
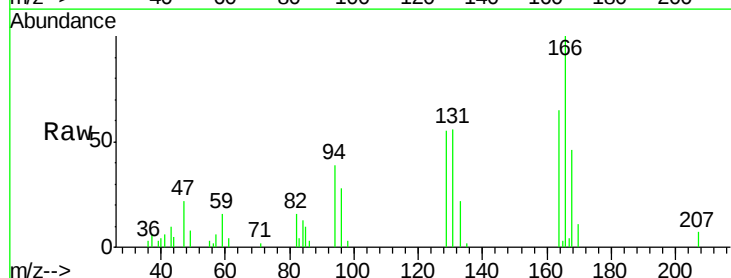
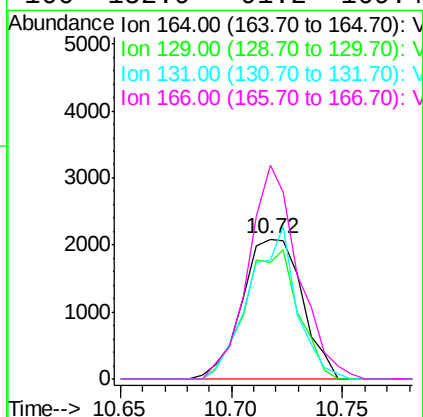
Manual Integrations
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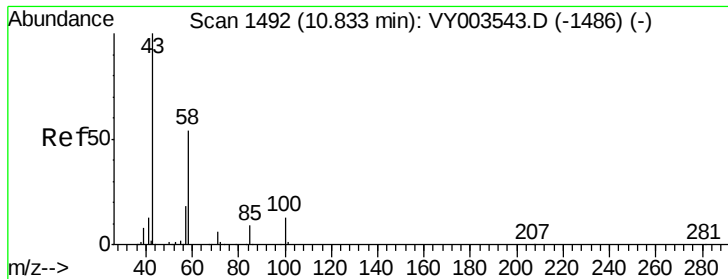
MMDadoda
11/20/2020 10:22:52 AM



#47
Tetrachloroethene
Concen: 1.302 ug/L
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY003551.D
Acq: 19 Nov 2020 16:33

Tgt Ion	Ratio	Lower	Upper
164	100		
129	83.5	60.6	112.6
131	85.3	58.7	109.1
166	152.9	91.2	169.4





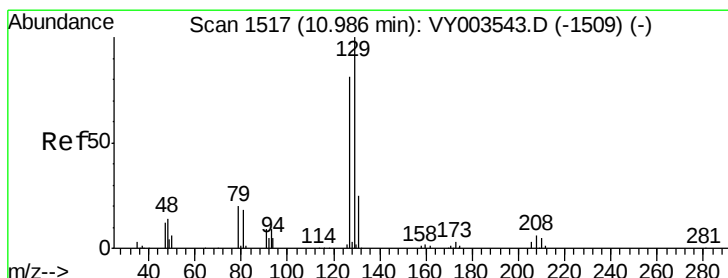
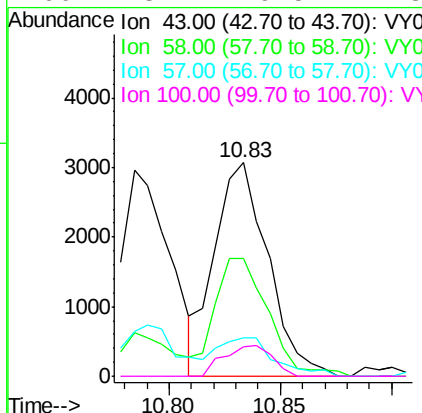
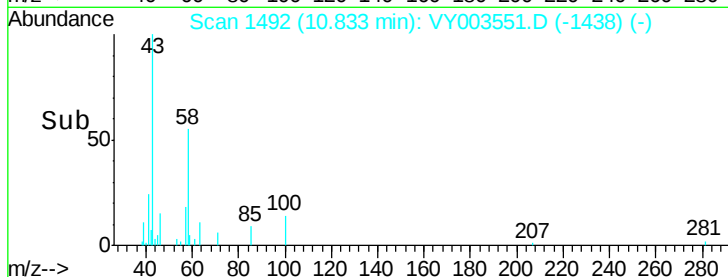
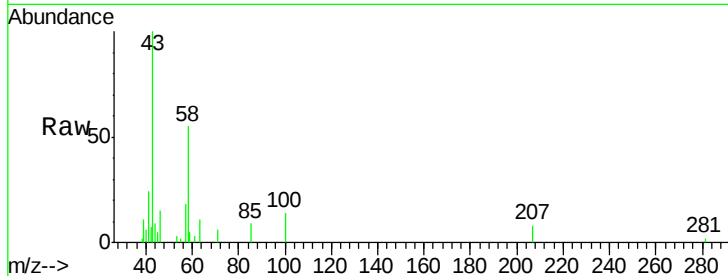
#49
2-Hexanone
Concen: 2.302 ug/L
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY003551.D
Acq: 19 Nov 2020 16:33

Instrument :
MSVOA_Y
ClientSampleId :
MDL04

Tot Ion:	43	Resp:	5112
Ion	Ratio	Lower	Upper
43	100		
58	54.0	42.1	63.1
57	18.5	14.2	21.2
100	13.2	9.5	14.3

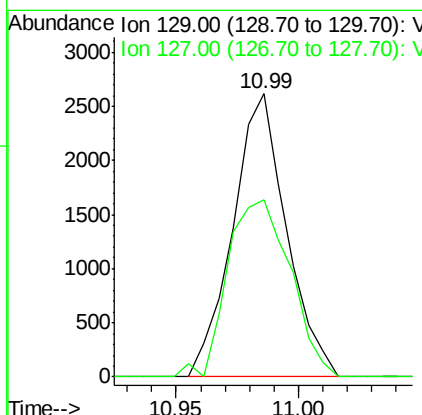
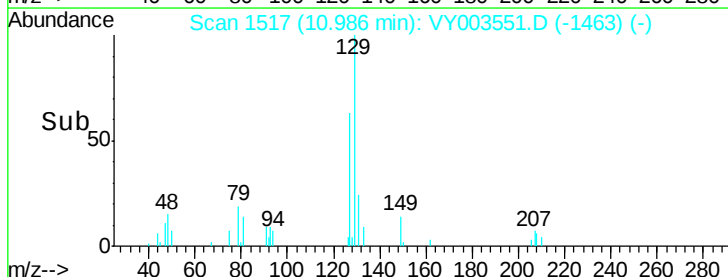
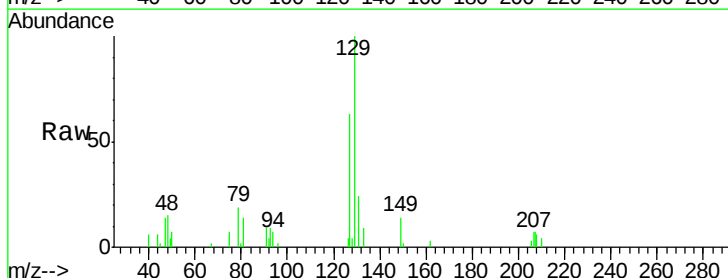
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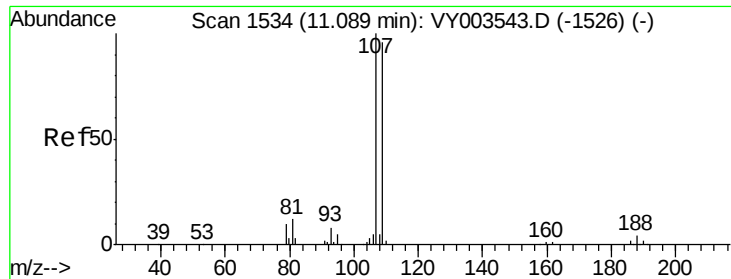
MMDadoda
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#50
Dibromochloromethane
Concen: 1.230 ug/L
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY003551.D
Acq: 19 Nov 2020 16:33

Tgt Ion:	129	Resp:	3983
Ion	Ratio	Lower	Upper
129	100		
127	62.8	56.6	105.0





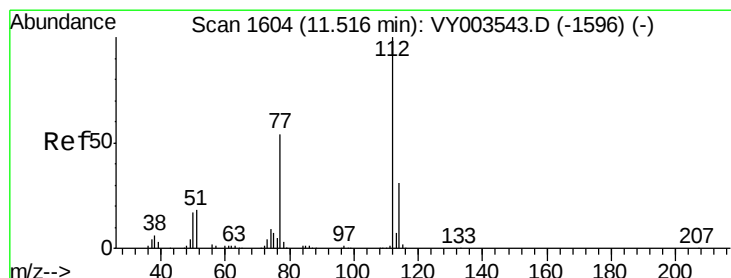
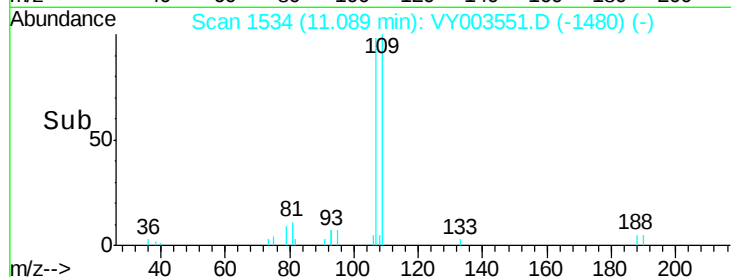
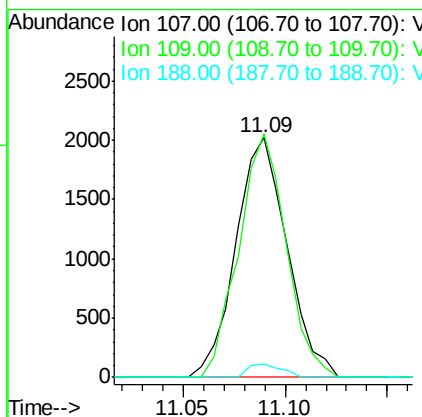
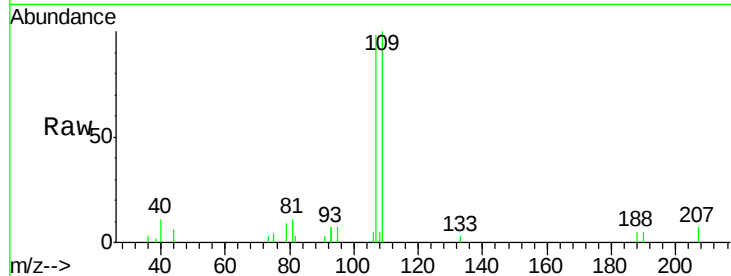
#51
 1,2-Dibromoethane
 Concen: 1.317 ug/L
 RT: 11.09 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VY003551.D
 Acq: 19 Nov 2020 16:33

Instrument :
 MSVOA_Y
 ClientSampled :
 MDL04

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
109	101.7	66.8	124.2	
188	5.5	3.3	4.9#	

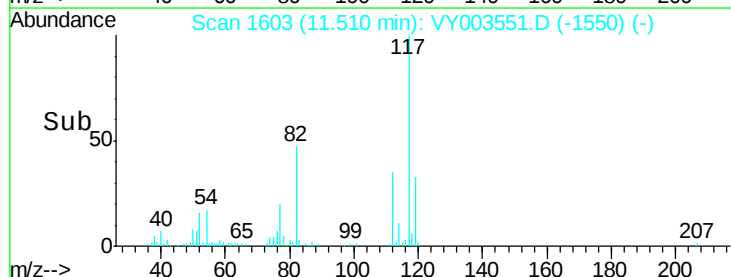
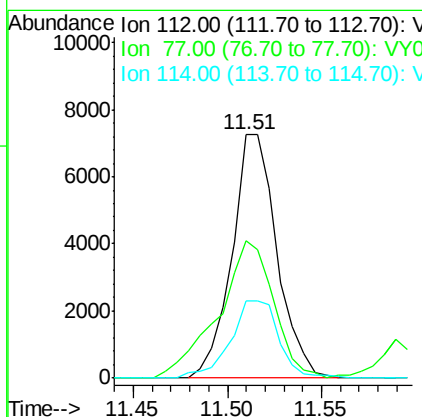
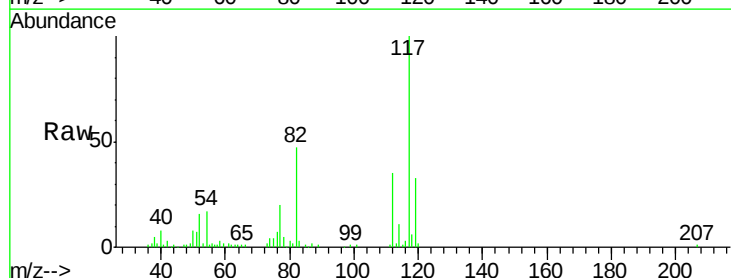
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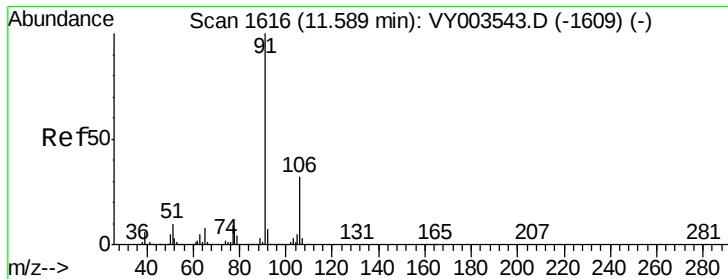
MMDadoda
 11/20/2020 10:22:52 AM



#52
 Chlorobenzene
 Concen: 1.309 ug/L
 RT: 11.51 min Scan# 1603
 Delta R.T. -0.01 min
 Lab File: VY003551.D
 Acq: 19 Nov 2020 16:33

Tgt Ion	Ratio	Resp	Lower	Upper
112	100			
77	56.6	43.3	64.9	
114	31.6	21.9	40.7	





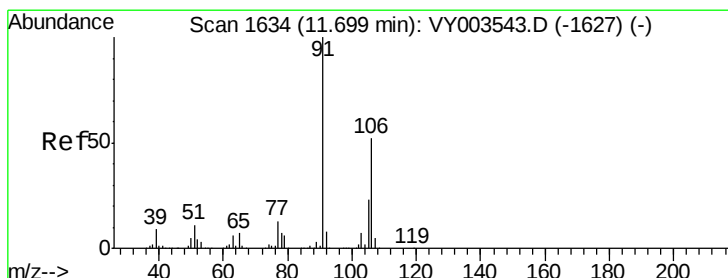
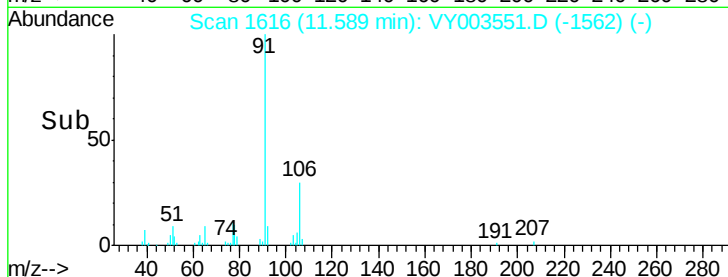
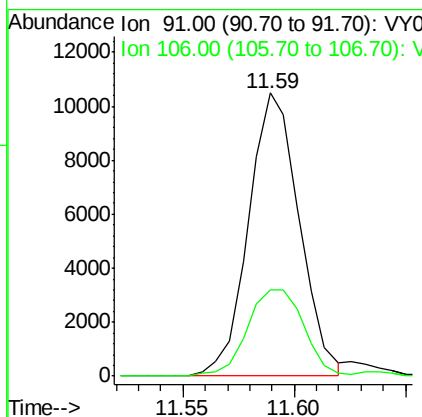
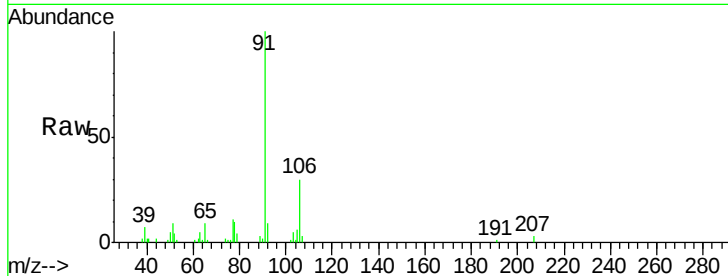
#53
Ethylbenzene
Concen: 1.129 ug/L
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY003551.D
Acq: 19 Nov 2020 16:33

Instrument :
MSVOA_Y
ClientSampleId :
MDL04

Tot Ion: 91 Resp: 16661
Ion Ratio Lower Upper
91 100
106 30.3 22.5 41.7

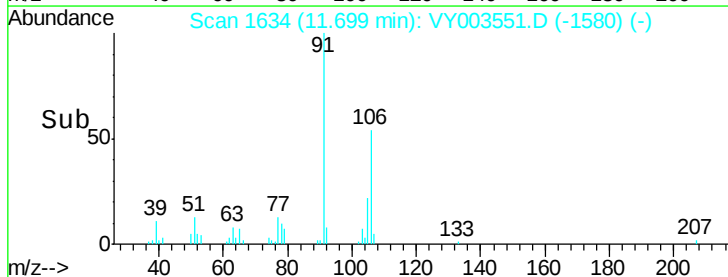
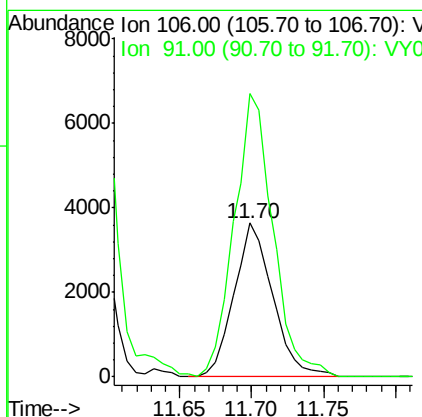
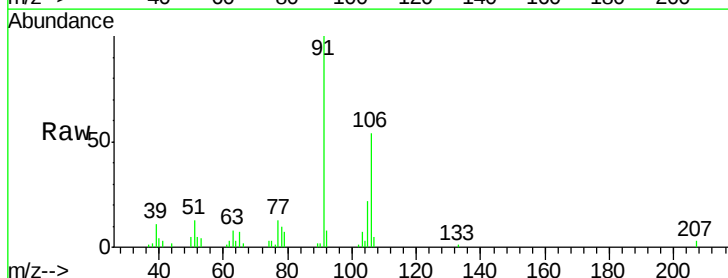
Manual Integrations
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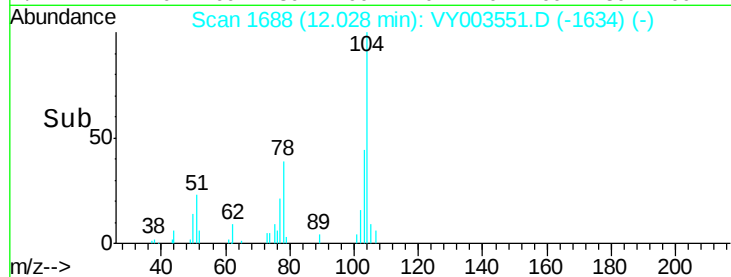
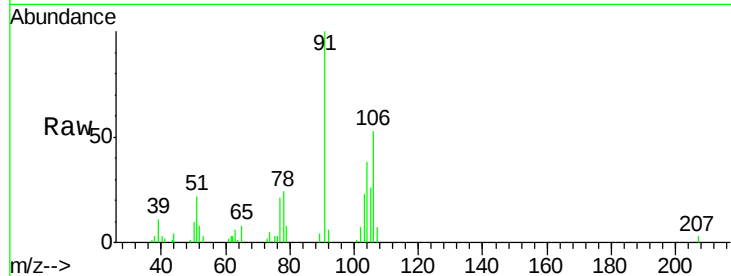
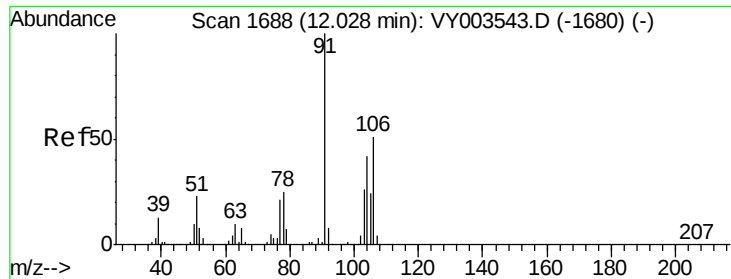
MMDadoda
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#54
m,p-Xylene
Concen: 1.198 ug/L
RT: 11.70 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VY003551.D
Acq: 19 Nov 2020 16:33

Tgt Ion: 106 Resp: 6801
Ion Ratio Lower Upper
106 100
91 184.4 135.6 251.8





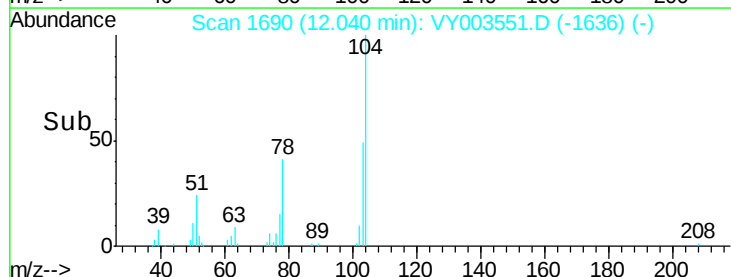
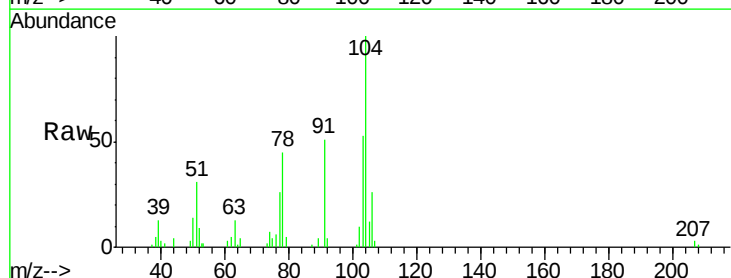
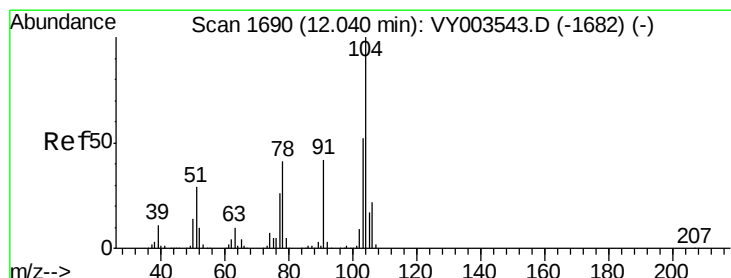
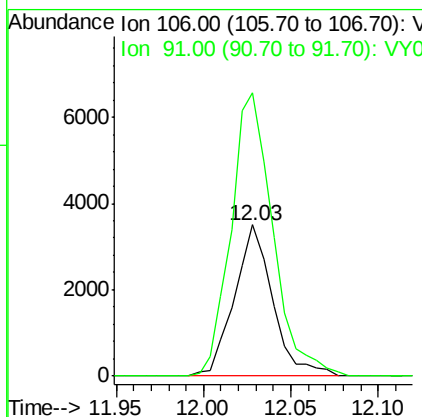
#55
o-xylene
Concen: 1.130 ug/L
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY003551.D
Acq: 19 Nov 2020 16:33

Tot Ion:106 Resp: 5357
Ion Ratio Lower Upper
106 100
91 187.3 138.3 256.8

Instrument :
MSVOA_Y
ClientSampleId :
MDL04

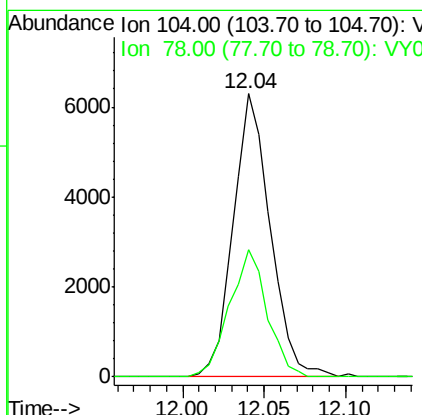
Manual Integrations
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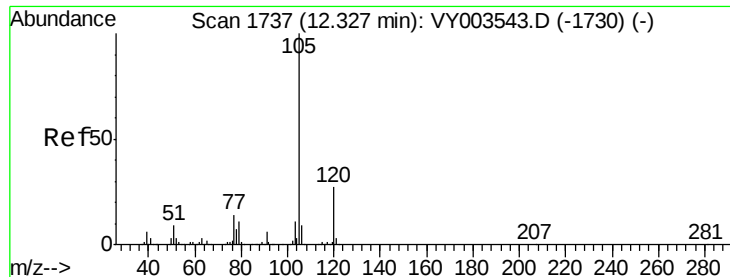
MMDadoda
11/20/2020 10:22:52 AM



#56
Styrene
Concen: 1.070 ug/L
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY003551.D
Acq: 19 Nov 2020 16:33

Tgt Ion:104 Resp: 9937
Ion Ratio Lower Upper
104 100
78 45.2 28.8 53.6





#57

Isopropylbenzene

Concen: 1.062 ug/L

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY003551.D

Acq: 19 Nov 2020 16:33

Instrument :

MSVOA_Y

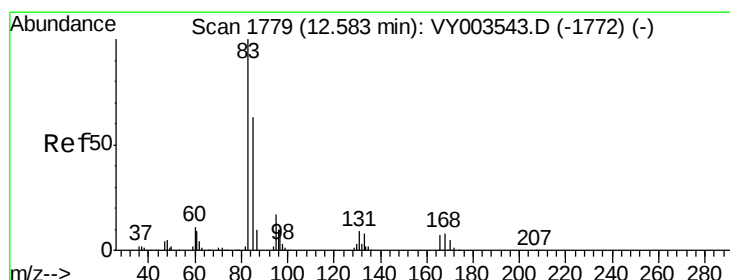
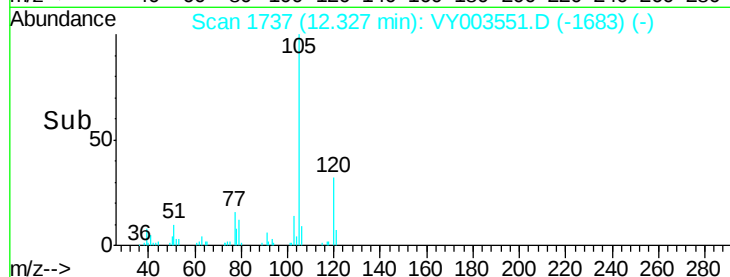
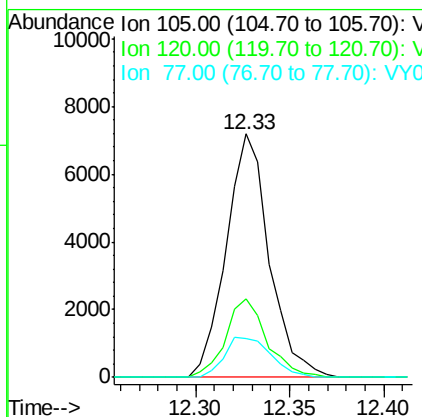
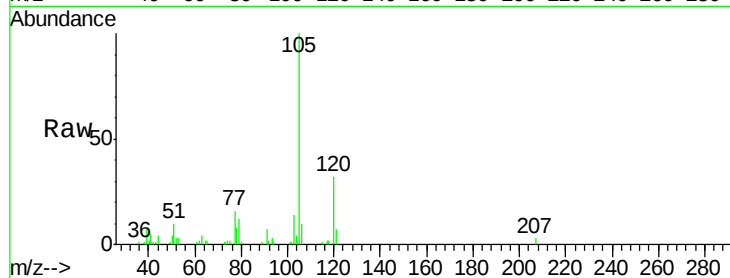
ClientSampleId :

MDL04

Tot Ion:	105	Resp:	11397
Ion Ratio	Lower	Upper	
105	100		
120	30.7	21.7	32.5
77	17.8	12.1	18.1

Manual Integrations
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11/20/2020 10:22:52 AM



#58

1,1,2,2-Tetrachloroethane

Concen: 1.264 ug/L

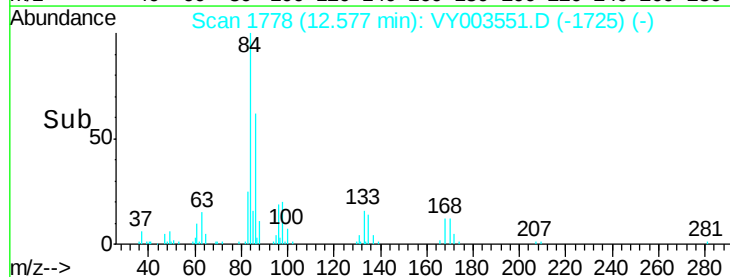
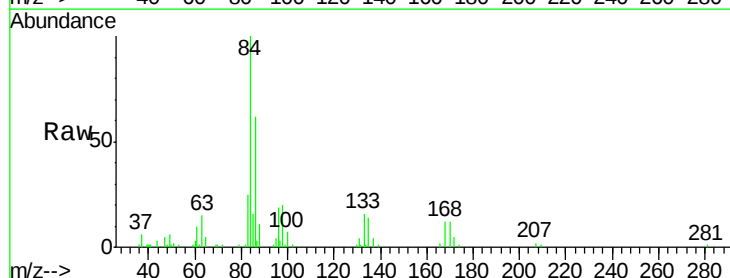
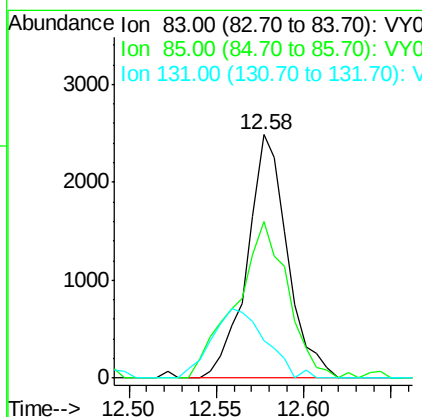
RT: 12.58 min Scan# 1778

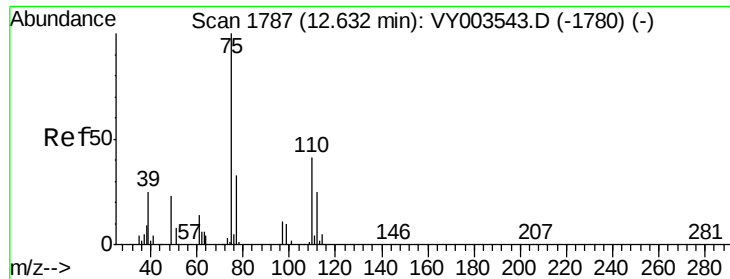
Delta R.T. -0.01 min

Lab File: VY003551.D

Acq: 19 Nov 2020 16:33

Tgt Ion:	83	Resp:	4002
Ion Ratio	Lower	Upper	
83	100		
85	64.5	44.8	83.2
131	19.3	7.3	10.9#





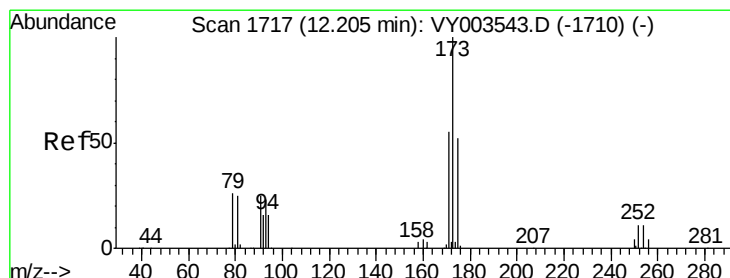
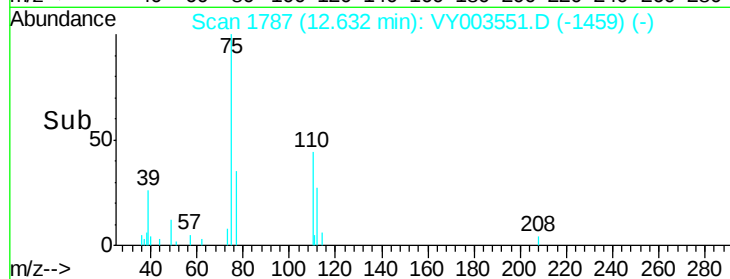
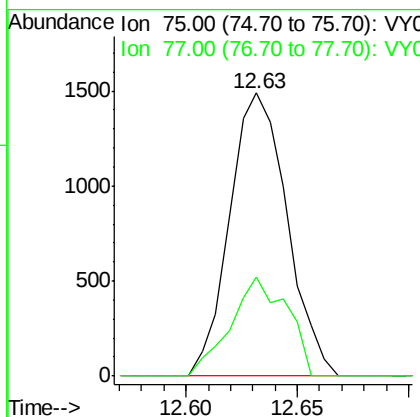
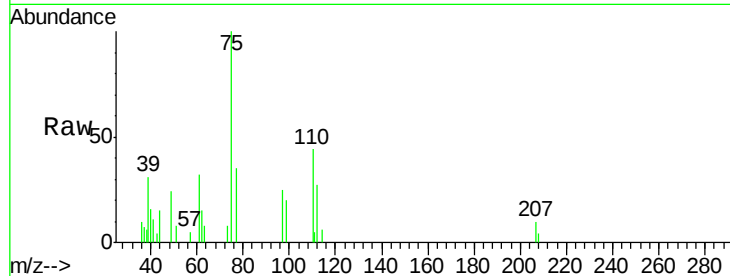
#59
 1,2,3-Trichloropropane
 Concen: 1.083 ug/L
 RT: 12.63 min Scan# 1787
 Delta R.T. 0.00 min
 Lab File: VY003551.D
 Acq: 19 Nov 2020 16:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL04

Tot Ion	Ratio	Lower	Upper
75	100		
77	34.1	26.2	39.2

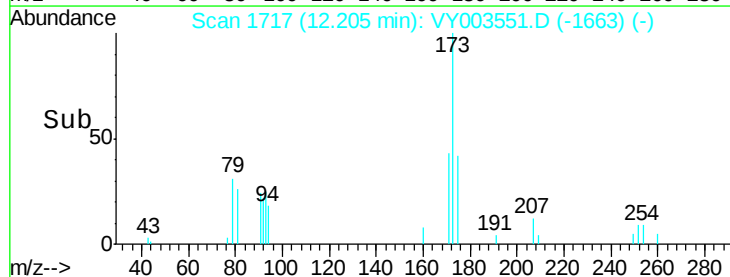
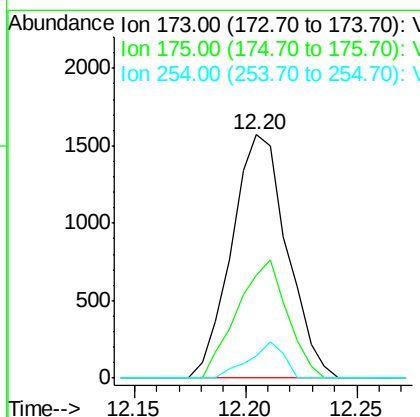
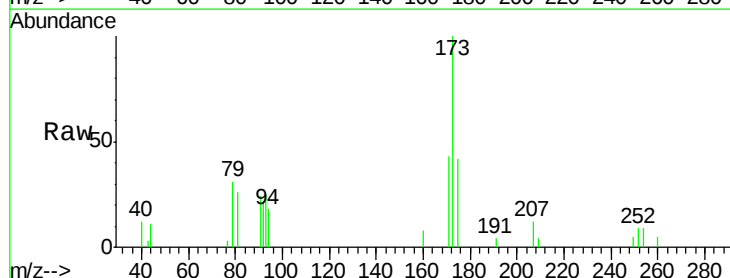
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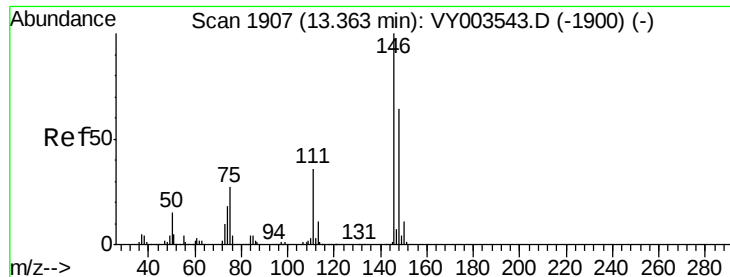
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#62
 Bromoform
 Concen: 1.335 ug/L
 RT: 12.20 min Scan# 1717
 Delta R.T. 0.00 min
 Lab File: VY003551.D
 Acq: 19 Nov 2020 16:33

Tgt Ion	Ratio	Lower	Upper
173	100		
175	43.9	39.5	59.3
254	9.4	8.6	12.8





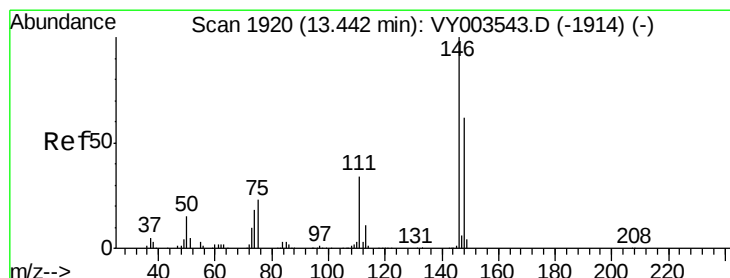
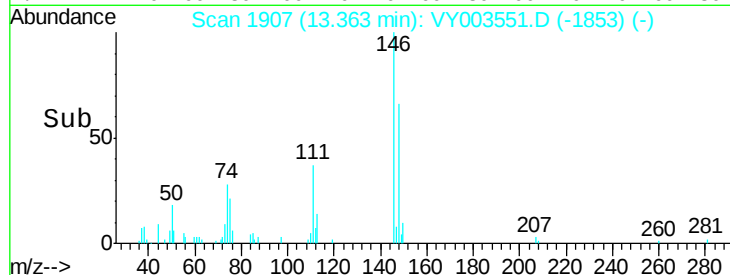
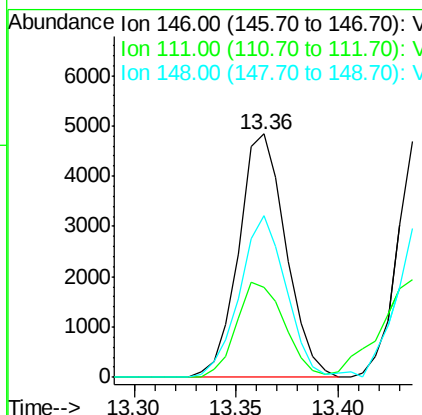
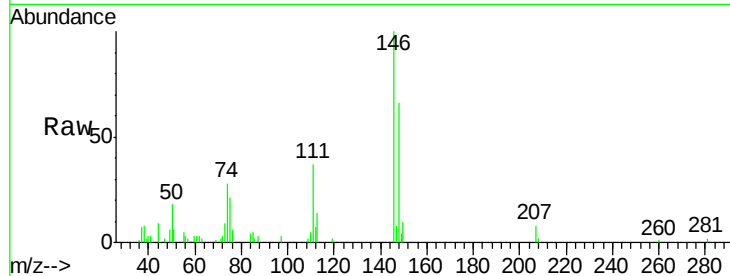
#63
 1,3-Dichlorobenzene
 Concen: 1.224 ug/L
 RT: 13.36 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY003551.D
 Acq: 19 Nov 2020 16:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL04

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	25.1	46.5
148	66.3	44.7	82.9

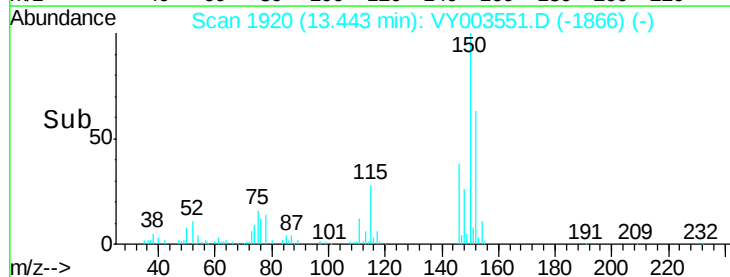
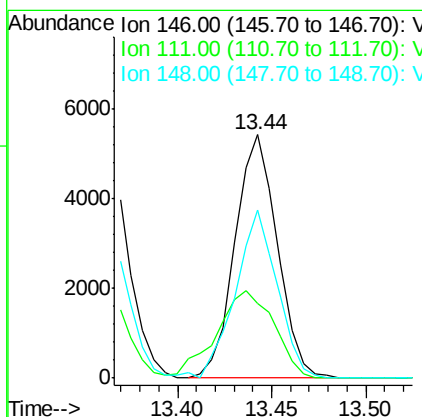
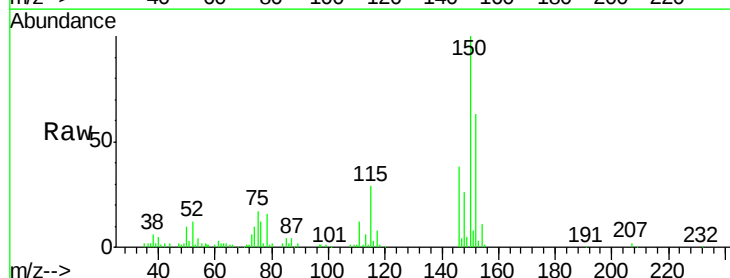
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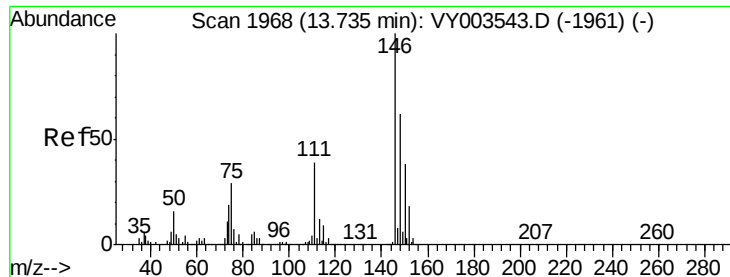
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#64
 1,4-Dichlorobenzene
 Concen: 1.292 ug/L
 RT: 13.44 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VY003551.D
 Acq: 19 Nov 2020 16:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	30.8	24.1	44.8
148	68.8	43.6	81.0





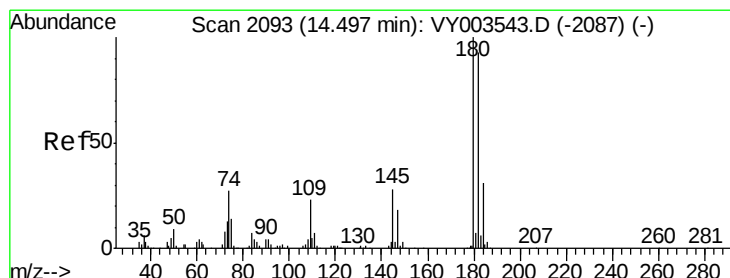
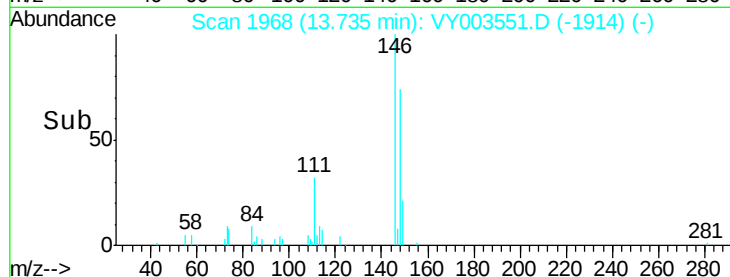
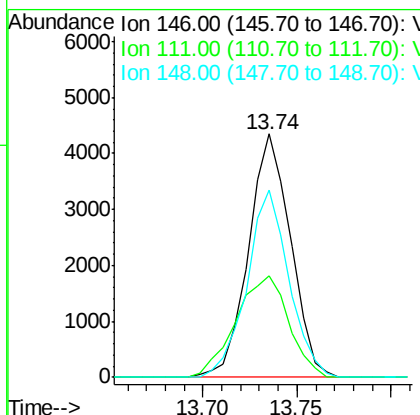
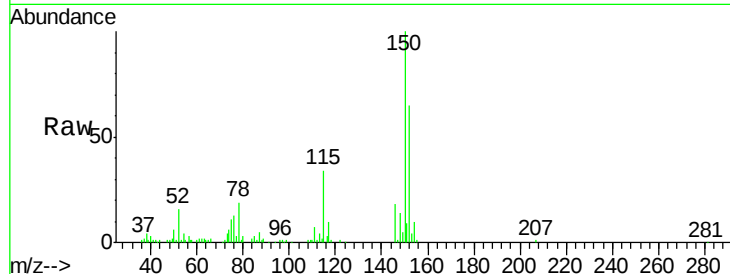
#65
 1,2-Dichlorobenzene
 Concen: 1.284 ug/L
 RT: 13.74 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VY003551.D
 Acq: 19 Nov 2020 16:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL04

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	31.0	46.6
148	76.7	49.8	74.8

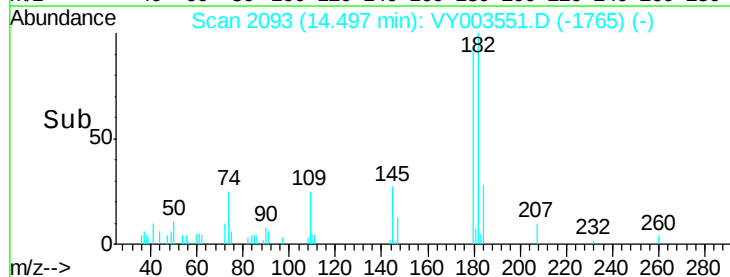
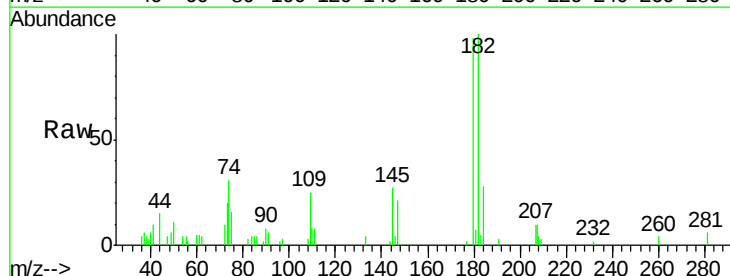
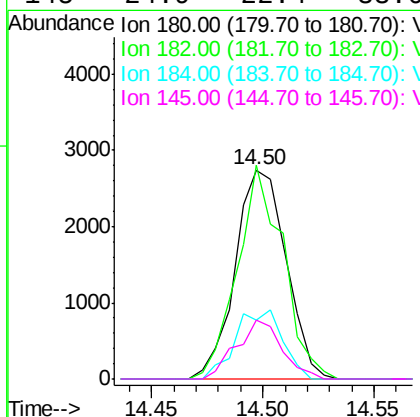
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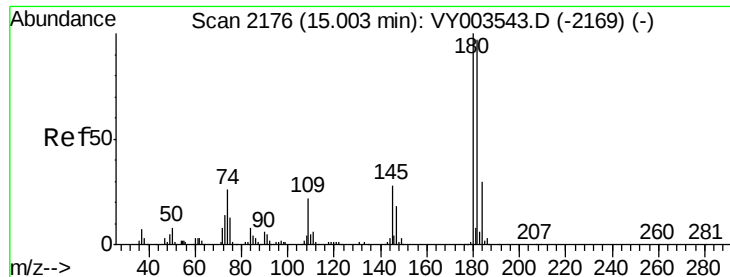
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#67
 1,3,5-Trichlorobenzene
 Concen: 1.300 ug/L
 RT: 14.50 min Scan# 2093
 Delta R.T. 0.00 min
 Lab File: VY003551.D
 Acq: 19 Nov 2020 16:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.4	77.3	115.9
184	30.8	24.4	36.6
145	24.9	22.4	33.6





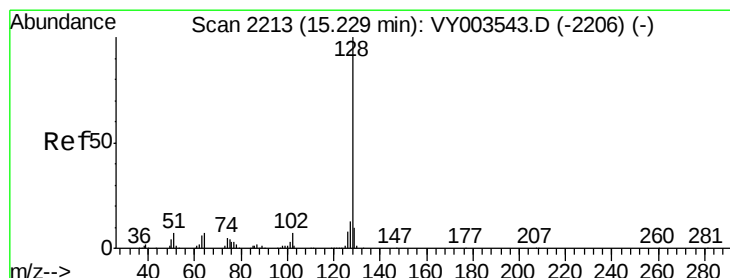
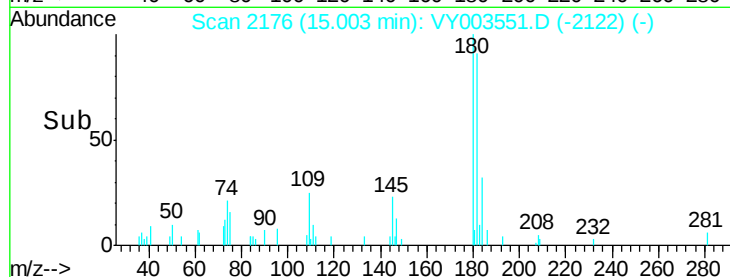
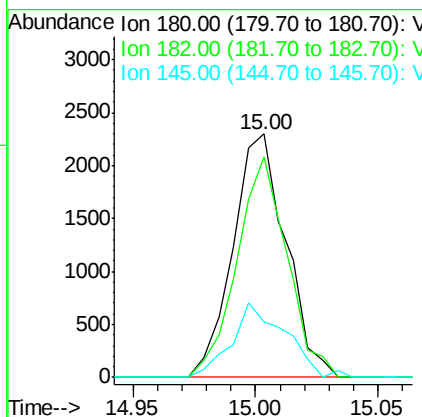
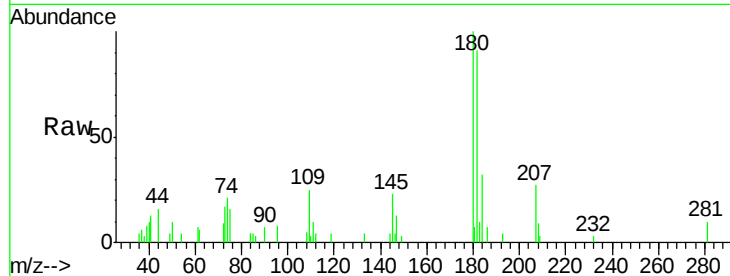
#68
 1,2,4-trichlorobenzene
 Concen: 1.195 ug/L
 RT: 15.00 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VY003551.D
 Acq: 19 Nov 2020 16:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL04

Tot Ion	Ratio	Lower	Upper
180	100		
182	85.9	76.5	114.7
145	30.3	22.8	34.2

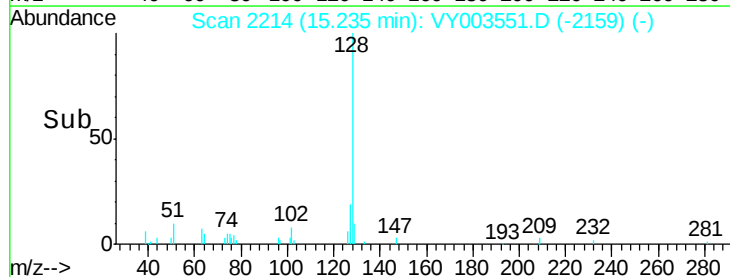
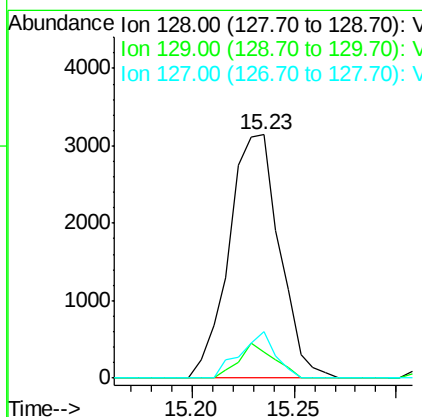
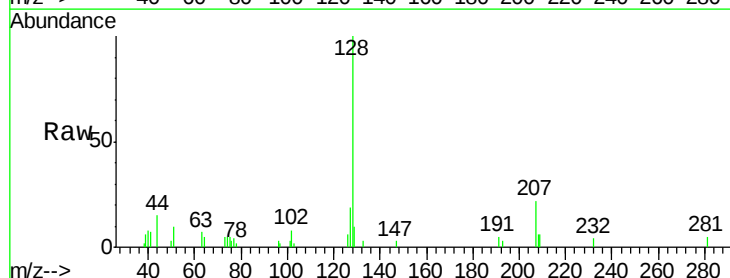
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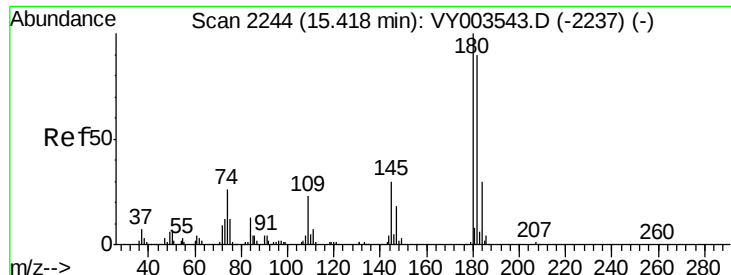
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#69
 Naphthalene
 Concen: 1.057 ug/L
 RT: 15.23 min Scan# 2214
 Delta R.T. 0.01 min
 Lab File: VY003551.D
 Acq: 19 Nov 2020 16:33

Tgt Ion	Ratio	Lower	Upper
128	100		
129	9.9	8.5	12.7
127	13.3	10.2	15.2





#70
 1,2,3-Trichlorobenzene
 Concen: 1.253 ug/L
 RT: 15.42 min Scan# 2244
 Delta R.T. 0.00 min
 Lab File: VY003551.D
 Acq: 19 Nov 2020 16:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL04

Tot Ion	Ratio	Lower	Upper
180	100		
182	86.0	76.5	114.7
145	32.0	25.2	37.8

Manual Integrations
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