

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111920\
 Data File : VY003550.D
 Acq On : 19 Nov 2020 16:12
 Operator : SY/MD
 Sample : MDL03
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL03

Manual Integrations
 APPROVED

MMDadoda
 11/20/2020 10:22:48 AM

Quant Time: Nov 20 03:00:31 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	232191	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	205673	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	97160	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.26	65	54994	21.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.96%
7) Chloroethane-d5	2.77	69	51579	21.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.88%
10) 1,1-Dichloroethene-d2	3.86	63	105459	16.67	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	66.68%
20) 2-Butanone-d5	6.91	46	64376	49.89	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.78%
24) Chloroform-d	7.49	84	140946	23.88	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.52%
26) 1,2-Dichloroethane-d4	8.15	65	81309	24.58	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.32%
29) Benzene-d6	8.11	84	295204	24.64	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.56%
33) 1,2-Dichloropropane-d6	9.13	67	88394	25.16	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.64%
37) Toluene-d8	10.18	98	260318	24.25	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.00%
38) trans-1,3-Dichloropropene-	10.44	79	43890	25.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.12%
39) 2-Hexanone-d5	10.79	63	46273	50.65	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.30%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	72221	23.59	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.36%
61) 1,2-Dichlorobenzene-d4	13.72	152	76924	24.53	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.12%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.93	85	1206m	0.980	ug/L	
3) Chloromethane	2.12	50	3388	1.308	ug/L	87
5) Vinyl chloride	2.26	62	4088	1.321	ug/L #	56
6) Bromomethane	2.66	94	2998	1.248	ug/L	100
8) Chloroethane	2.82	64	2569	1.223	ug/L	91
9) Trichlorofluoromethane	3.13	101	3178	1.072	ug/L	93
11) 1,1,2-Trichloro-1,2,2-trif	3.92	101	4969m	1.616	ug/L	
12) 1,1-Dichloroethene	3.88	96	5174	1.609	ug/L #	1
13) Acetone	3.98	43	2855	3.082	ug/L	59
14) Carbon disulfide	4.20	76	13192	1.238	ug/L #	95
15) Methyl Acetate	4.49	43	3119	1.326	ug/L #	85
16) Methylene chloride	4.72	84	12011	3.017	ug/L	94
17) Methyl tert-butyl Ether	5.22	73	6646m	1.323	ug/L	
18) trans-1,2-Dichloroethene	5.22	96	4334	1.279	ug/L	92
19) 1,1-Dichloroethane	6.03	63	6858	1.198	ug/L	93
21) 2-Butanone	7.01	43	5772m	3.700	ug/L	
22) cis-1,2-Dichloroethene	6.99	96	4641	1.333	ug/L	94

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

23) Bromochloromethane	7.34	128	2124	1.260	ug/L	78
25) Chloroform	7.52	83	7744m	1.361	ug/L	
27) 1,2-Dichloroethane	8.25	62	5185	1.349	ug/L	95
30) Cyclohexane	7.79	56	5739	1.148	ug/L #	90
31) 1,1,1-Trichloroethane	7.71	97	5918m	1.323	ug/L	
32) Carbon tetrachloride	7.91	117	5083	1.195	ug/L	97
34) Benzene	8.17	78	16506	1.272	ug/L	100
35) Trichloroethene	8.94	95	4147	1.262	ug/L	98
36) Methylcyclohexane	9.18	83	5543	1.079	ug/L	89
40) 1,2-Dichloropropane	9.22	63	3894	1.217	ug/L	99
41) Bromodichloromethane	9.50	83	5053	1.238	ug/L #	97
42) cis-1,3-Dichloropropene	9.93	75	6096	1.208	ug/L	86
43) 4-Methyl-2-pentanone	10.08	43	8683	3.244	ug/L	98
44) Toluene	10.25	91	16851	1.232	ug/L	98
45) trans-1,3-Dichloropropene	10.47	75	8350	1.797	ug/L	94
46) 1,1,2-Trichloroethane	10.65	97	3378	1.322	ug/L	89
47) Tetrachloroethene	10.72	164	3425	1.199	ug/L	88
49) 2-Hexanone	10.83	43	5088	2.407	ug/L	92
50) Dibromochloromethane	10.98	129	3957	1.284	ug/L	85
51) 1,2-Dibromoethane	11.09	107	3283	1.289	ug/L #	94
52) Chlorobenzene	11.52	112	10819	1.239	ug/L	95
53) Ethylbenzene	11.59	91	16150	1.150	ug/L	98
54) m,p-Xylene	11.70	106	6116	1.131	ug/L	90
55) o-xylene	12.03	106	4725	1.047	ug/L	95
56) Styrene	12.04	104	9341	1.057	ug/L	99
57) Isopropylbenzene	12.33	105	10345	1.013	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.58	83	3981	1.320	ug/L #	83
59) 1,2,3-Trichloropropane	12.63	75	2937	1.251	ug/L	95
62) Bromoform	12.20	173	2473	1.254	ug/L	97
63) 1,3-Dichlorobenzene	13.36	146	7434	1.212	ug/L	95
64) 1,4-Dichlorobenzene	13.44	146	8480	1.343	ug/L	93
65) 1,2-Dichlorobenzene	13.74	146	6313	1.250	ug/L	93
66) 1,2-Dibromo-3-chloropropan	14.35	75	663m	1.543	ug/L	
67) 1,3,5-Trichlorobenzene	14.50	180	3690	1.134	ug/L	93
68) 1,2,4-trichlorobenzene	15.00	180	3391	1.210	ug/L	96
69) Naphthalene	15.23	128	5719	1.157	ug/L	100
70) 1,2,3-Trichlorobenzene	15.42	180	2563	1.210	ug/L	99

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

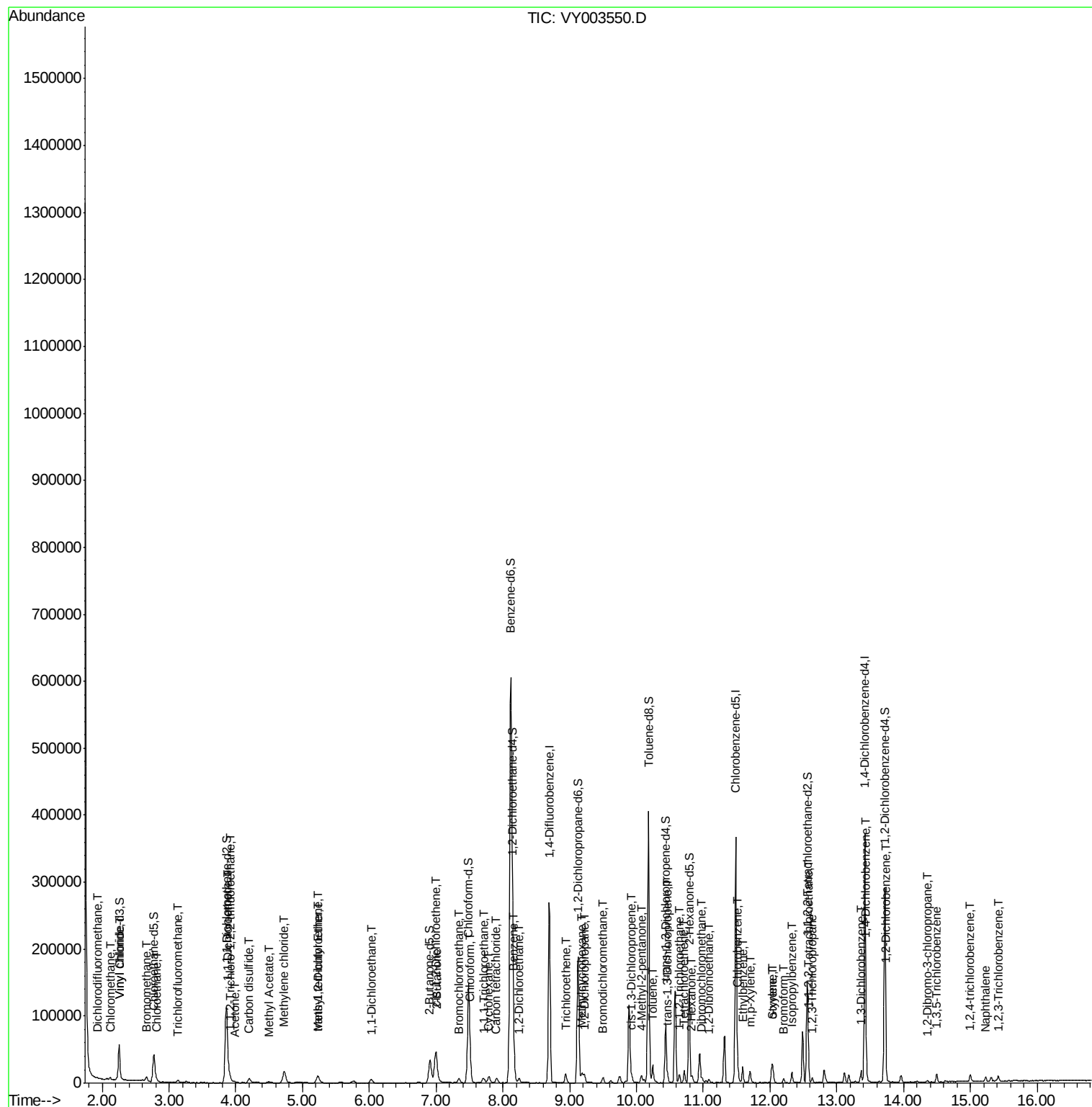
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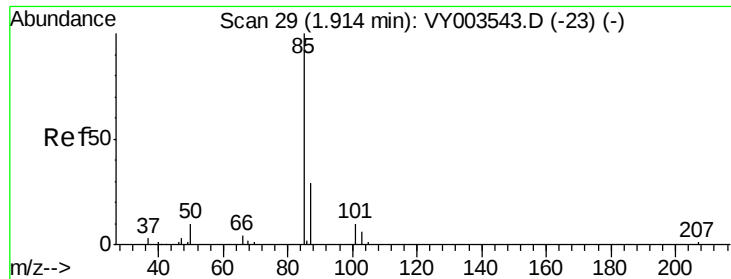
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#2

Dichlorodifluoromethane

Concen: 0.980 ug/L m

RT: 1.93 min Scan# 31

Delta R.T. 0.01 min

Lab File: VY003550.D

Acq: 19 Nov 2020 16:12

Instrument :

MSVOA_Y

ClientSampleId :

MDL03

Tot Ion: 85 Resp: 1206

Ion Ratio Lower Upper

85 100

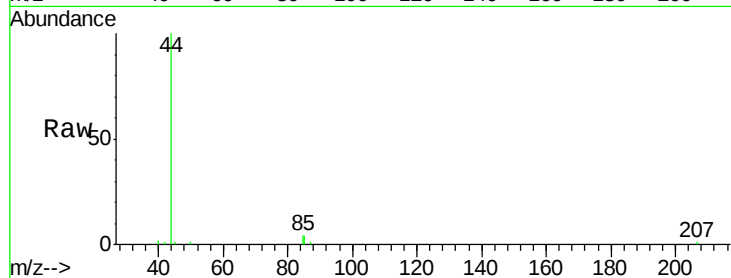
87 4.2 21.3 39.5#

Manual Integrations

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Abundance Ion 85.00 (84.70 to 85.70): VY0

Ion 87.00 (86.70 to 87.70): VY0

1.93

600

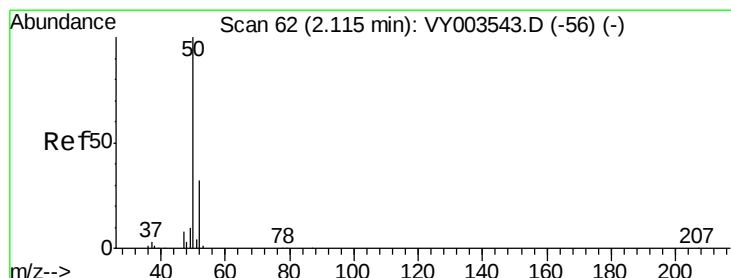
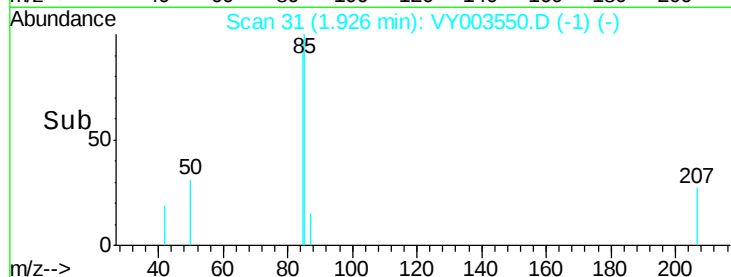
400

200

0

1.90 1.95

Time-->



#3

Chloromethane

Concen: 1.308 ug/L

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY003550.D

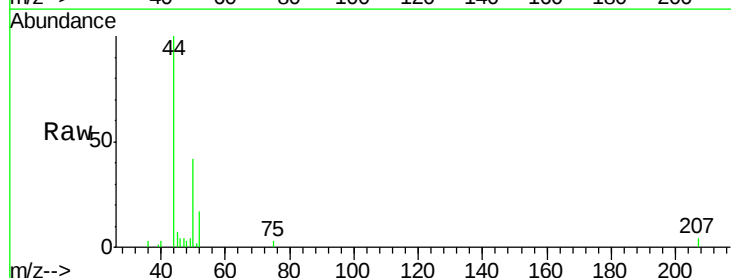
Acq: 19 Nov 2020 16:12

Tgt Ion: 50 Resp: 3388

Ion Ratio Lower Upper

50 100

52 39.4 22.4 41.6



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0

2.12

2000

1500

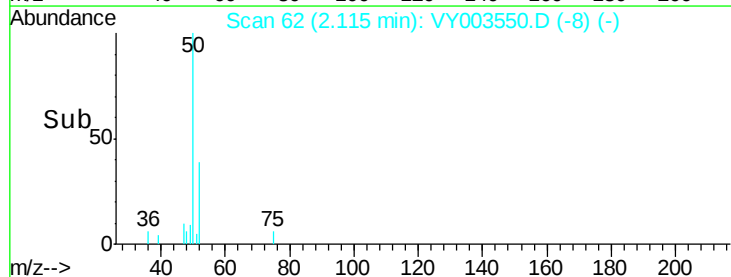
1000

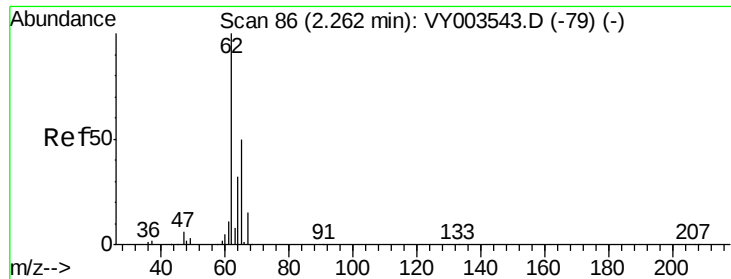
500

0

2.10 2.15

Time-->





#5

Vinyl chloride

Concen: 1.321 ug/L

RT: 2.26 min Scan# 86

Delta R.T. -0.00 min

Lab File: VY003550.D

Acq: 19 Nov 2020 16:12

Instrument :

MSVOA_Y

ClientSampled :

MDL03

Tot Ion: 62 Resp: 4088

Ion Ratio Lower Upper

62 100

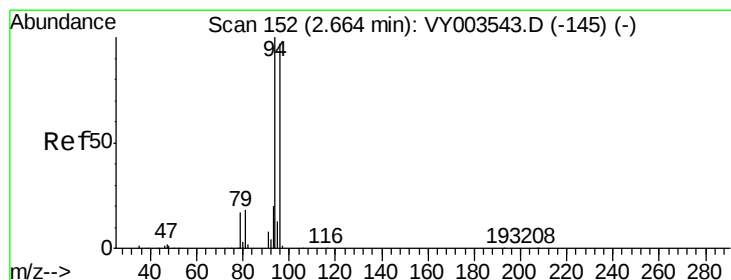
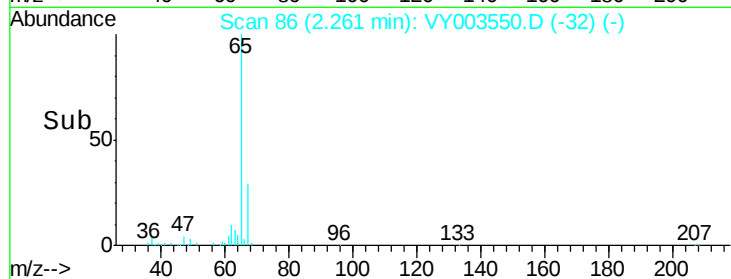
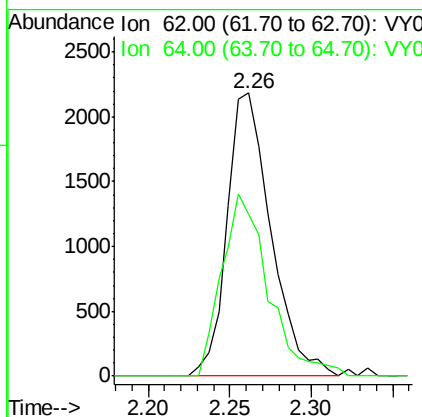
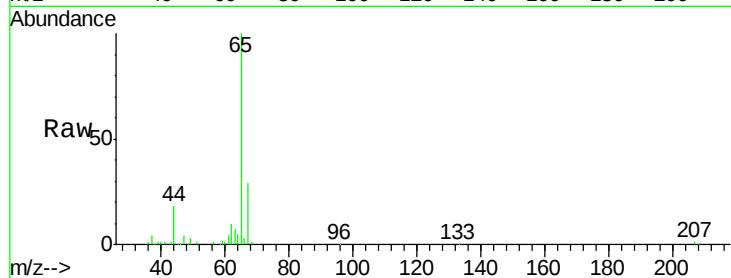
64 57.1 22.7 42.1#

Manual Integrations

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#6

Bromomethane

Concen: 1.248 ug/L

RT: 2.66 min Scan# 152

Delta R.T. -0.00 min

Lab File: VY003550.D

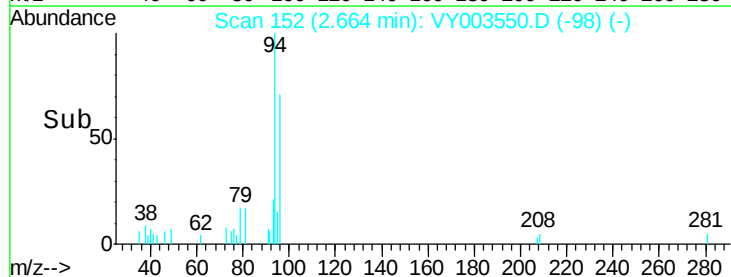
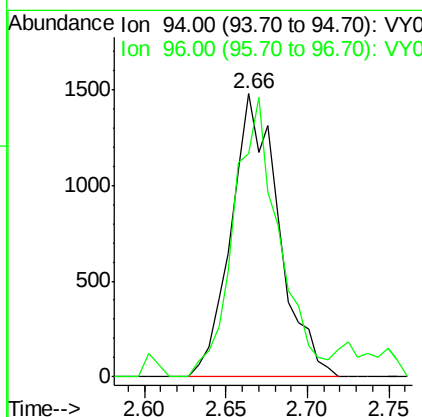
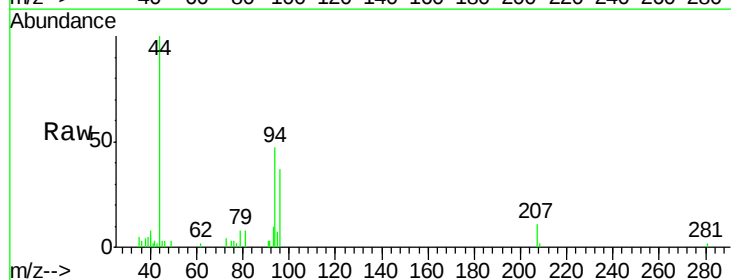
Acq: 19 Nov 2020 16:12

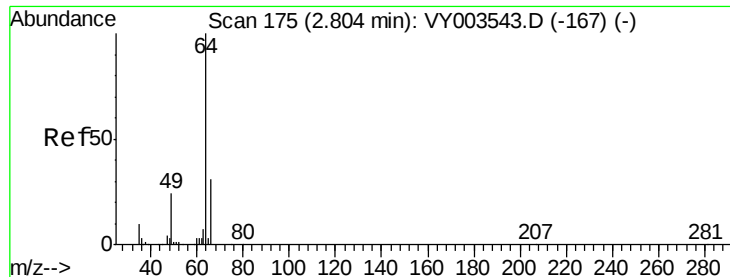
Tgt Ion: 94 Resp: 2998

Ion Ratio Lower Upper

94 100

96 94.1 9.4 178.6





#8

Chloroethane

Concen: 1.223 ug/L

RT: 2.82 min Scan# 177

Delta R.T. 0.01 min

Lab File: VY003550.D

Acq: 19 Nov 2020 16:12

Instrument :

MSVOA_Y

ClientSampleId :

MDL03

Tot Ion: 64 Resp: 2569

Ion Ratio Lower Upper

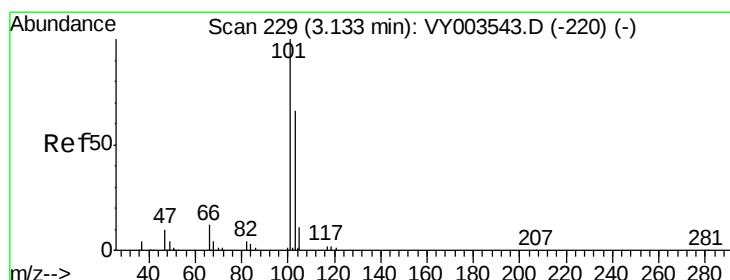
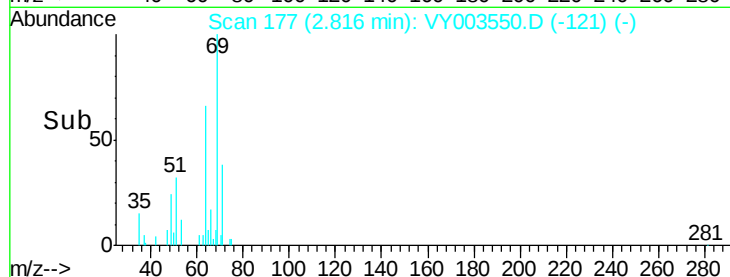
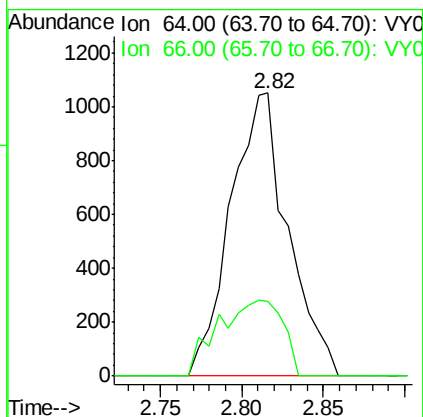
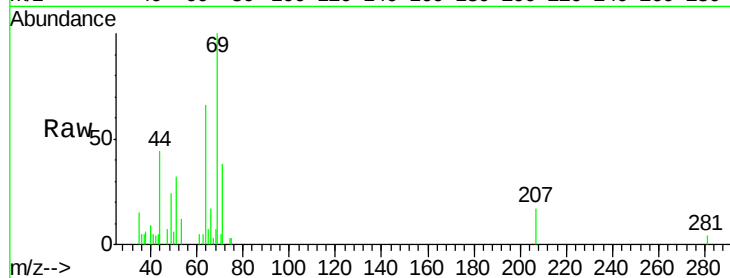
64 100

66 26.4 21.8 40.6

Manual Integrations
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#9

Trichlorofluoromethane

Concen: 1.072 ug/L

RT: 3.13 min Scan# 229

Delta R.T. -0.00 min

Lab File: VY003550.D

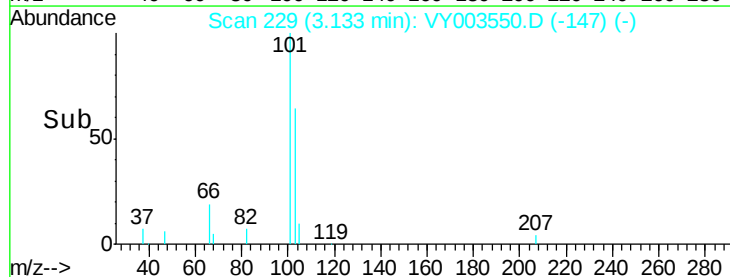
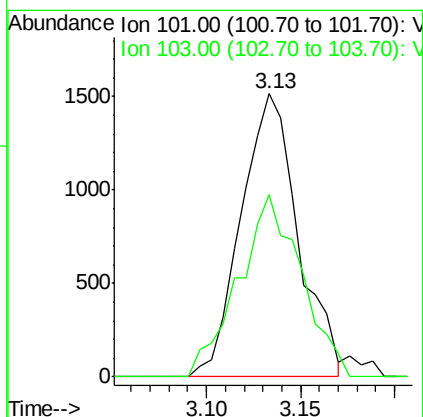
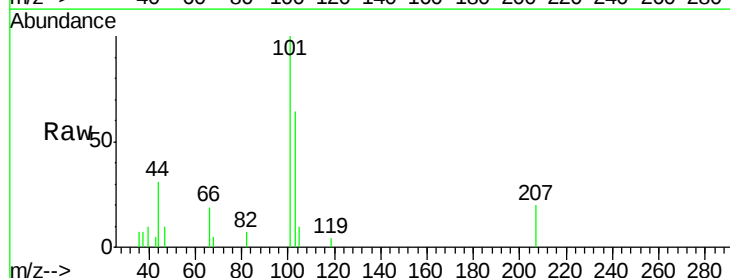
Acq: 19 Nov 2020 16:12

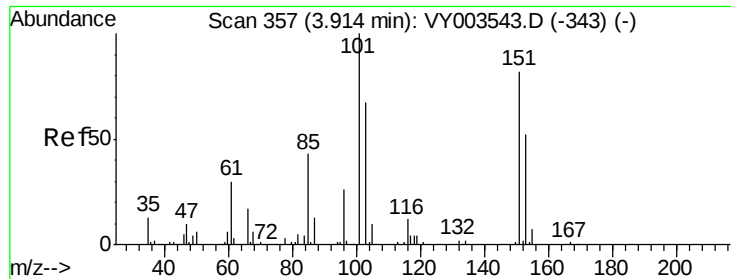
Tgt Ion: 101 Resp: 3178

Ion Ratio Lower Upper

101 100

103 70.5 45.6 84.6





#11

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

Concen: 1.616 ug/L m

RT: 3.92 min Scan# 358

Delta R.T. 0.01 min

Lab File: VY003550.D

Acq: 19 Nov 2020 16:12

Instrument :

MSVOA_Y

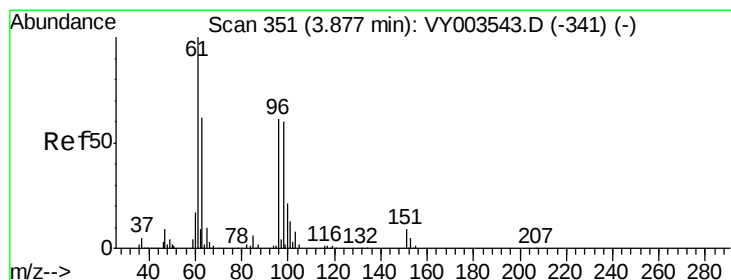
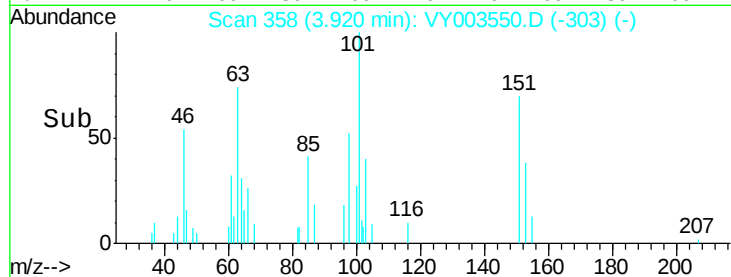
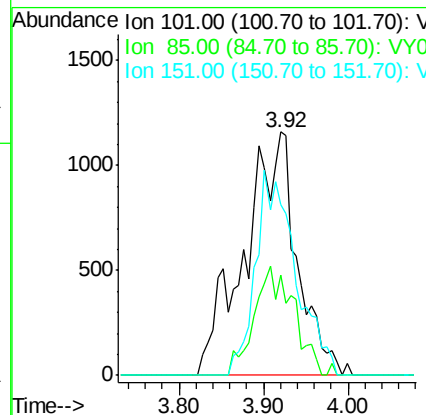
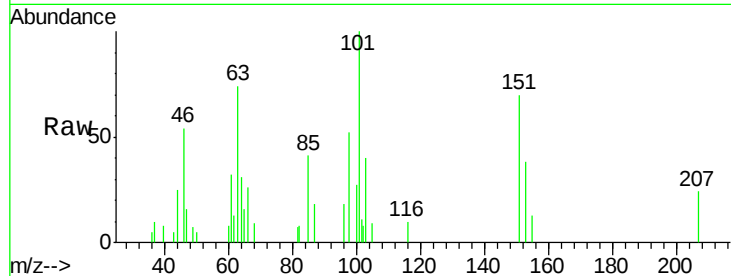
ClientSampleId :

MDL03

Tot Ion:	101	Resp:	4969
Ion Ratio	Lower	Upper	
101	100		
85	6.4	35.0	52.4#
151	0.0	65.4	98.0#

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#12

1,1-Dichloroethene

Concen: 1.609 ug/L

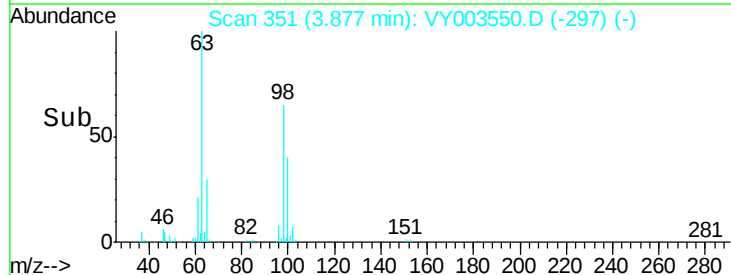
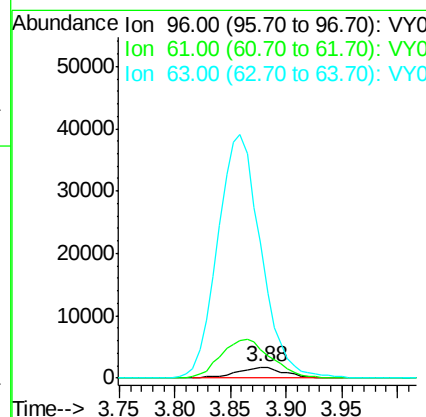
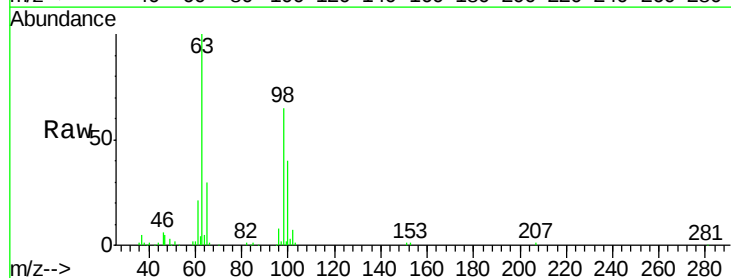
RT: 3.88 min Scan# 351

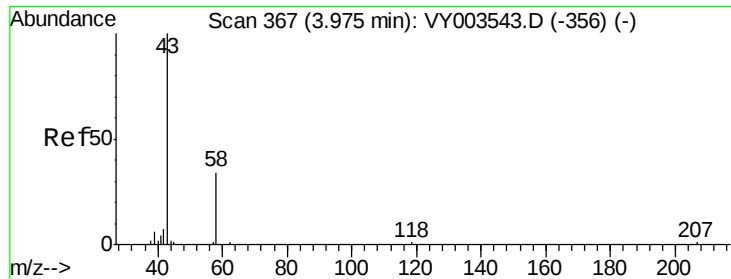
Delta R.T. -0.00 min

Lab File: VY003550.D

Acq: 19 Nov 2020 16:12

Tgt Ion:	96	Resp:	5174
Ion Ratio	Lower	Upper	
96	100		
61	250.7	116.6	216.6#
63	1209.6	77.5	143.9#





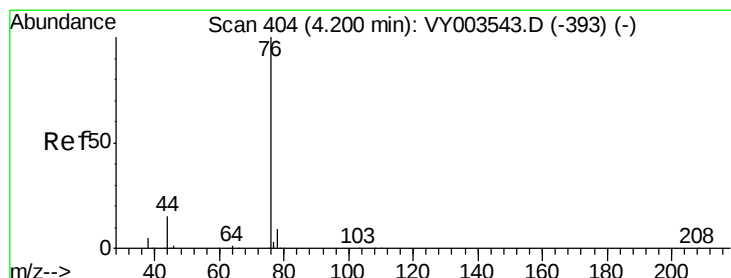
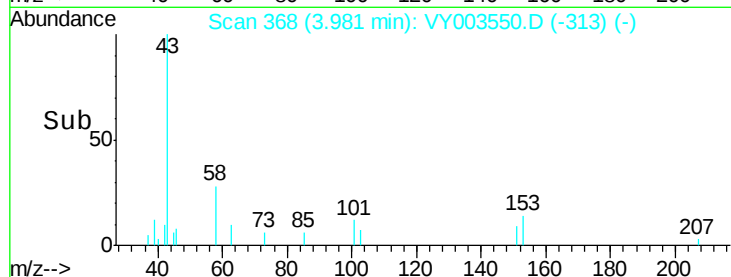
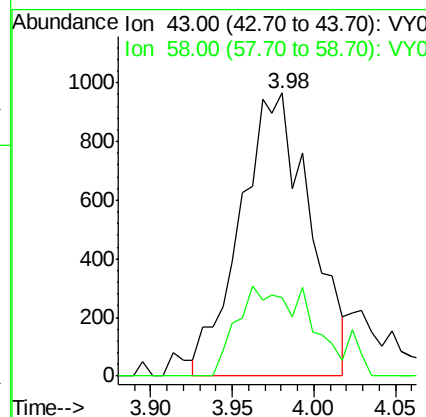
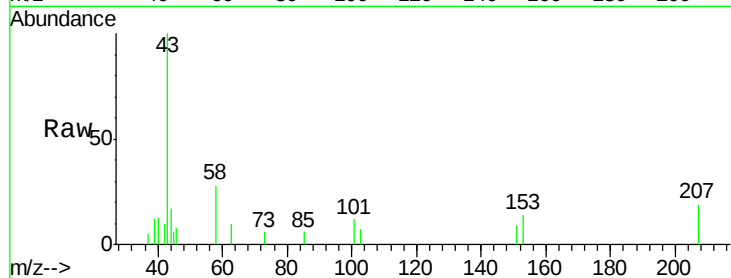
#13
Acetone
Concen: 3.082 ug/L
RT: 3.98 min Scan# 368
Delta R.T. 0.01 min
Lab File: VY003550.D
Acq: 19 Nov 2020 16:12

Instrument :
MSVOA_Y
ClientSampled :
MDL03

Tot Ion: 43 Resp: 2855
Ion Ratio Lower Upper
43 100
58 9.7 0.0 66.2

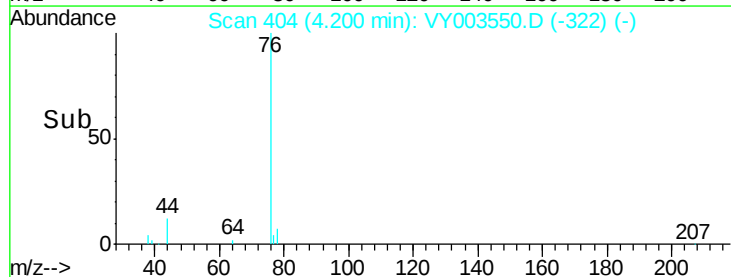
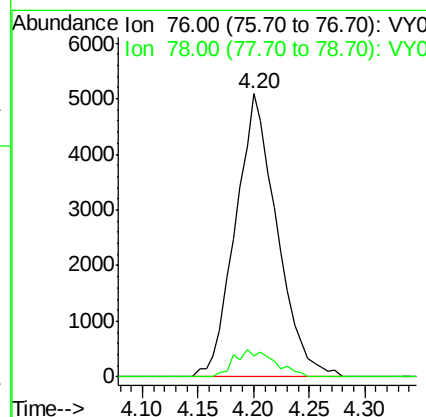
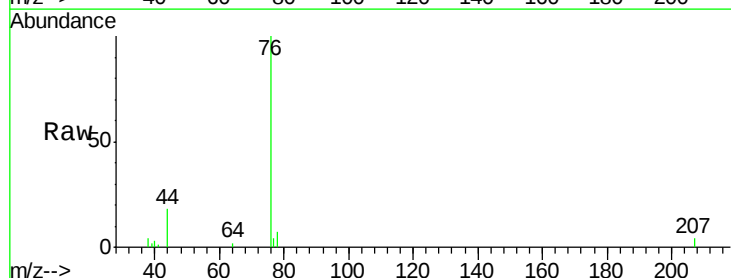
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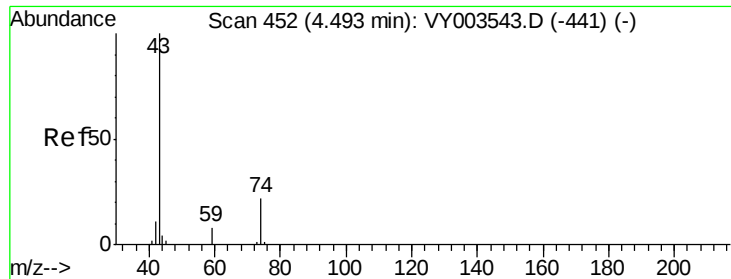
MMDadoda
11/20/2020 10:22:48 AM



#14
Carbon disulfide
Concen: 1.238 ug/L
RT: 4.20 min Scan# 404
Delta R.T. -0.00 min
Lab File: VY003550.D
Acq: 19 Nov 2020 16:12

Tgt Ion: 76 Resp: 13192
Ion Ratio Lower Upper
76 100
78 7.3 7.4 11.0#





#15

Methyl Acetate

Concen: 1.326 ug/L

RT: 4.49 min Scan# 452

Delta R.T. -0.00 min

Lab File: VY003550.D

Acq: 19 Nov 2020 16:12

Instrument :

MSVOA_Y

ClientSampled :

MDL03

Tot Ion: 43 Resp: 3119

Ion Ratio Lower Upper

43 100

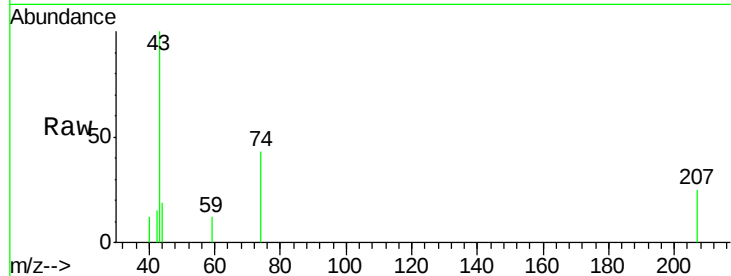
74 15.4 18.2 27.2#

Manual Integrations

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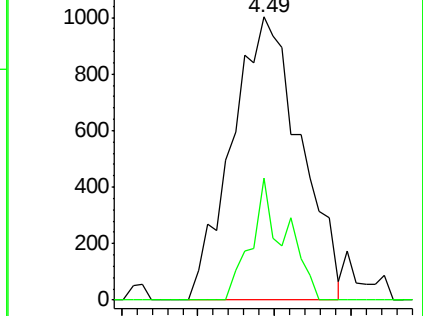
MMDadoda

11/20/2020 10:22:48 AM

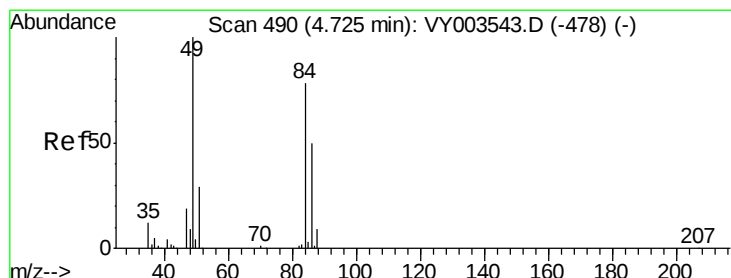
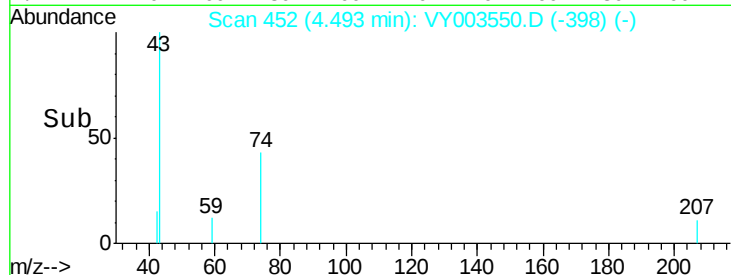


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0



Time-->



#16

Methylene chloride

Concen: 3.017 ug/L

RT: 4.72 min Scan# 490

Delta R.T. -0.00 min

Lab File: VY003550.D

Acq: 19 Nov 2020 16:12

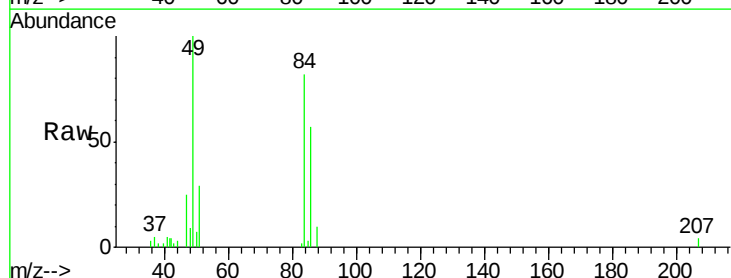
Tgt Ion: 84 Resp: 12011

Ion Ratio Lower Upper

84 100

49 122.6 90.3 167.7

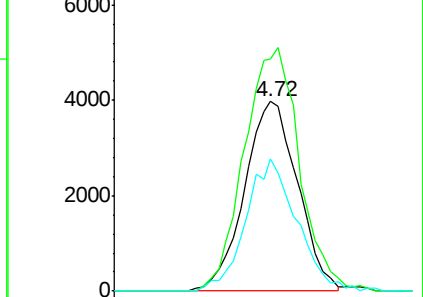
86 69.6 44.7 83.1



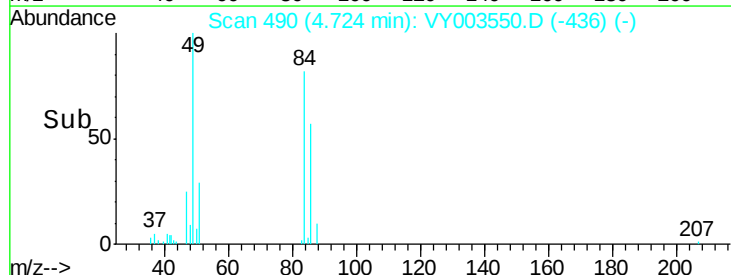
Abundance Ion 84.00 (83.70 to 84.70): VY0

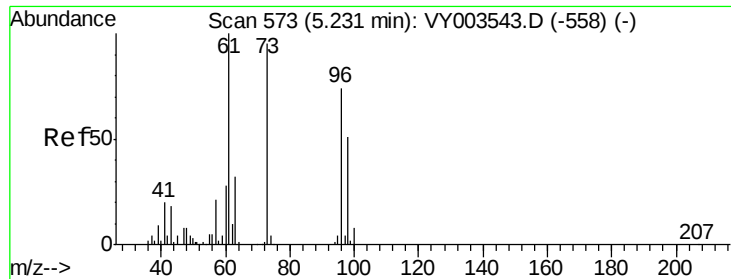
Ion 49.00 (48.70 to 49.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



Time-->





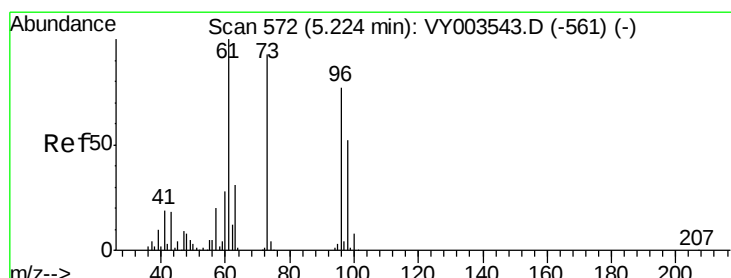
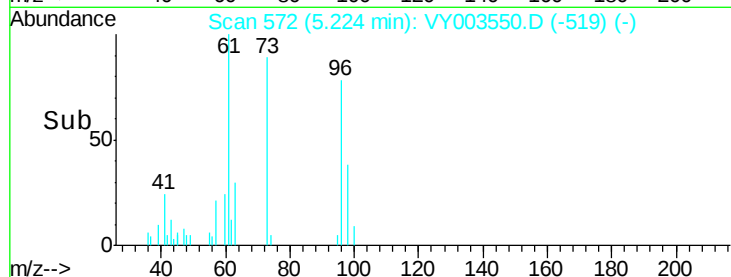
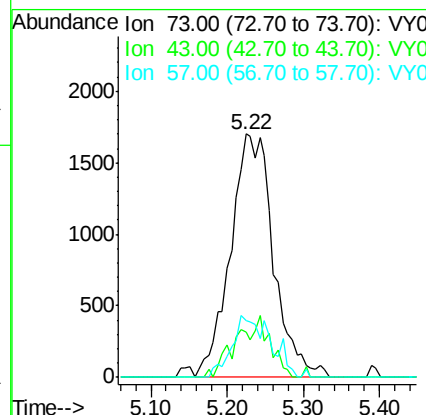
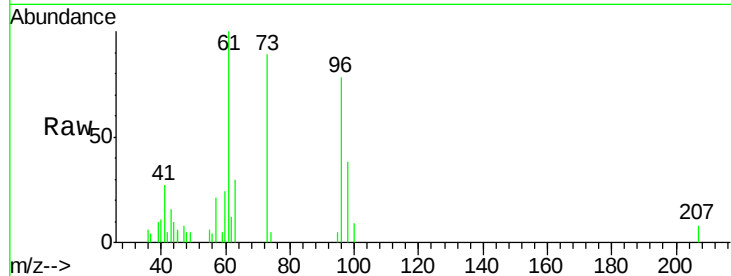
#17
Methvl tert-butvl Ether
Concen: 1.323 ug/L m
RT: 5.22 min Scan# 572
Delta R.T. -0.01 min
Lab File: VY003550.D
Acq: 19 Nov 2020 16:12

Instrument :
MSVOA_Y
ClientSampled :
MDL03

Tot Ion	Ratio	Lower	Upper
73	100		
43	6.6	15.9	23.9#
57	13.6	10.5	15.7

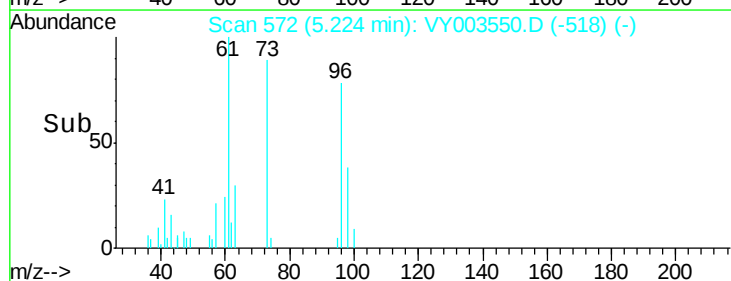
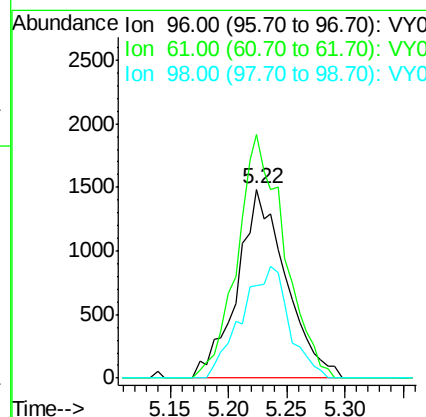
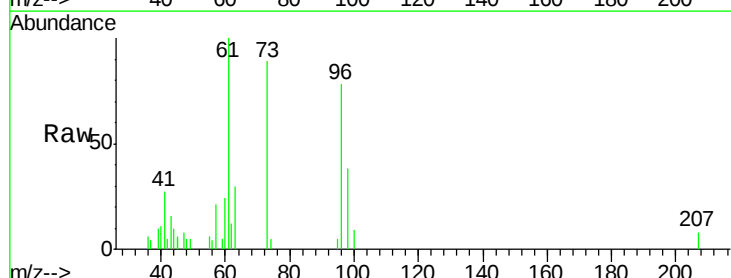
Manual Integrations
APPROVED

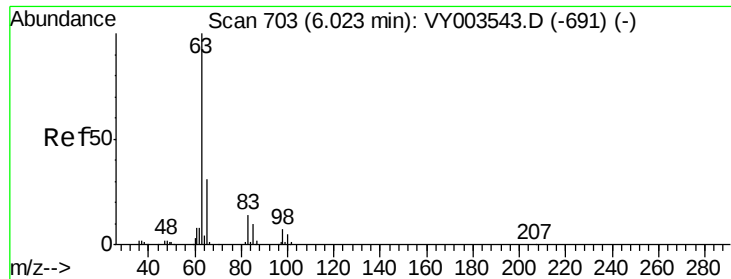
MMDadoda
11/20/2020 10:22:48 AM



#18
trans-1,2-Dichloroethene
Concen: 1.279 ug/L
RT: 5.22 min Scan# 572
Delta R.T. -0.00 min
Lab File: VY003550.D
Acq: 19 Nov 2020 16:12

Tgt Ion	Ratio	Lower	Upper
96	100		
61	128.9	90.8	168.6
98	49.2	46.8	87.0





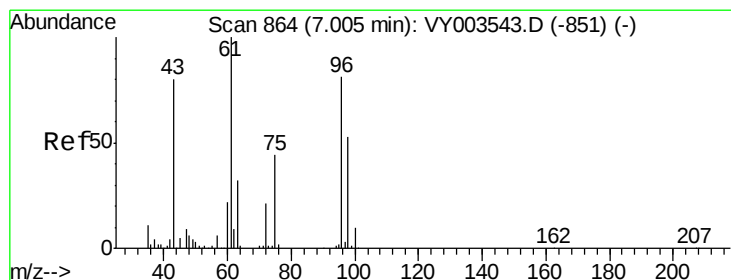
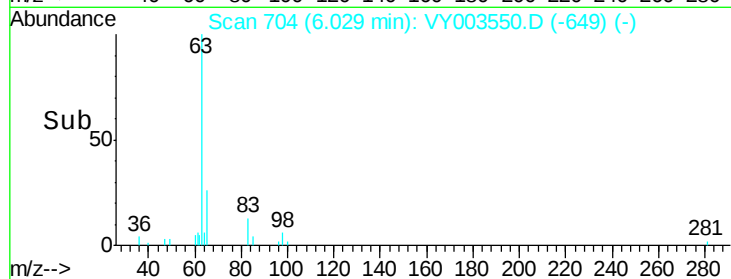
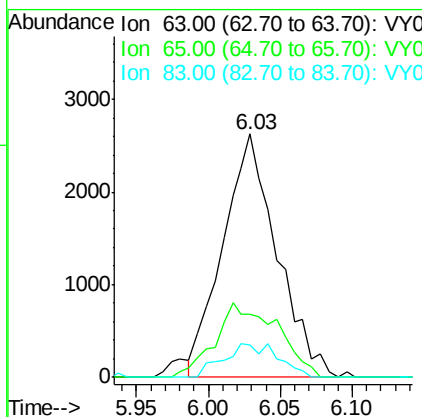
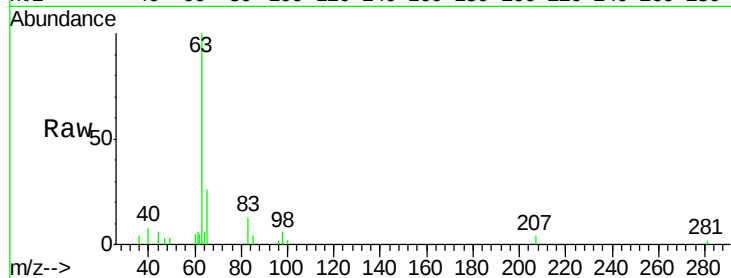
#19
 1,1-Dichloroethane
 Concen: 1.198 ug/L
 RT: 6.03 min Scan# 704
 Delta R.T. 0.01 min
 Lab File: VY003550.D
 Acq: 19 Nov 2020 16:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL03

Tot Ion	Ratio	Lower	Upper
63	100		
65	26.0	22.0	40.8
83	13.2	9.9	18.5

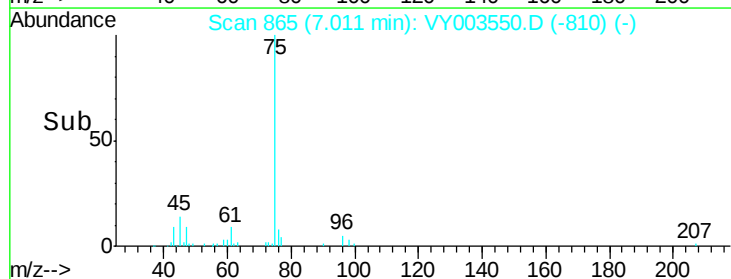
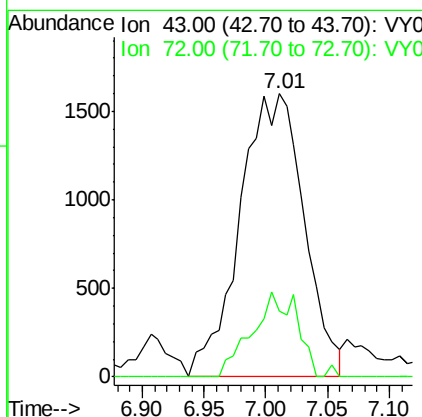
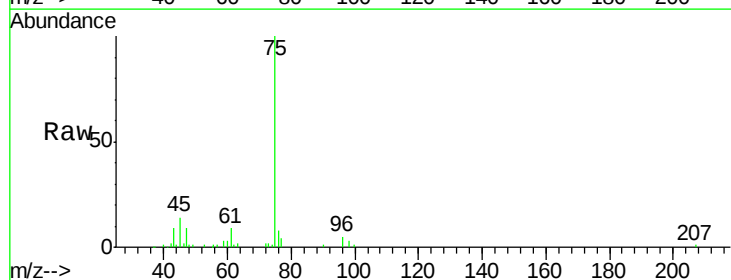
Manual Integrations
 APPROVED

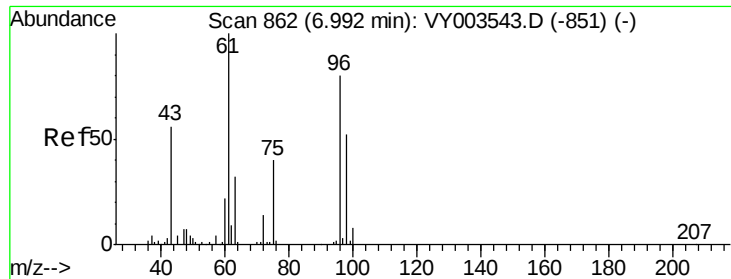
MMDadoda
 11/20/2020 10:22:48 AM



#21
 2-Butanone
 Concen: 3.700 ug/L m
 RT: 7.01 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VY003550.D
 Acq: 19 Nov 2020 16:12

Tgt Ion	Ratio	Lower	Upper
43	100		
72	15.6	13.2	39.6





#22

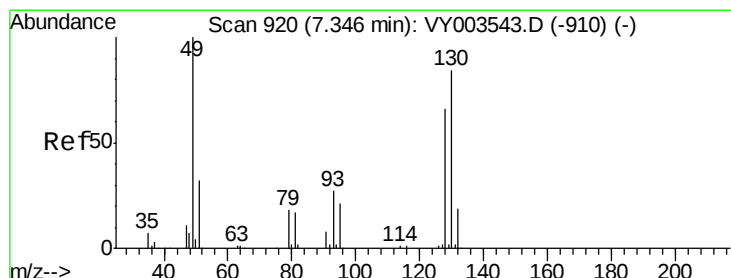
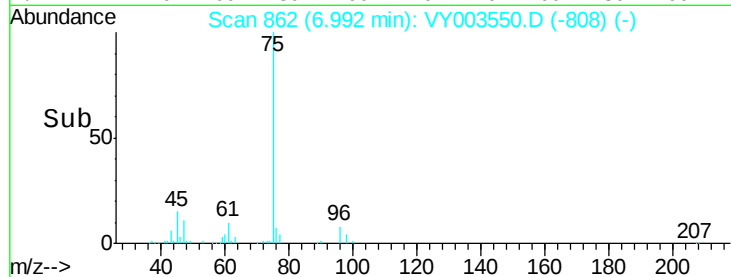
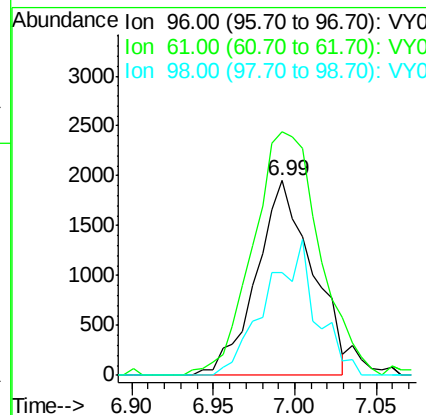
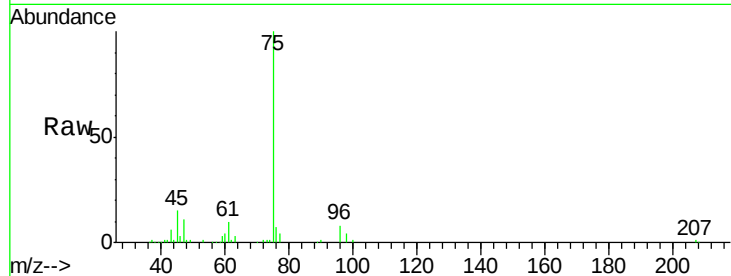
cis-1,2-Dichloroethene
Concen: 1.333 ug/L
RT: 6.99 min Scan# 862
Delta R.T. -0.00 min
Lab File: VY003550.D
Acq: 19 Nov 2020 16:12

Instrument :
MSVOA_Y
ClientSampleId :
MDL03

Tot Ion	Ratio	Lower	Upper
96	100		
61	125.2	88.1	163.5
98	52.7	45.6	84.6

Manual Integrations
APPROVED

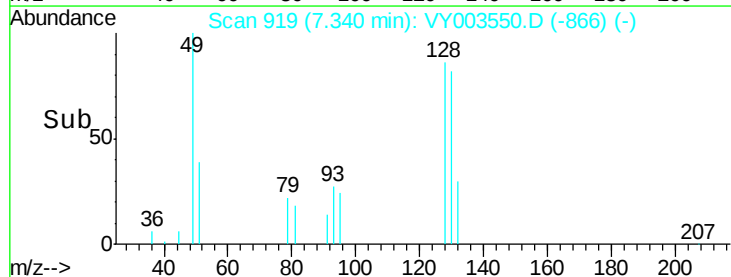
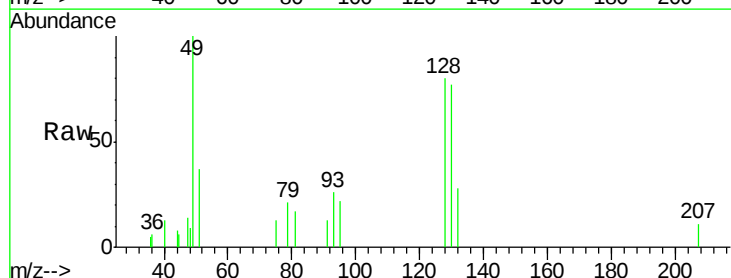
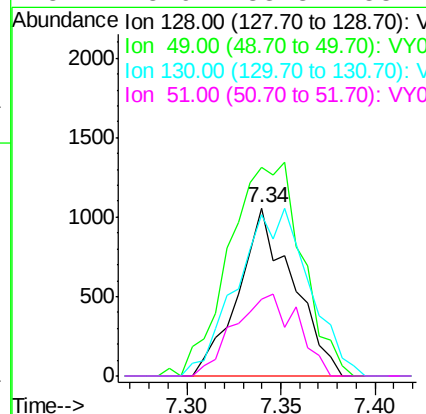
MMDadoda
11/20/2020 10:22:48 AM

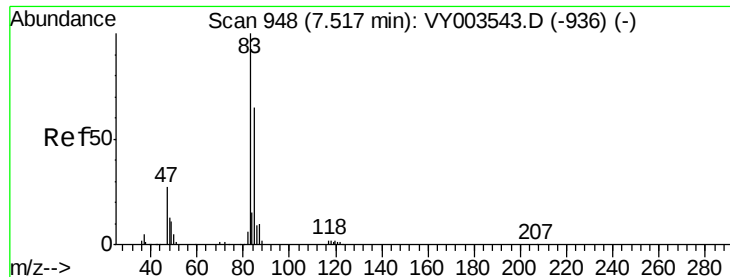


#23

Bromochloromethane
Concen: 1.260 ug/L
RT: 7.34 min Scan# 919
Delta R.T. -0.01 min
Lab File: VY003550.D
Acq: 19 Nov 2020 16:12

Tgt Ion	Ratio	Lower	Upper
128	100		
49	124.2	107.3	199.3
130	95.9	89.3	165.9
51	45.9	38.8	58.2





#25

Chloroform

Concen: 1.361 ug/L m

RT: 7.52 min Scan# 948

Delta R.T. -0.00 min

Lab File: VY003550.D

Acq: 19 Nov 2020 16:12

Instrument :

MSVOA_Y

ClientSampleId :

MDL03

Tot Ion: 83 Resp: 7744

Ion Ratio Lower Upper

83 100

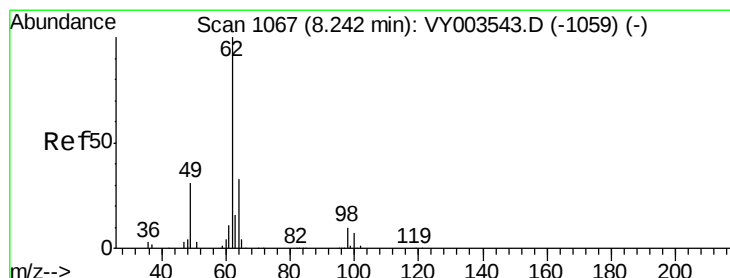
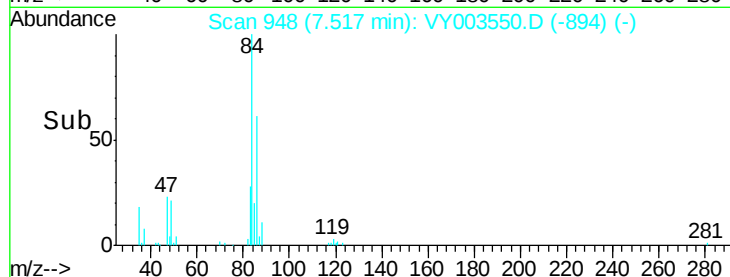
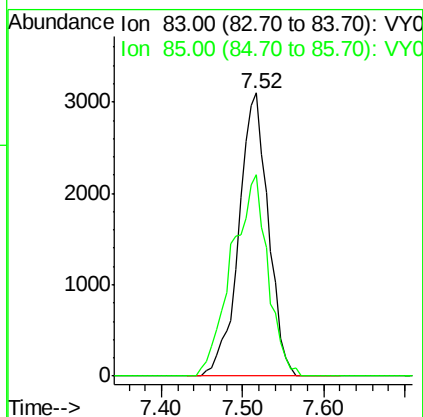
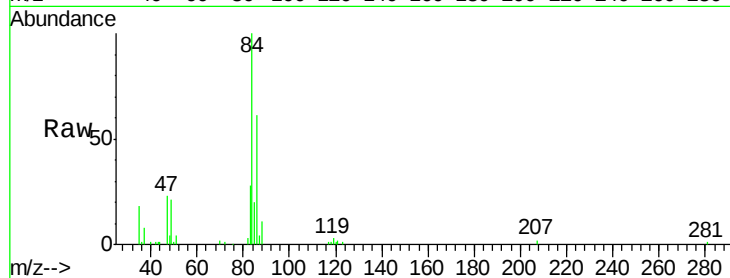
85 2.0 46.2 85.8#

Manual Integrations

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MMDadoda

11/20/2020 10:22:48 AM



#27

1,2-Dichloroethane

Concen: 1.349 ug/L

RT: 8.25 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VY003550.D

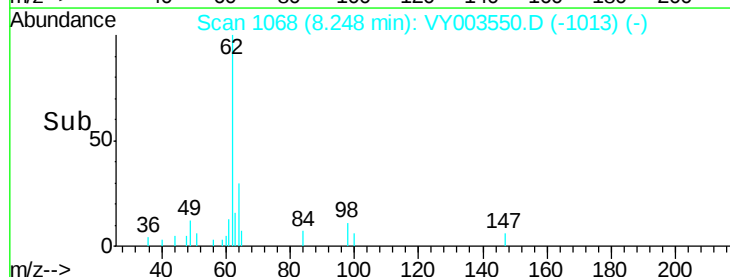
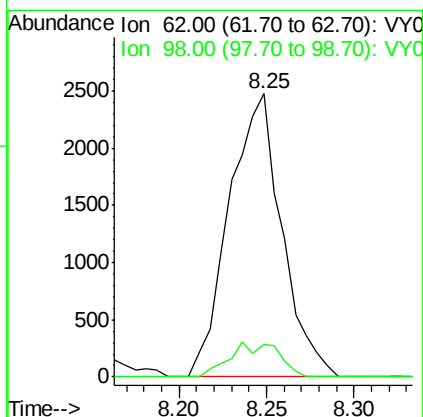
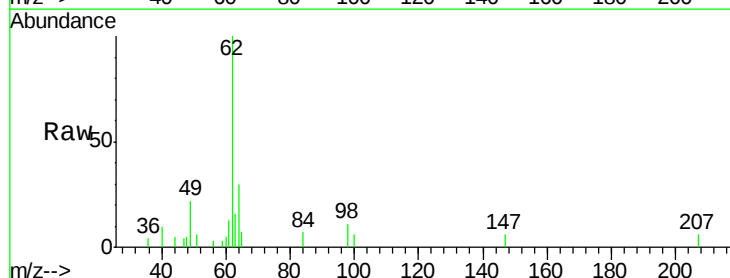
Acq: 19 Nov 2020 16:12

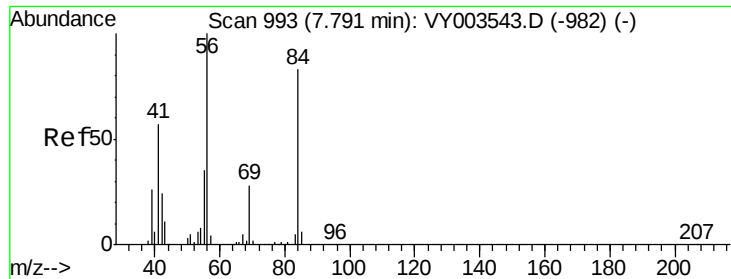
Tgt Ion: 62 Resp: 5185

Ion Ratio Lower Upper

62 100

98 11.3 7.7 11.5





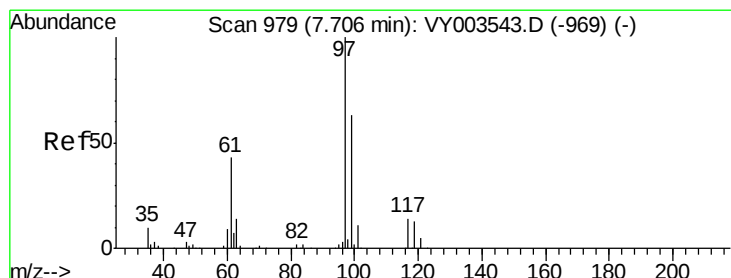
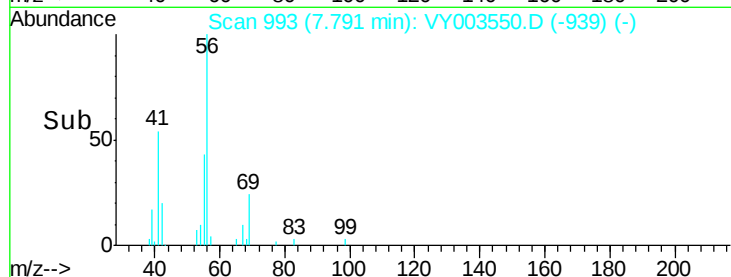
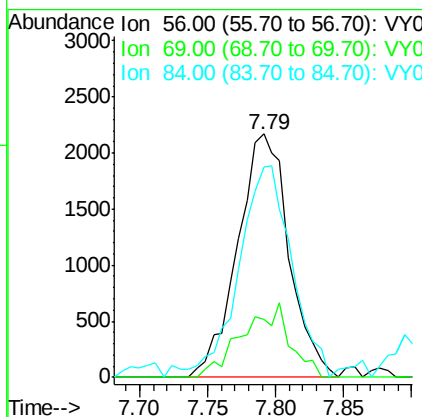
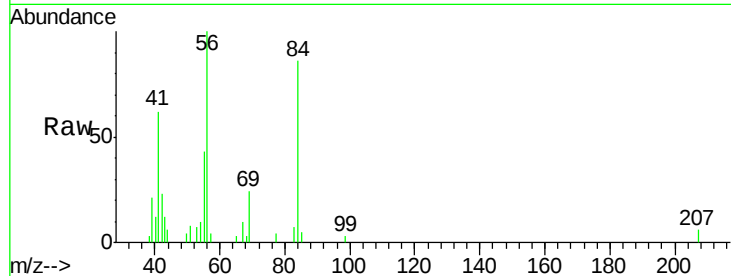
#30
Cyclohexane
Concen: 1.148 ug/L
RT: 7.79 min Scan# 993
Delta R.T. -0.00 min
Lab File: VY003550.D
Acq: 19 Nov 2020 16:12

Instrument :
MSVOA_Y
ClientSampled :
MDL03

Tot Ion	Ratio	Lower	Upper
56	100		
69	9.4	23.3	34.9#
84	89.0	69.9	104.9

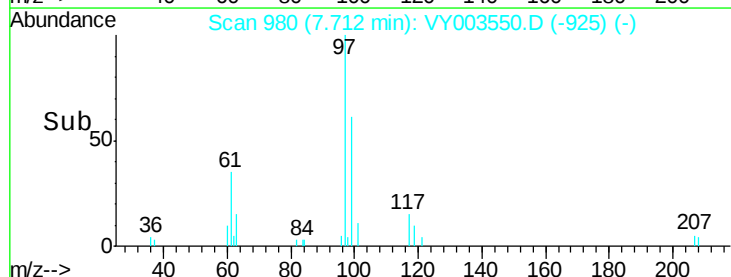
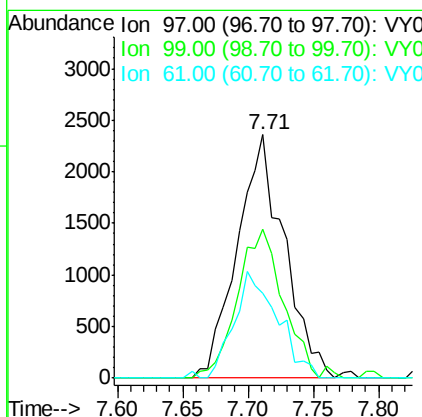
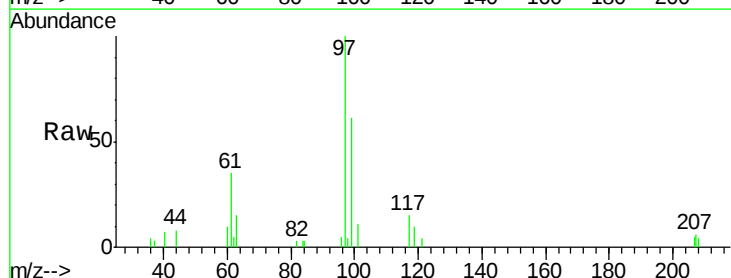
Manual Integrations
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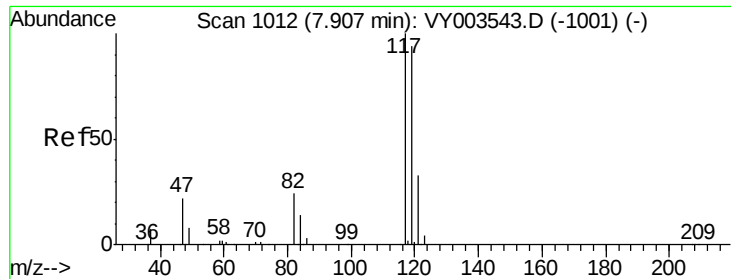
MMDadoda
11/20/2020 10:22:48 AM



#31
1,1,1-Trichloroethane
Concen: 1.323 ug/L m
RT: 7.71 min Scan# 980
Delta R.T. 0.01 min
Lab File: VY003550.D
Acq: 19 Nov 2020 16:12

Tgt Ion	Ratio	Lower	Upper
97	100		
99	58.9	52.1	78.1
61	38.5	34.9	52.3





#32

Carbon tetrachloride

Concen: 1.195 ug/L

RT: 7.91 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VY003550.D

Acq: 19 Nov 2020 16:12

Instrument :

MSVOA_Y

ClientSampleId :

MDL03

Tot Ion:117 Resp: 5083

Ion Ratio Lower Upper

117 100

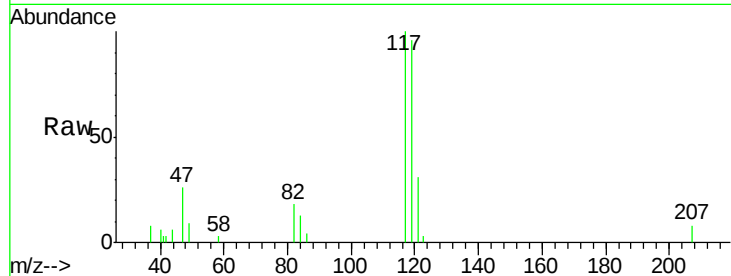
119 92.0 76.2 114.4

Manual Integrations

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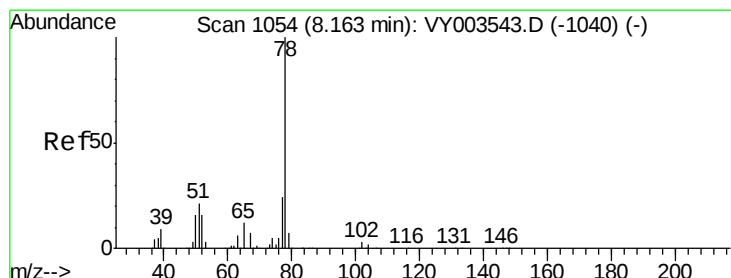
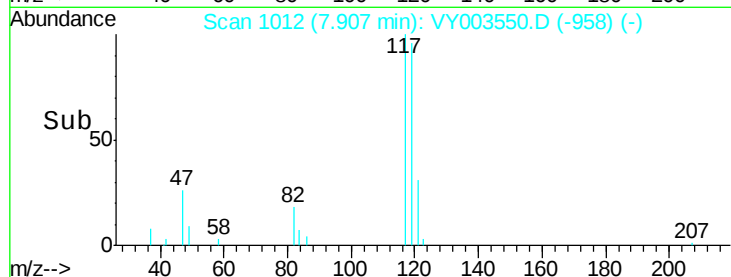
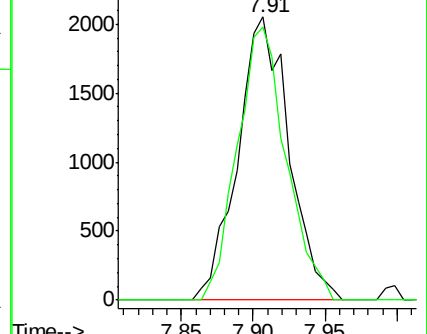
MMDadoda

11/20/2020 10:22:48 AM



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 1.272 ug/L

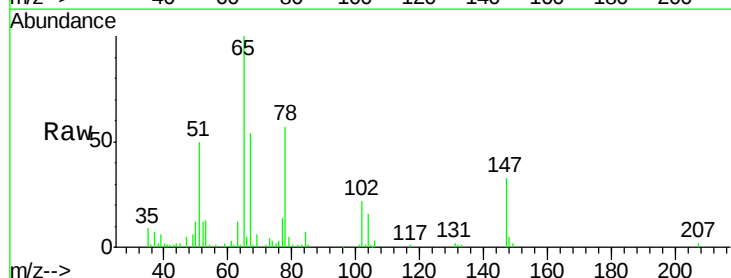
RT: 8.17 min Scan# 1055

Delta R.T. 0.01 min

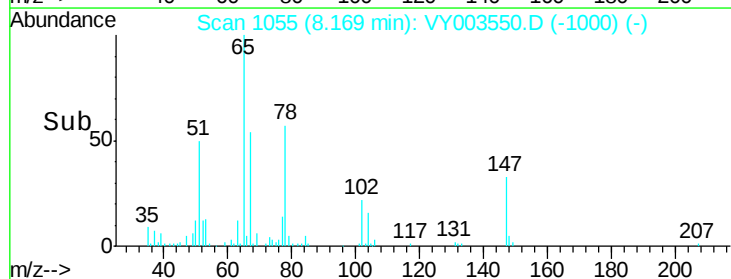
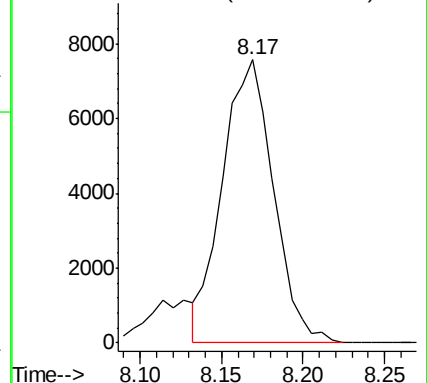
Lab File: VY003550.D

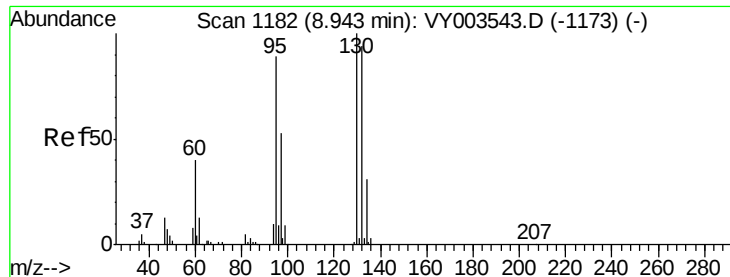
Acq: 19 Nov 2020 16:12

Tgt Ion: 78 Resp: 16506



Abundance Ion 78.00 (77.70 to 78.70): VY0





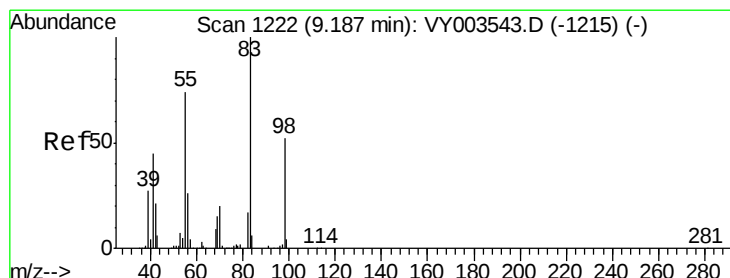
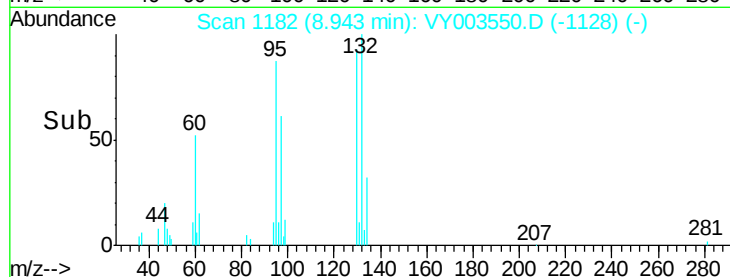
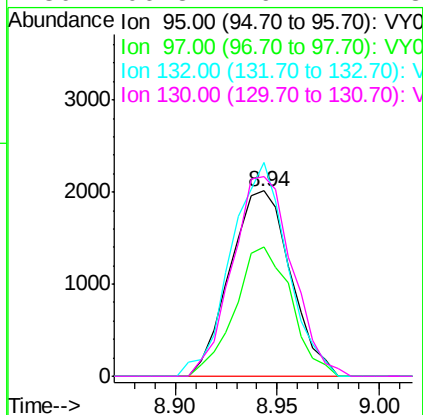
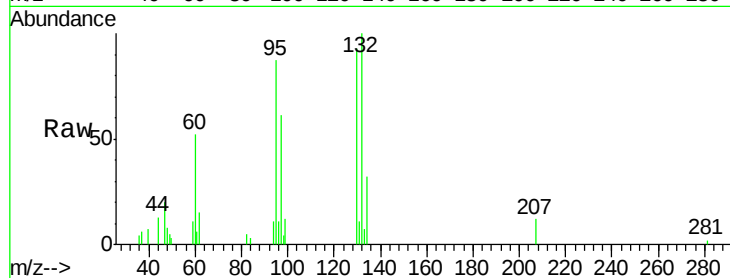
#35
 Trichloroethene
 Concen: 1.262 ug/L
 RT: 8.94 min Scan# 1182
 Delta R.T. -0.00 min
 Lab File: VY003550.D
 Acq: 19 Nov 2020 16:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL03

Tot Ion:	95	Resp:	4147
Ion	Ratio	Lower	Upper
95	100		
97	64.7	44.5	82.7
132	107.6	73.1	135.7
130	106.8	76.1	141.3

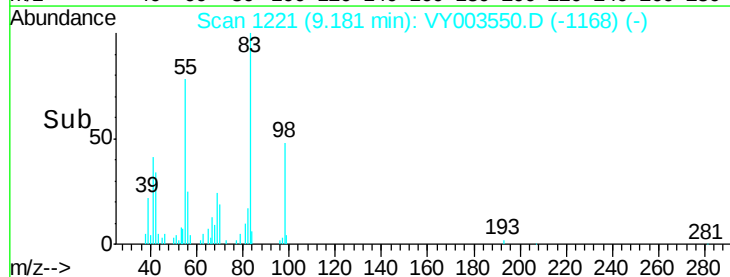
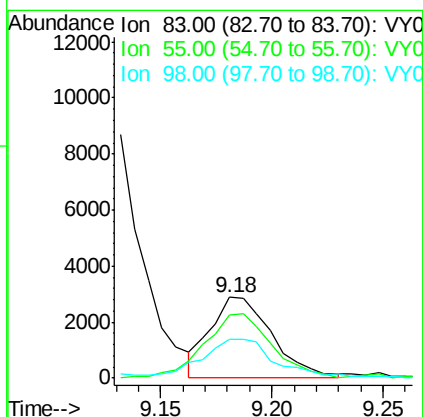
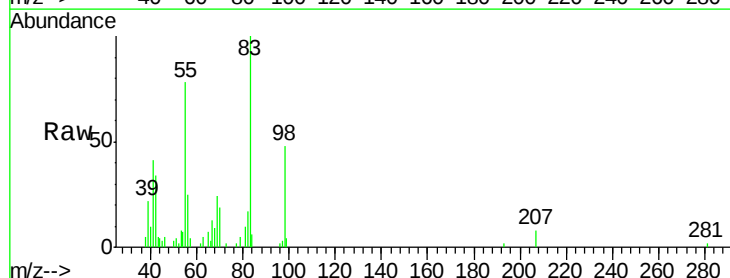
Manual Integrations
 APPROVED

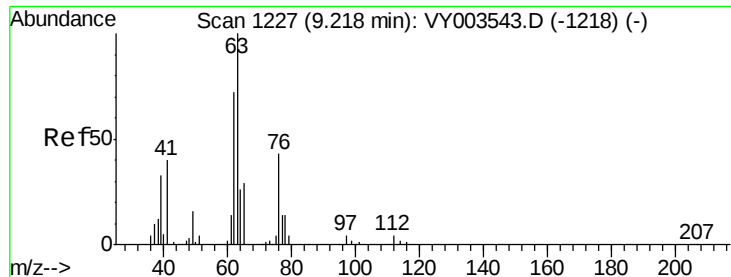
MMDadoda
 11/20/2020 10:22:48 AM



#36
 Methylcyclohexane
 Concen: 1.079 ug/L
 RT: 9.18 min Scan# 1221
 Delta R.T. -0.01 min
 Lab File: VY003550.D
 Acq: 19 Nov 2020 16:12

Tgt Ion:	83	Resp:	5543
Ion	Ratio	Lower	Upper
83	100		
55	86.8	60.8	91.2
98	57.4	40.6	61.0





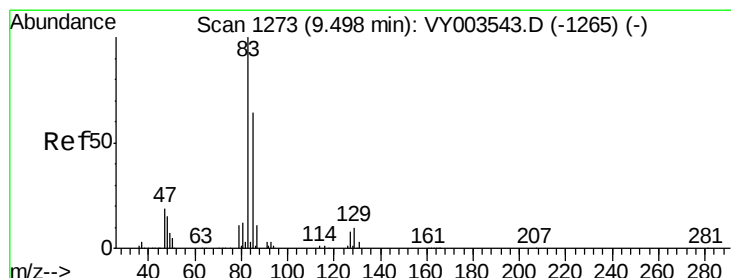
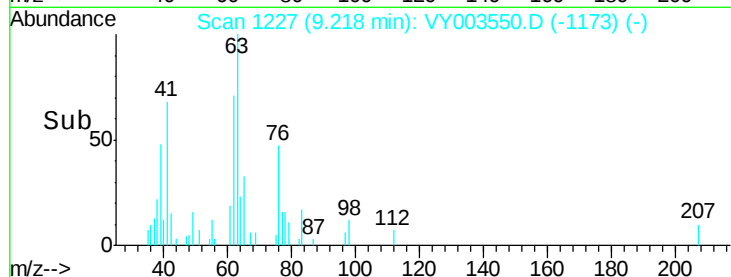
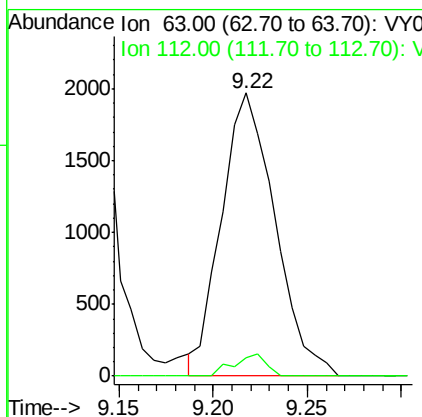
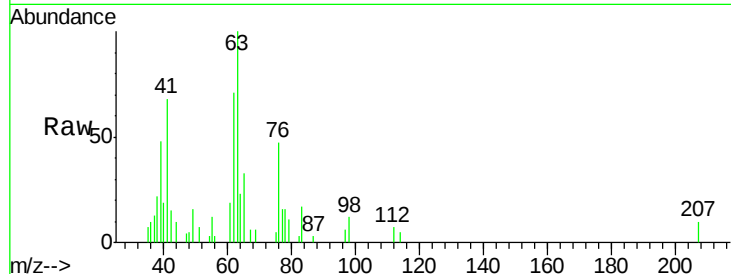
#40
 1,2-Dichloropropane
 Concen: 1.217 ug/L
 RT: 9.22 min Scan# 1227
 Delta R.T. -0.00 min
 Lab File: VY003550.D
 Acq: 19 Nov 2020 16:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL03

Tot Ion: 63 Resp: 3894
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.5 5.3

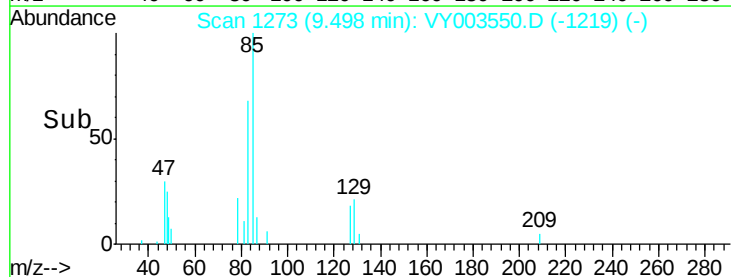
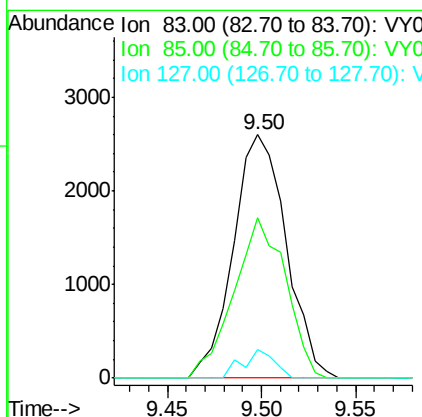
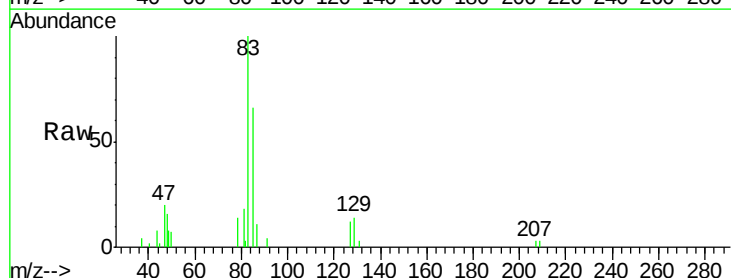
Manual Integrations
 APPROVED

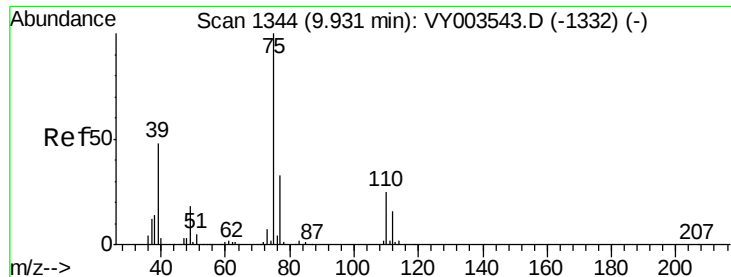
MMDadoda
 11/20/2020 10:22:48 AM



#41
 Bromodichloromethane
 Concen: 1.238 ug/L
 RT: 9.50 min Scan# 1273
 Delta R.T. -0.00 min
 Lab File: VY003550.D
 Acq: 19 Nov 2020 16:12

Tgt Ion: 83 Resp: 5053
 Ion Ratio Lower Upper
 83 100
 85 66.1 45.1 83.7
 127 11.6 6.8 10.2#





#42

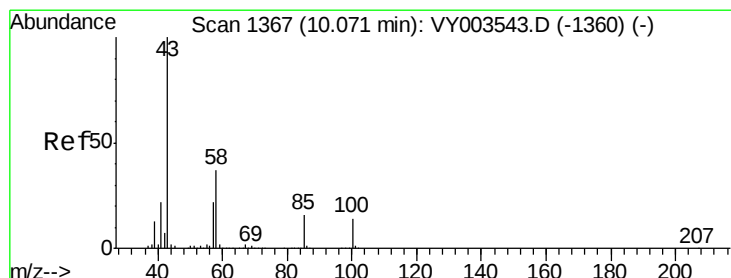
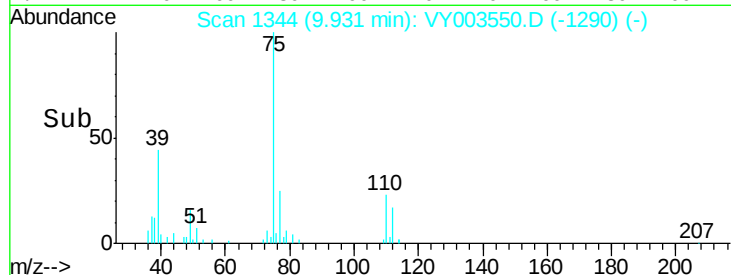
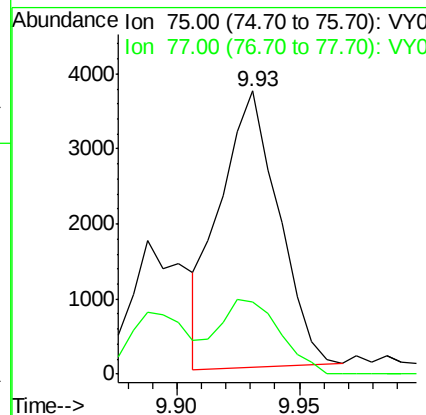
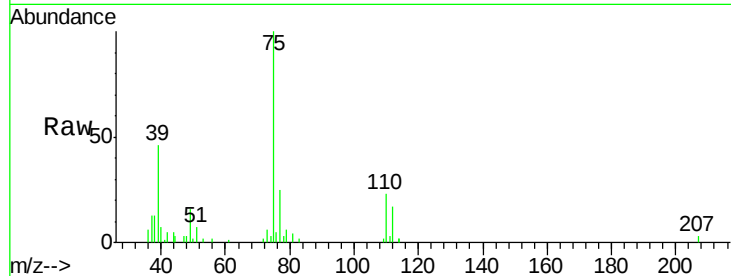
cis-1,3-Dichloropropene
Concen: 1.208 ug/L
RT: 9.93 min Scan# 1344
Delta R.T. -0.00 min
Lab File: VY003550.D
Acq: 19 Nov 2020 16:12

Instrument :
MSVOA_Y
ClientSampled :
MDL03

Tot Ion: 75 Resp: 6096
Ion Ratio Lower Upper
75 100
77 25.3 23.2 43.0

Manual Integrations
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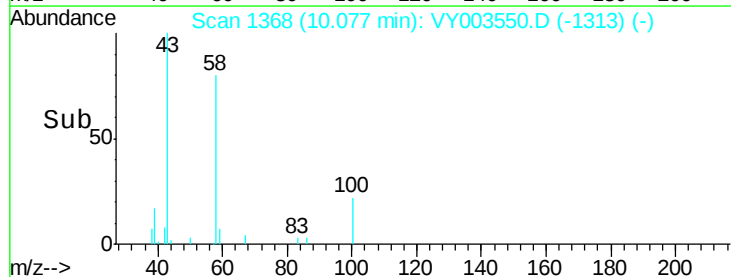
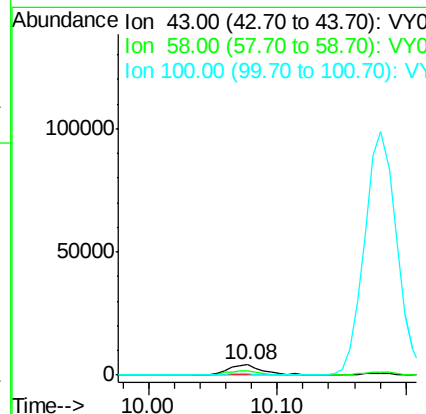
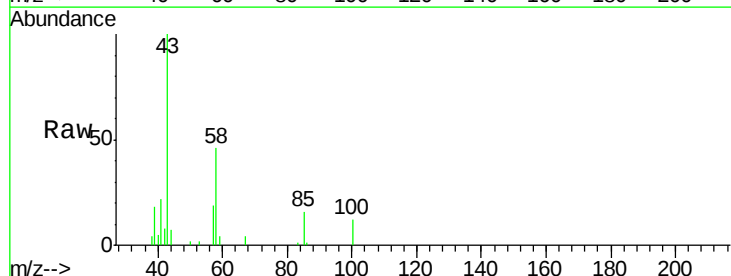
MMDadoda
11/20/2020 10:22:48 AM

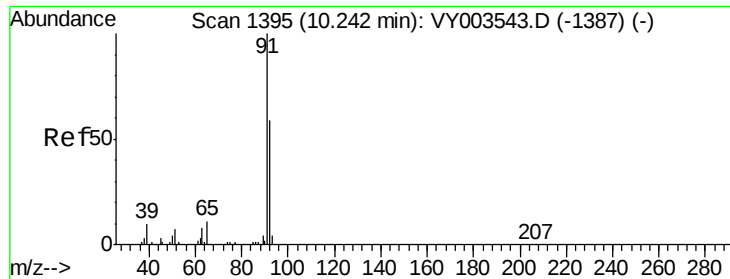


#43

4-Methyl-2-pentanone
Concen: 3.244 ug/L
RT: 10.08 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VY003550.D
Acq: 19 Nov 2020 16:12

Tgt Ion: 43 Resp: 8683
Ion Ratio Lower Upper
43 100
58 36.9 30.2 45.2
100 12.6 11.7 17.5





#44

Toluene

Concen: 1.232 ug/L

RT: 10.25 min Scan# 1396

Delta R.T. 0.01 min

Lab File: VY003550.D

Acq: 19 Nov 2020 16:12

Instrument :

MSVOA_Y

ClientSampled :

MDL03

Tot Ion: 91 Resp: 16851

Ion Ratio Lower Upper

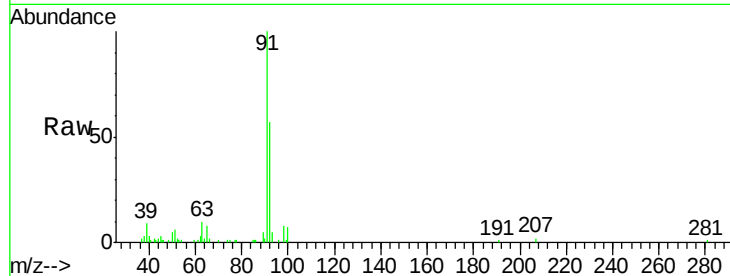
91 100

92 57.4 41.0 76.2

Manual Integrations
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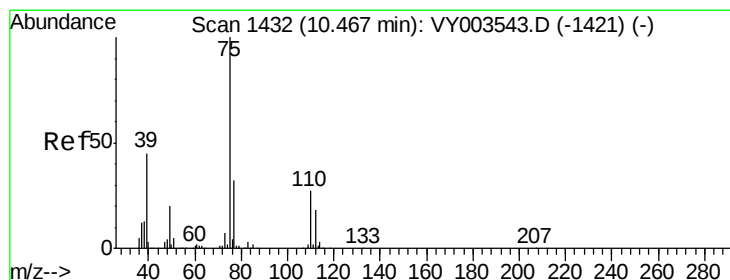
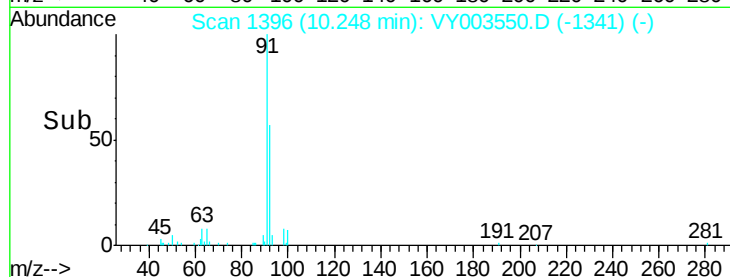
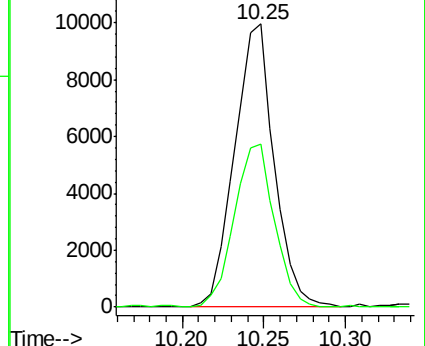
MMDadoda

11/20/2020 10:22:48 AM



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 92.00 (91.70 to 92.70): VY0



#45

trans-1,3-Dichloropropene

Concen: 1.797 ug/L

RT: 10.47 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VY003550.D

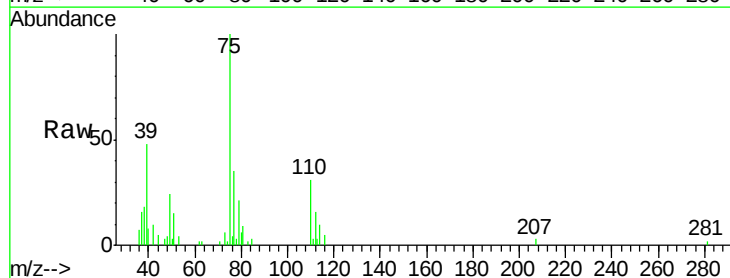
Acq: 19 Nov 2020 16:12

Tgt Ion: 75 Resp: 8350

Ion Ratio Lower Upper

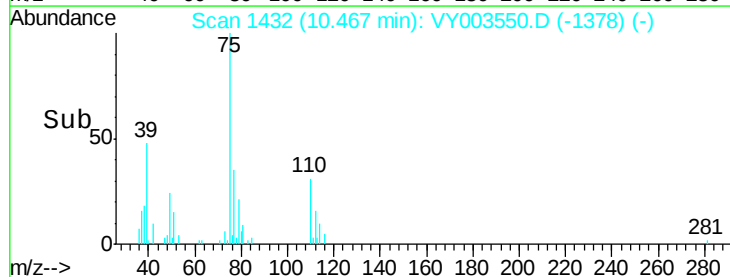
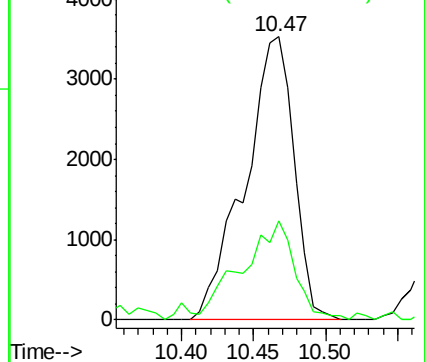
75 100

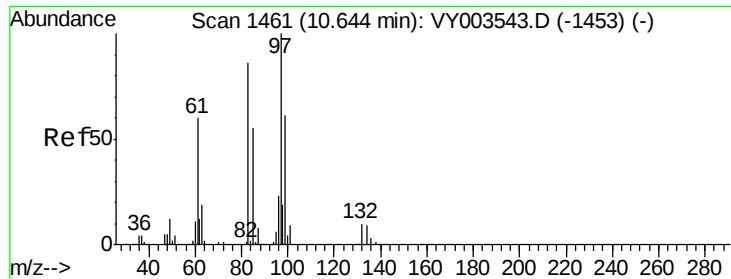
77 35.0 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 77.00 (76.70 to 77.70): VY0





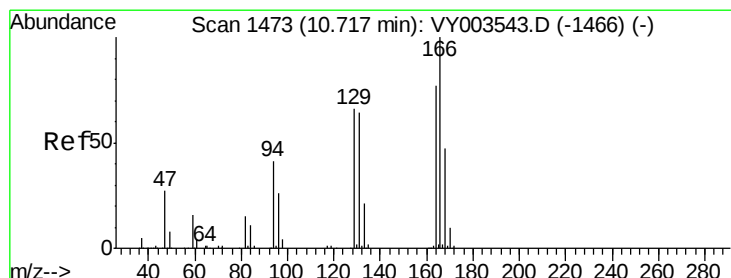
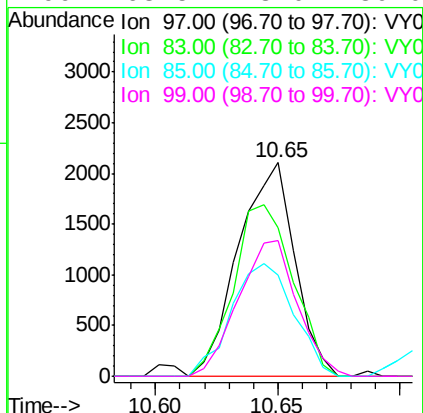
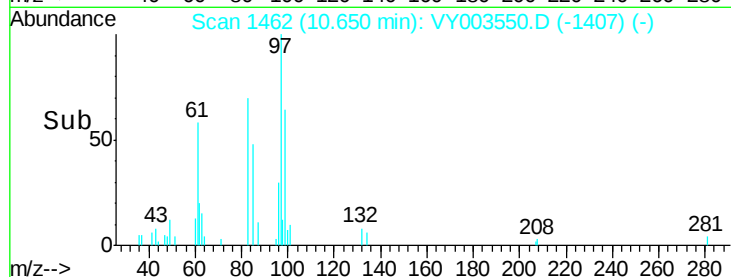
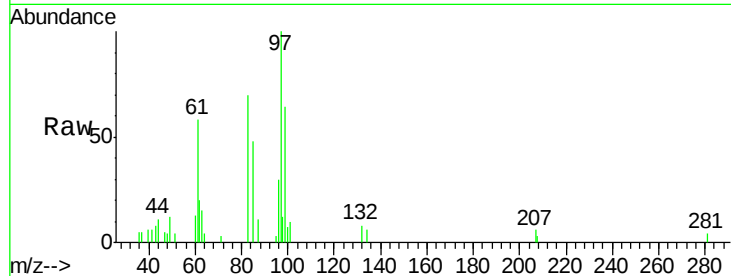
#46
1,1,2-Trichloroethane
Concen: 1.322 ug/L
RT: 10.65 min Scan# 1462
Delta R.T. 0.01 min
Lab File: VY003550.D
Acq: 19 Nov 2020 16:12

Instrument :
MSVOA_Y
ClientSampleId :
MDL03

Tot Ion	Ratio	Lower	Upper
97	100		
83	69.8	60.1	111.5
85	47.5	38.9	72.2
99	63.5	43.0	80.0

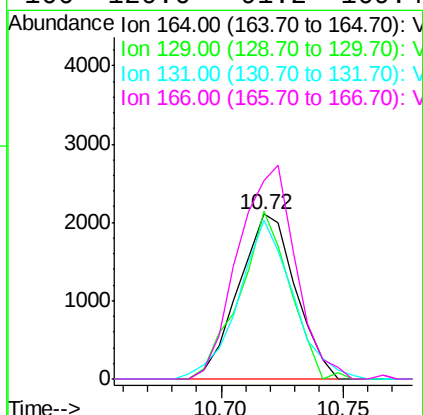
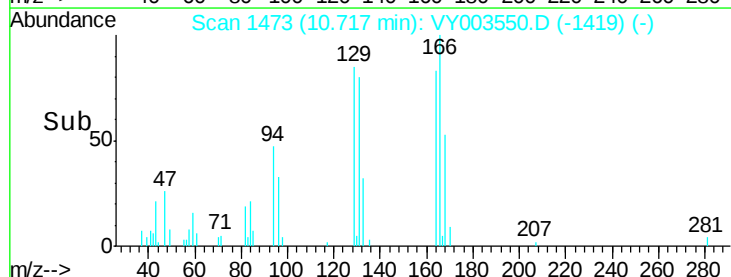
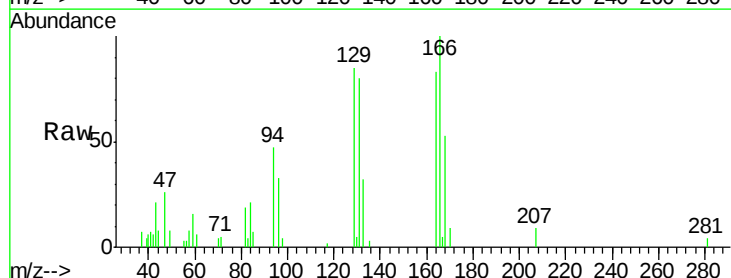
Manual Integrations
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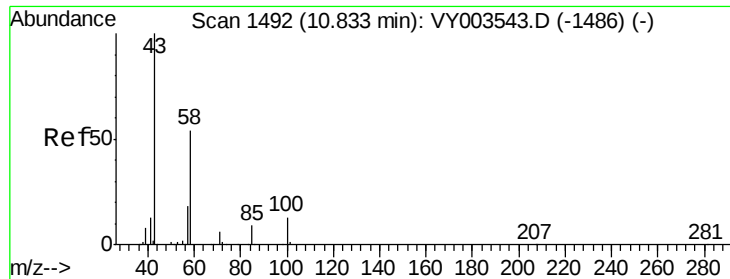
MMDadoda
11/20/2020 10:22:48 AM



#47
Tetrachloroethene
Concen: 1.199 ug/L
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY003550.D
Acq: 19 Nov 2020 16:12

Tgt Ion	Ratio	Lower	Upper
164	100		
129	102.0	60.6	112.6
131	96.3	58.7	109.1
166	120.6	91.2	169.4





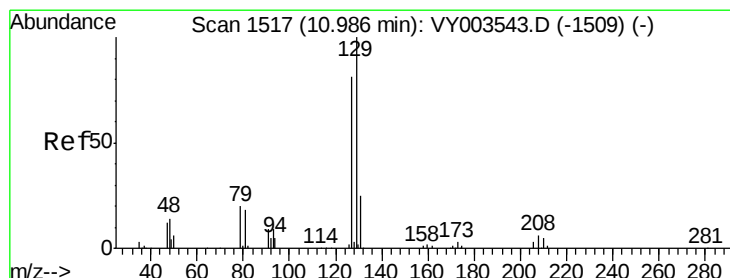
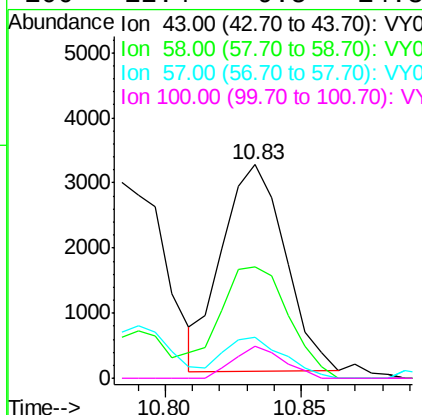
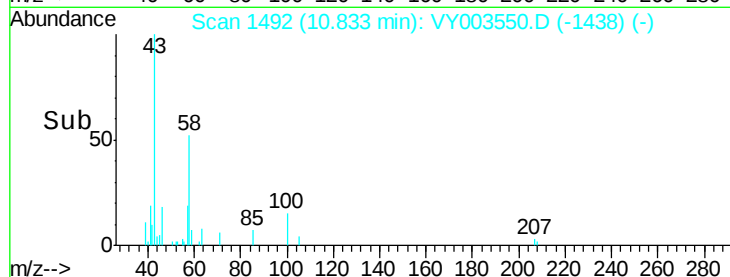
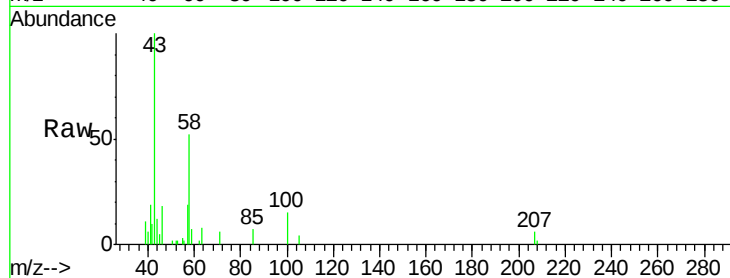
#49
2-Hexanone
Concen: 2.407 ug/L
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY003550.D
Acq: 19 Nov 2020 16:12

Instrument :
MSVOA_Y
ClientSampleId :
MDL03

Tot Ion	Ratio	Lower	Upper
43	100		
58	61.1	42.1	63.1
57	18.6	14.2	21.2
100	12.4	9.5	14.3

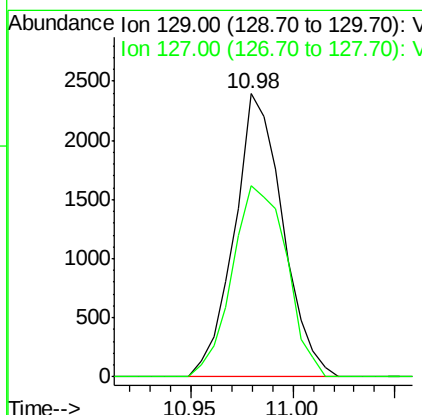
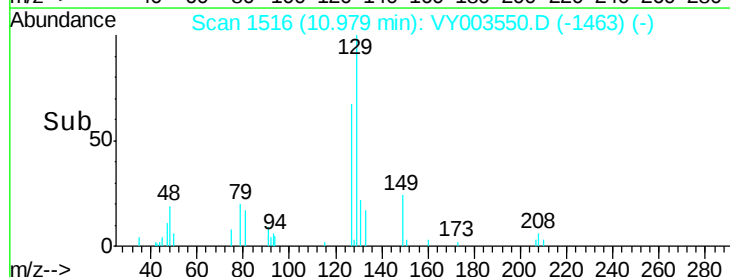
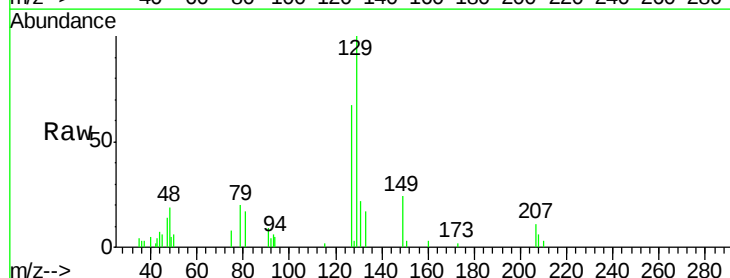
Manual Integrations
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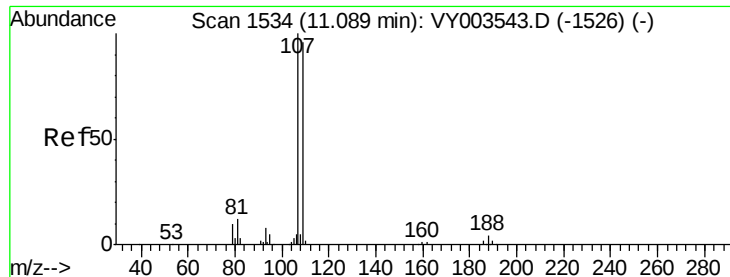
MMDadoda
11/20/2020 10:22:48 AM



#50
Dibromochloromethane
Concen: 1.284 ug/L
RT: 10.98 min Scan# 1516
Delta R.T. -0.01 min
Lab File: VY003550.D
Acq: 19 Nov 2020 16:12

Tgt Ion	Ratio	Lower	Upper
129	100		
127	67.4	56.6	105.0





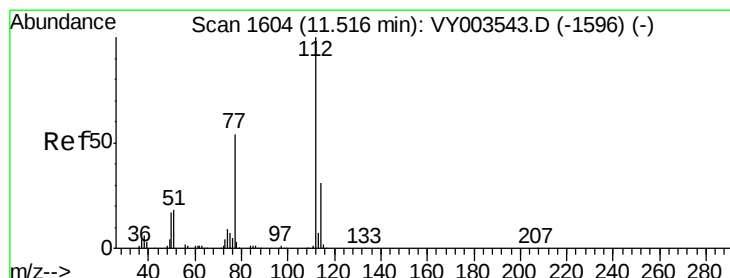
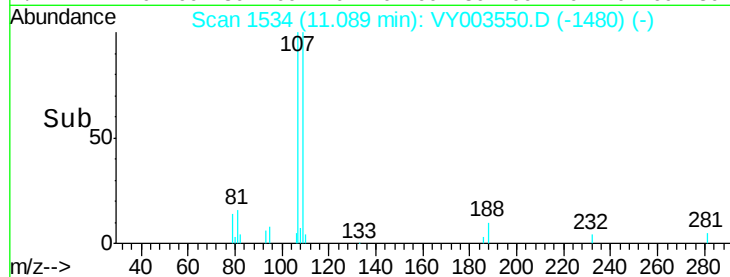
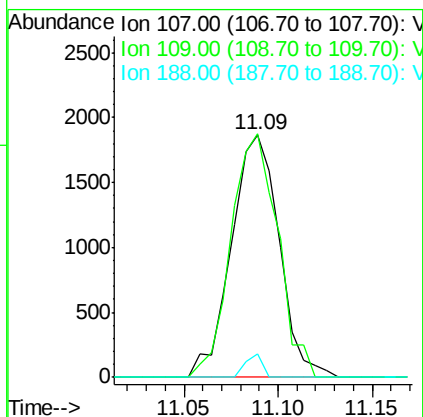
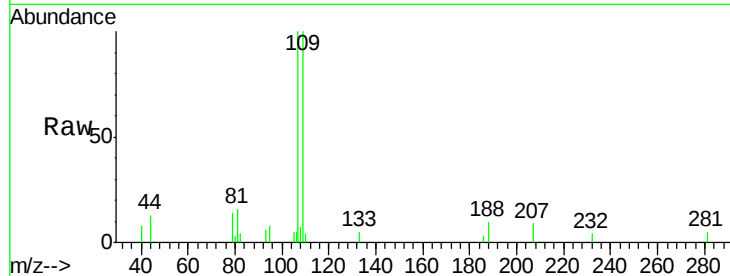
#51
1,2-Dibromoethane
Concen: 1.289 ug/L
RT: 11.09 min Scan# 1534
Delta R.T. -0.00 min
Lab File: VY003550.D
Acq: 19 Nov 2020 16:12

Instrument :
MSVOA_Y
ClientSampleId :
MDL03

Tot Ion	Ratio	Lower	Upper
107	100		
109	100.4	66.8	124.2
188	9.6	3.3	4.9#

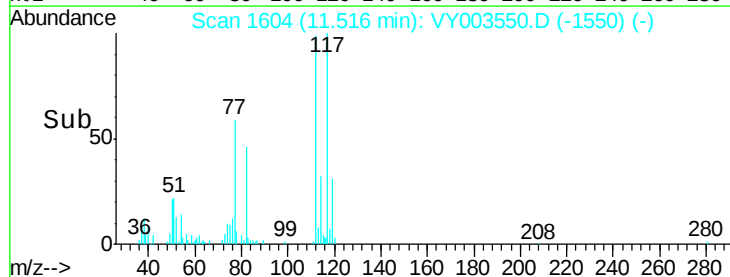
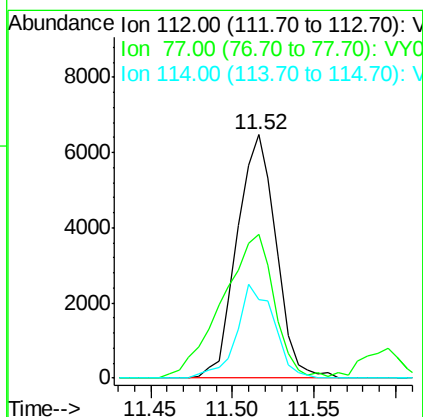
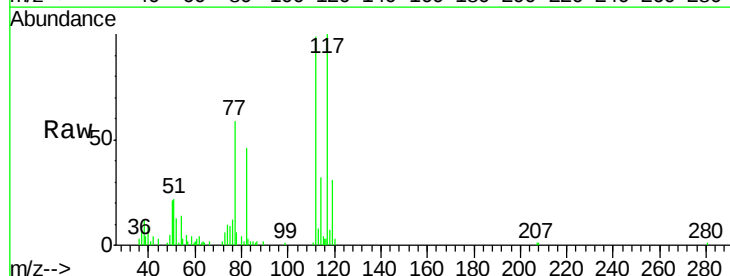
Manual Integrations
APPROVED

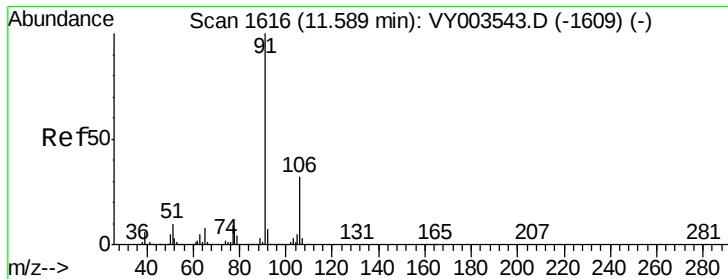
MMDadoda
11/20/2020 10:22:48 AM



#52
Chlorobenzene
Concen: 1.239 ug/L
RT: 11.52 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VY003550.D
Acq: 19 Nov 2020 16:12

Tgt Ion	Ratio	Lower	Upper
112	100		
77	59.2	43.3	64.9
114	32.0	21.9	40.7





#53

Ethylbenzene

Concen: 1.150 ug/L

RT: 11.59 min Scan# 1616

Delta R.T. -0.00 min

Lab File: VY003550.D

Acq: 19 Nov 2020 16:12

Instrument :

MSVOA_Y

ClientSampleId :

MDL03

Tot Ion: 91 Resp: 16150

Ion Ratio Lower Upper

91 100

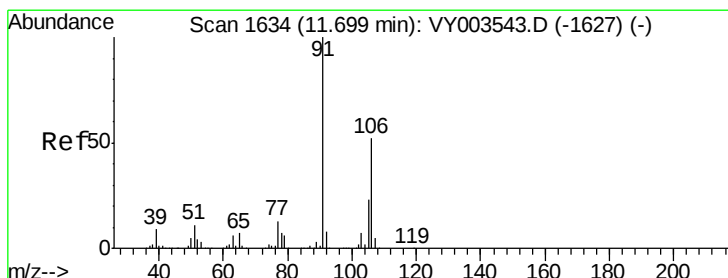
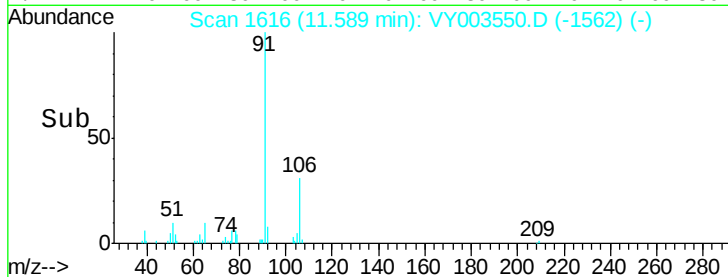
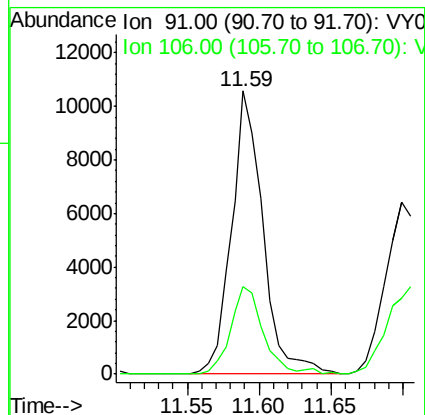
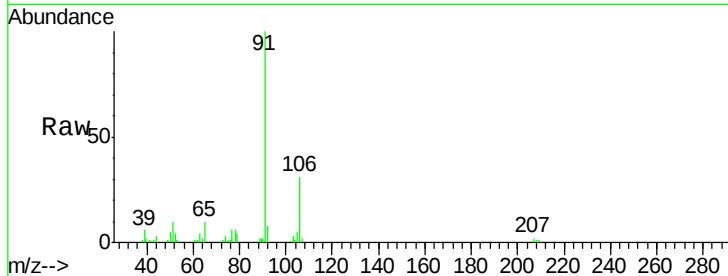
106 30.9 22.5 41.7

Manual Integrations

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11/20/2020 10:22:48 AM



#54

m,p-Xylene

Concen: 1.131 ug/L

RT: 11.70 min Scan# 1635

Delta R.T. 0.01 min

Lab File: VY003550.D

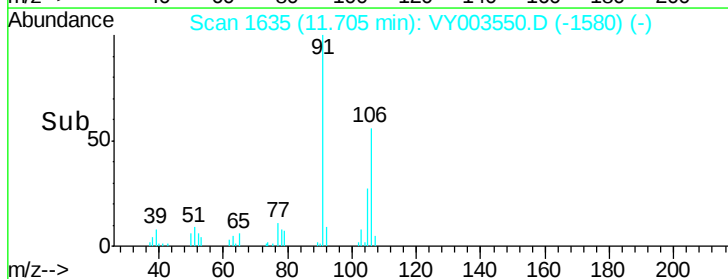
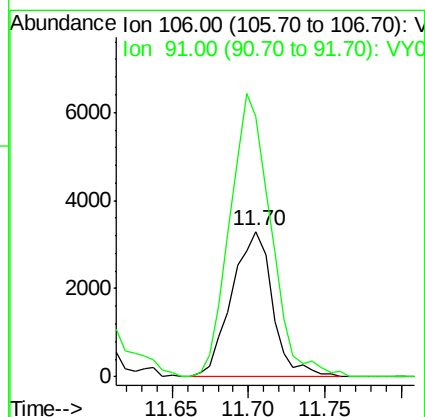
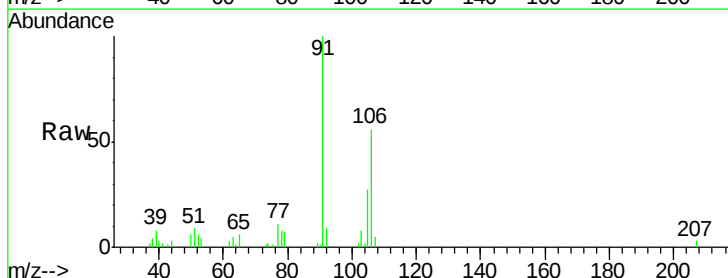
Acq: 19 Nov 2020 16:12

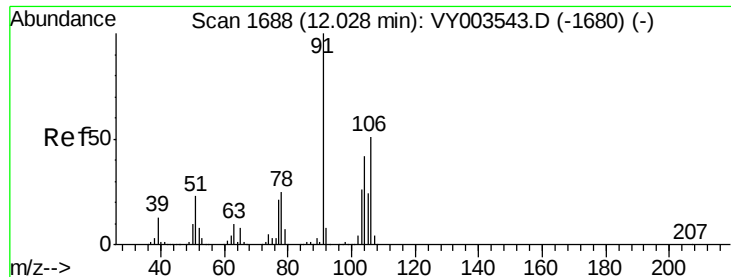
Tgt Ion: 106 Resp: 6116

Ion Ratio Lower Upper

106 100

91 179.6 135.6 251.8





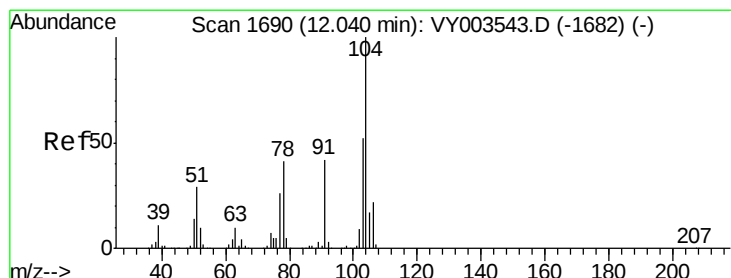
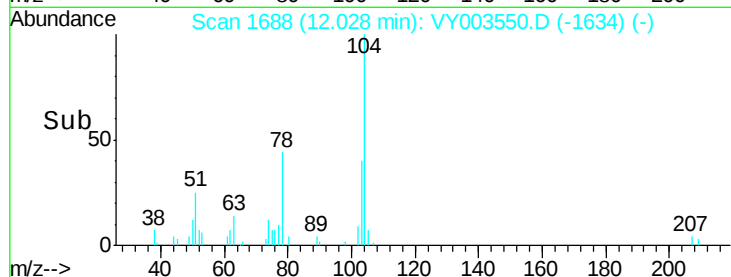
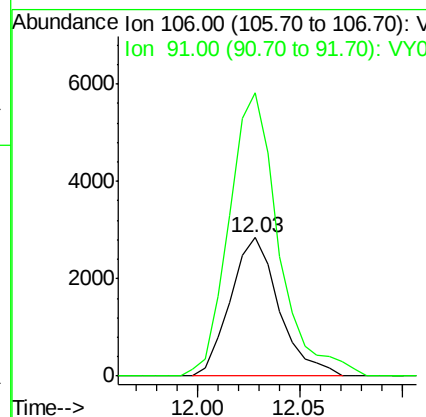
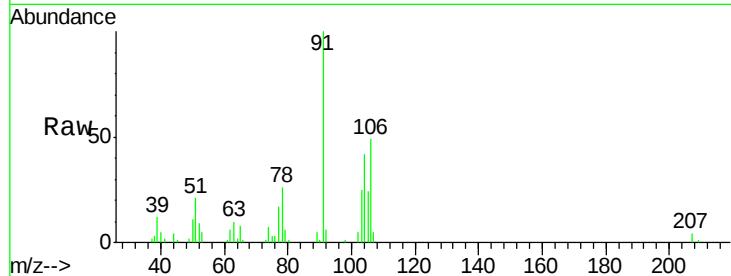
#55
o-xylene
Concen: 1.047 ug/L
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY003550.D
Acq: 19 Nov 2020 16:12

Instrument :
MSVOA_Y
ClientSampleId :
MDL03

Tot Ion:106 Resp: 4725
Ion Ratio Lower Upper
106 100
91 204.4 138.3 256.8

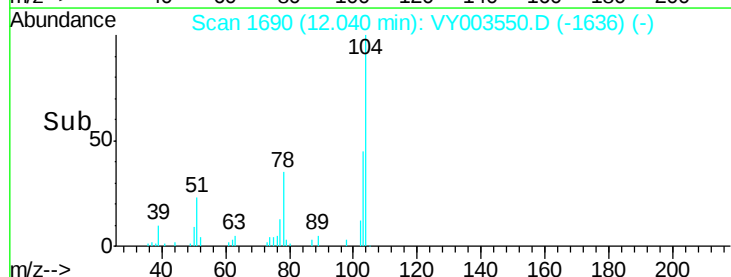
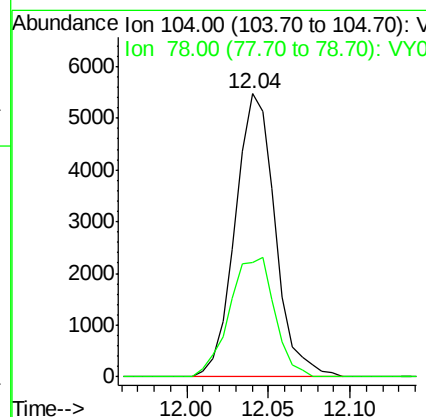
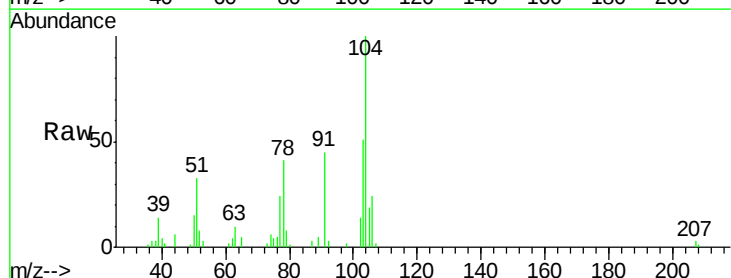
Manual Integrations
APPROVED

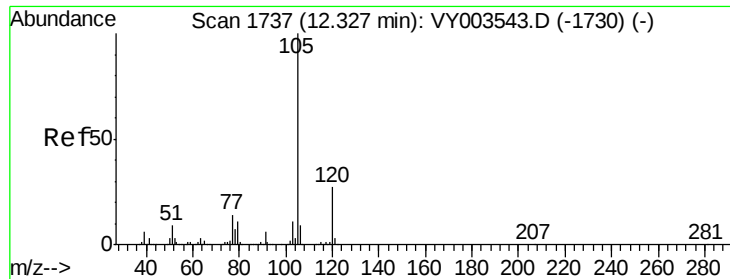
MMDadoda
11/20/2020 10:22:48 AM



#56
Styrene
Concen: 1.057 ug/L
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY003550.D
Acq: 19 Nov 2020 16:12

Tgt Ion:104 Resp: 9341
Ion Ratio Lower Upper
104 100
78 40.5 28.8 53.6





#57

Isopropylbenzene

Concen: 1.013 ug/L

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY003550.D

Acq: 19 Nov 2020 16:12

Instrument :

MSVOA_Y

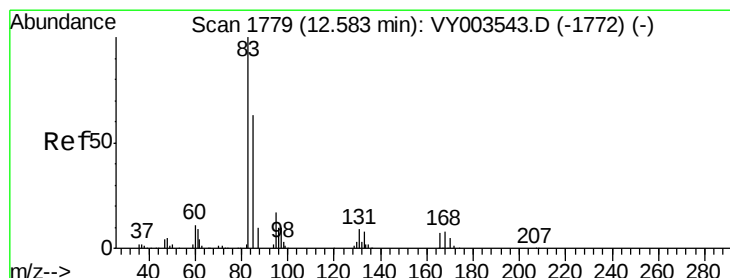
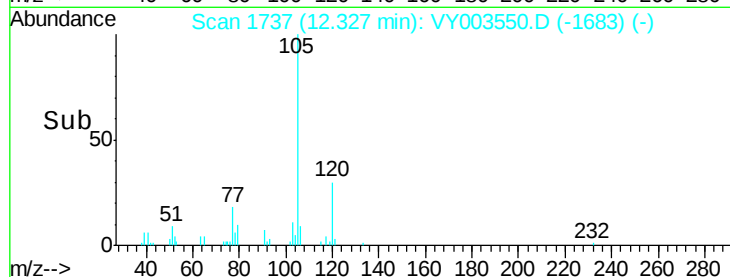
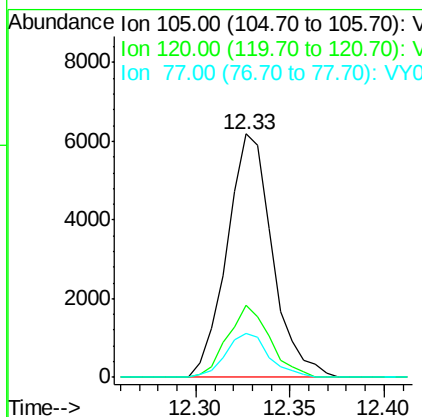
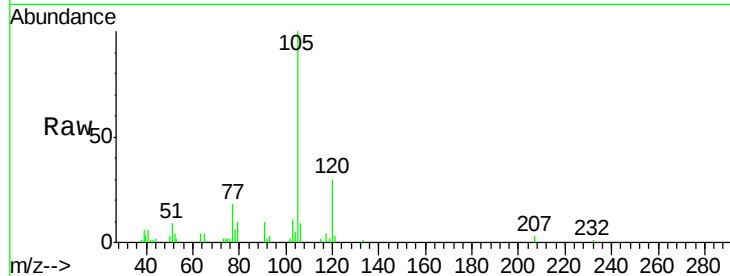
ClientSampleId :

MDL03

Tot Ion:	105	Resp:	10345
Ion Ratio	Lower	Upper	
105	100		
120	27.5	21.7	32.5
77	17.1	12.1	18.1

Manual Integrations
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#58

1,1,2,2-Tetrachloroethane

Concen: 1.320 ug/L

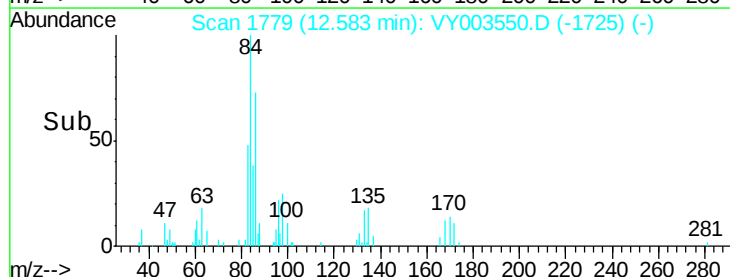
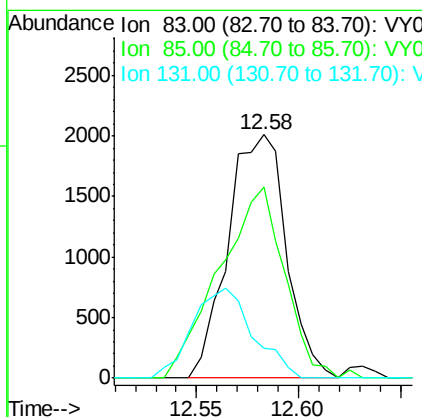
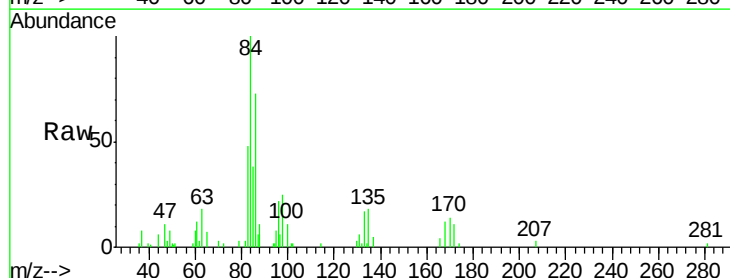
RT: 12.58 min Scan# 1779

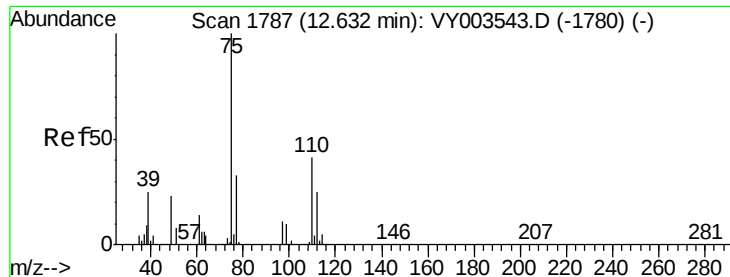
Delta R.T. -0.00 min

Lab File: VY003550.D

Acq: 19 Nov 2020 16:12

Tgt Ion:	83	Resp:	3981
Ion Ratio	Lower	Upper	
83	100		
85	78.5	44.8	83.2
131	12.4	7.3	10.9#





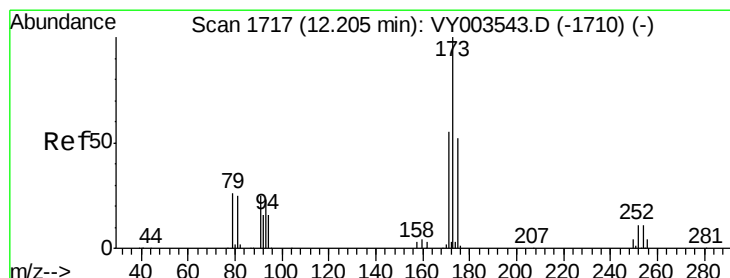
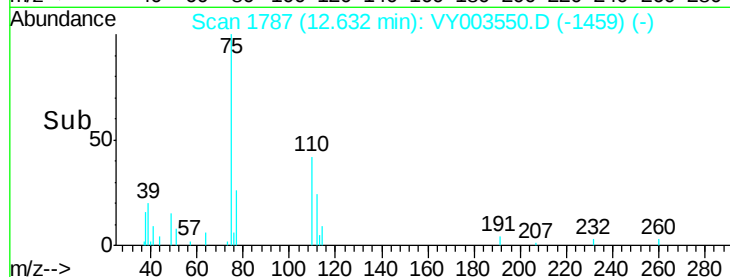
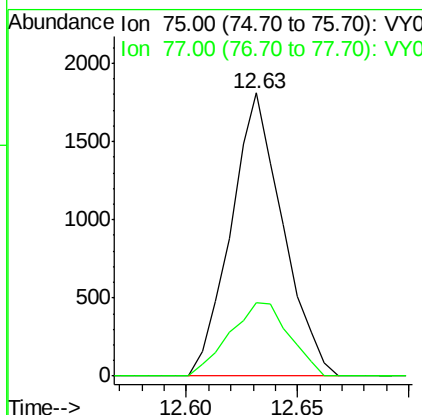
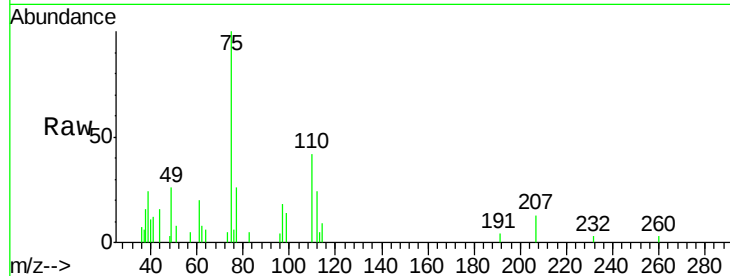
#59
 1,2,3-Trichloropropane
 Concen: 1.251 ug/L
 RT: 12.63 min Scan# 1787
 Delta R.T. -0.00 min
 Lab File: VY003550.D
 Acq: 19 Nov 2020 16:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL03

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.7	26.2	39.2

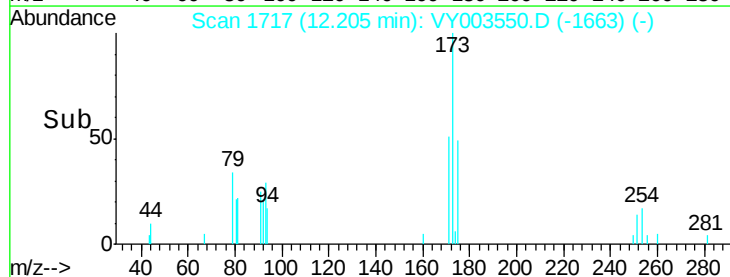
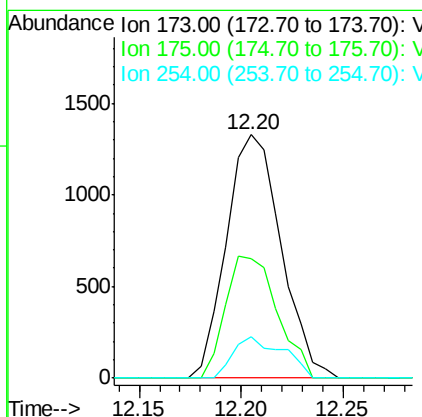
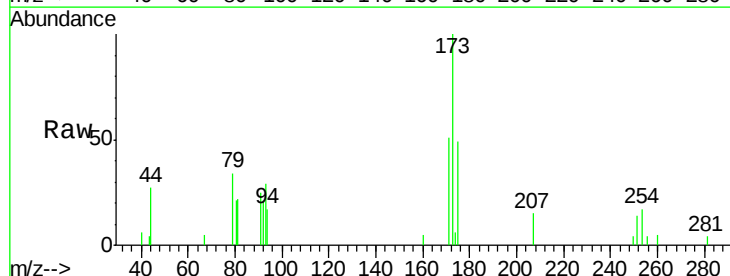
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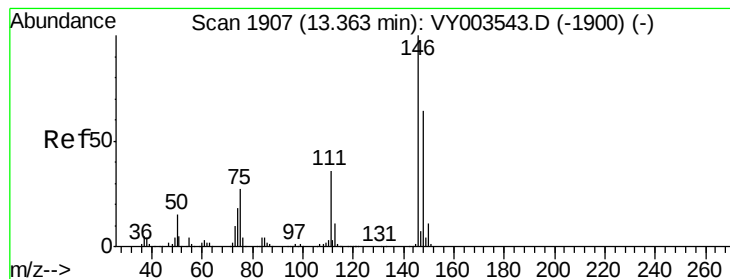
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#62
 Bromoform
 Concen: 1.254 ug/L
 RT: 12.20 min Scan# 1717
 Delta R.T. -0.00 min
 Lab File: VY003550.D
 Acq: 19 Nov 2020 16:12

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.4	39.5	59.3
254	11.8	8.6	12.8





#63

1,3-Dichlorobenzene

Concen: 1.212 ug/L

RT: 13.36 min Scan# 1907

Delta R.T. -0.00 min

Lab File: VY003550.D

Acq: 19 Nov 2020 16:12

Instrument :

MSVOA_Y

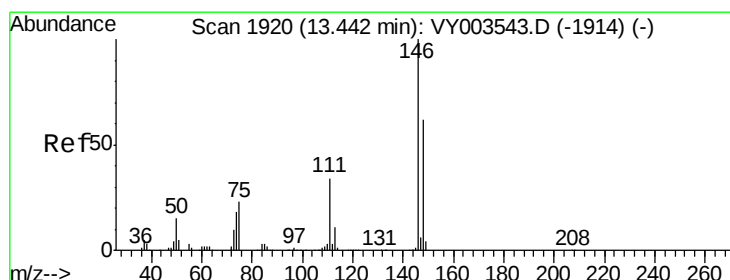
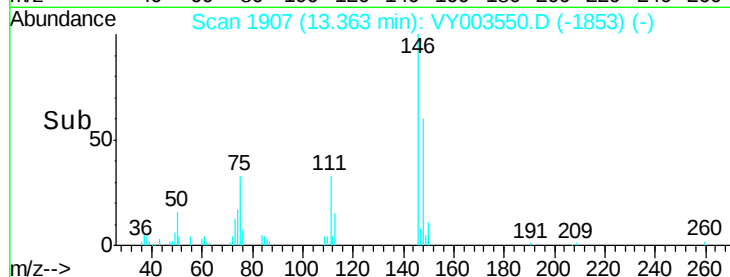
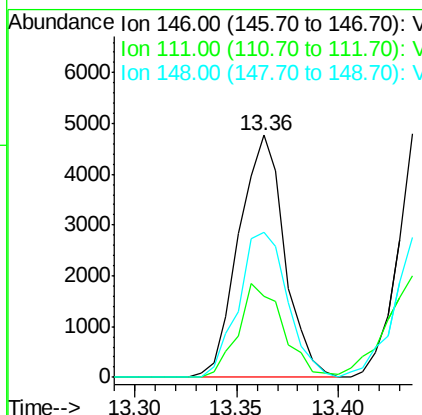
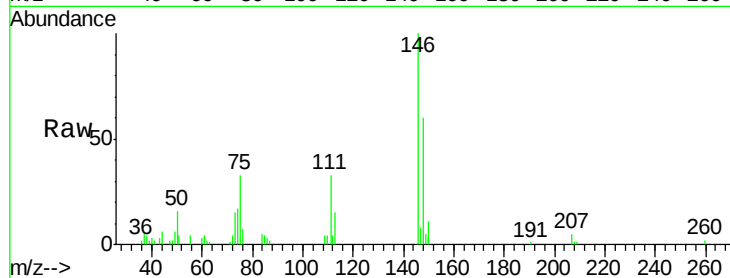
ClientSampleId :

MDL03

Tot Ion	Ratio	Lower	Upper
146	100		
111	33.4	25.1	46.5
148	59.7	44.7	82.9

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#64

1,4-Dichlorobenzene

Concen: 1.343 ug/L

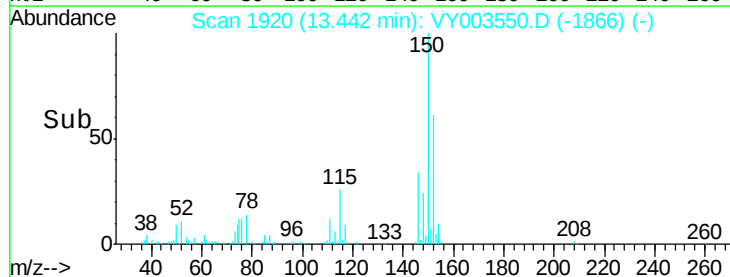
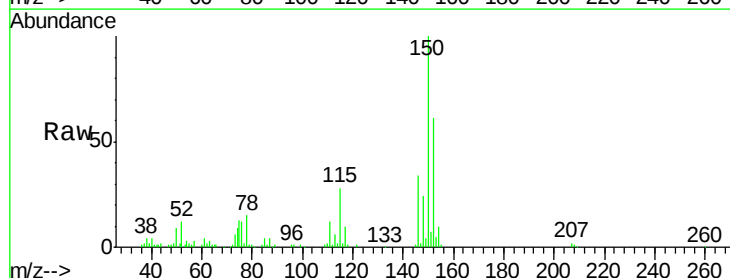
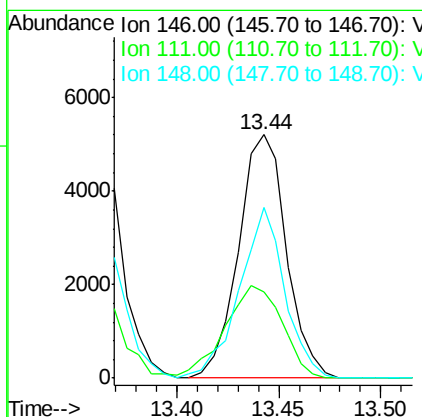
RT: 13.44 min Scan# 1920

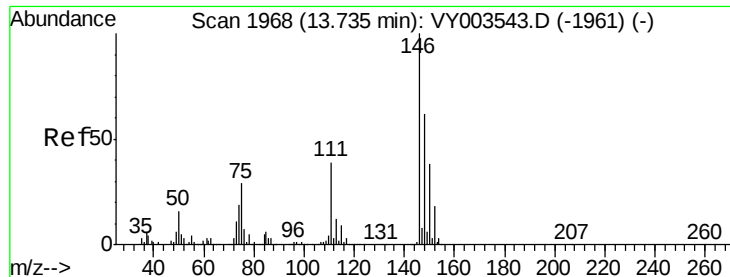
Delta R.T. -0.00 min

Lab File: VY003550.D

Acq: 19 Nov 2020 16:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.5	24.1	44.8
148	69.9	43.6	81.0





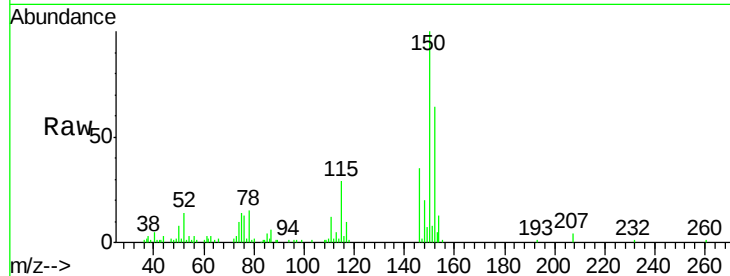
#65
 1,2-Dichlorobenzene
 Concen: 1.250 ug/L
 RT: 13.74 min Scan# 1969
 Delta R.T. 0.01 min
 Lab File: VY003550.D
 Acq: 19 Nov 2020 16:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL03

Tot Ion	Ratio	Lower	Upper
146	100		
111	33.8	31.0	46.6
148	58.1	49.8	74.8

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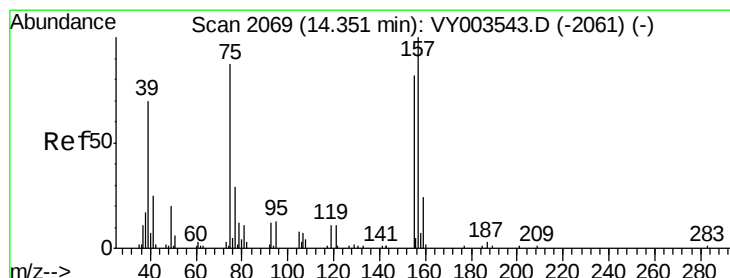
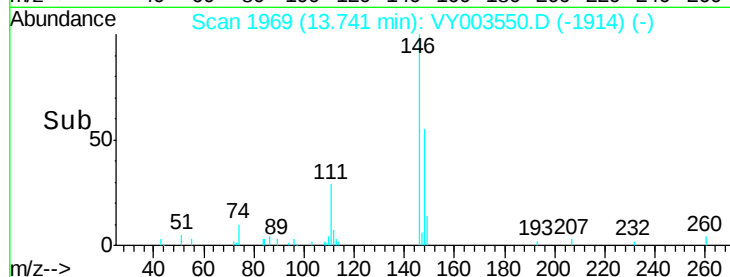
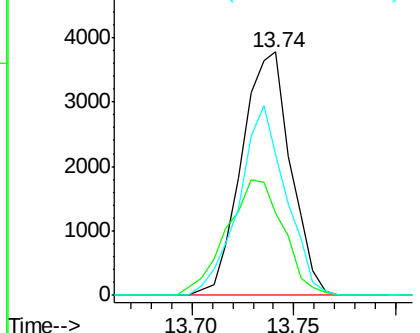


Abundance

Ion 146.00 (145.70 to 146.70): V

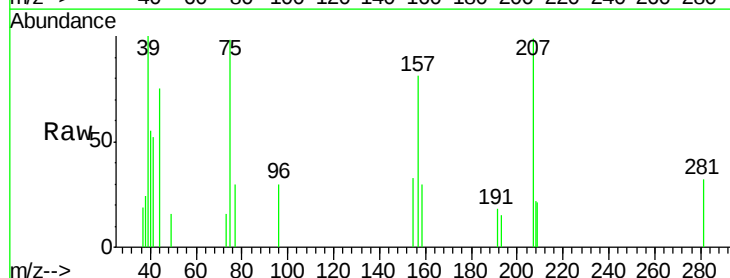
Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.543 ug/L m
 RT: 14.35 min Scan# 2069
 Delta R.T. -0.00 min
 Lab File: VY003550.D
 Acq: 19 Nov 2020 16:12

Tgt Ion	Ratio	Lower	Upper
75	100		
157	83.2	91.8	137.6#
155	34.0	75.7	113.5#

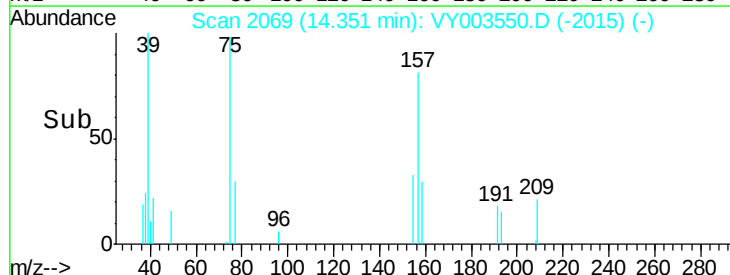
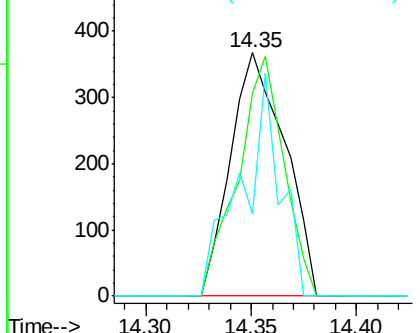


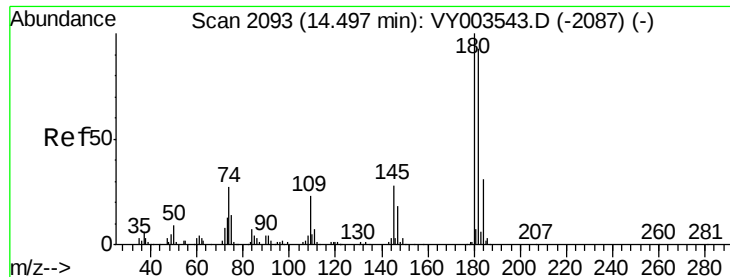
Abundance

Ion 75.00 (74.70 to 75.70): VY0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V





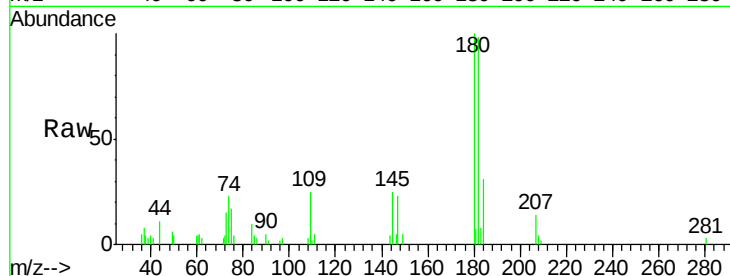
#67
 1,3,5-Trichlorobenzene
 Concen: 1.134 ug/L
 RT: 14.50 min Scan# 2094
 Delta R.T. 0.01 min
 Lab File: VY003550.D
 Acq: 19 Nov 2020 16:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL03

Tot Ion	Ratio	Lower	Upper
180	100		
182	102.5	77.3	115.9
184	33.8	24.4	36.6
145	33.4	22.4	33.6

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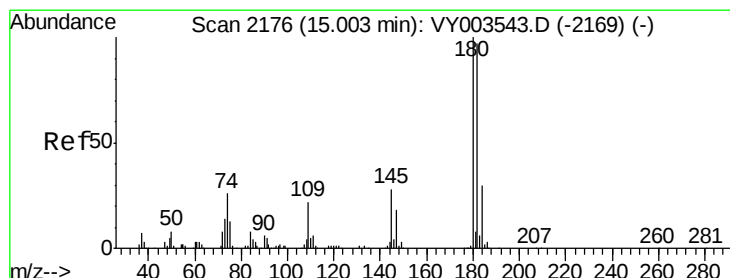
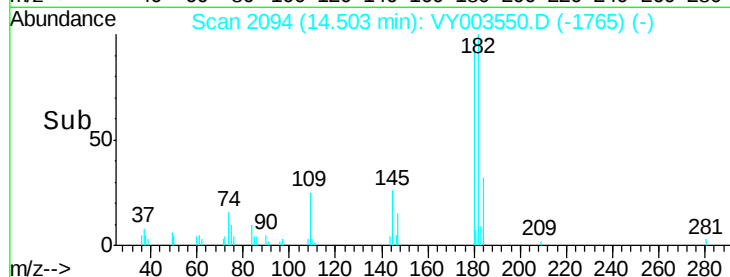
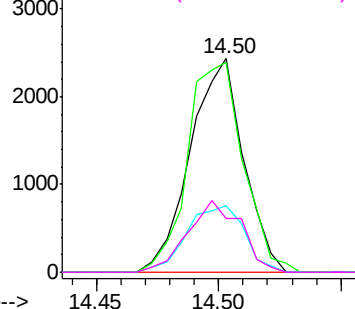


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

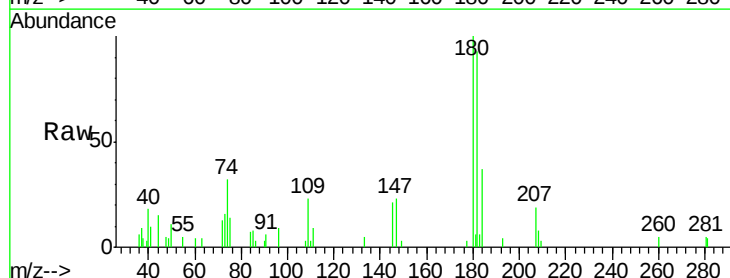
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 1.210 ug/L
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VY003550.D
 Acq: 19 Nov 2020 16:12

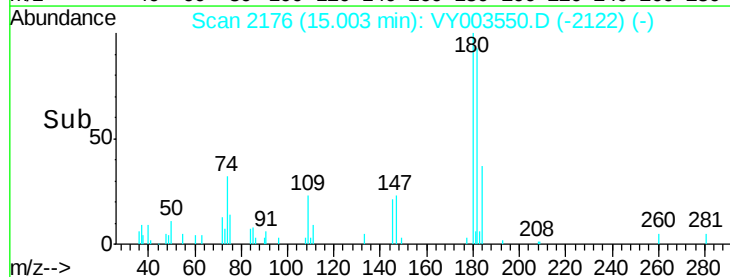
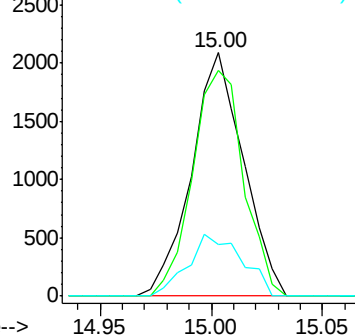
Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.2	76.5	114.7
145	26.5	22.8	34.2

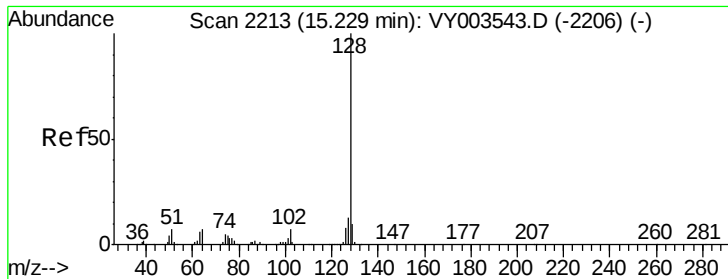


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





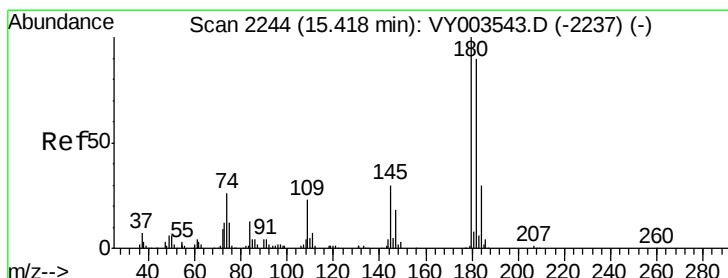
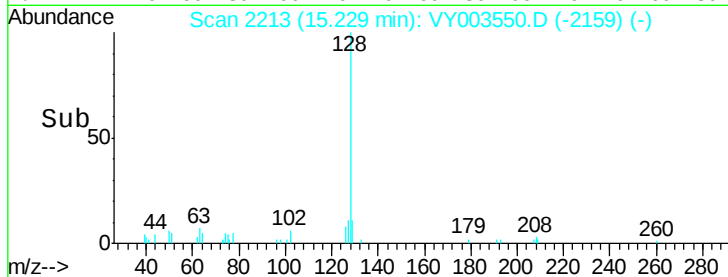
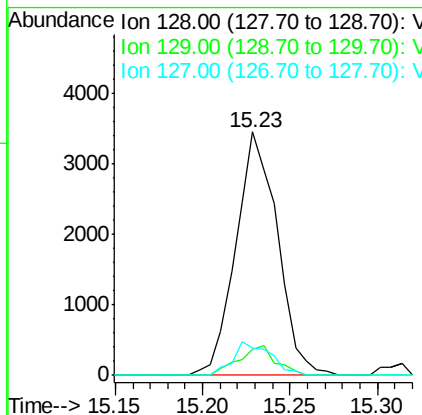
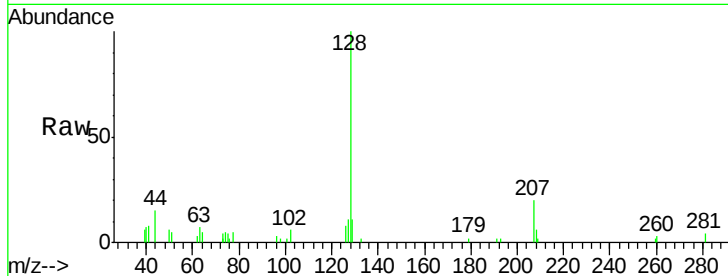
#69
Naphthalene
Concen: 1.157 ug/L
RT: 15.23 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VY003550.D
Acq: 19 Nov 2020 16:12

Instrument :
MSVOA_Y
ClientSampleId :
MDL03

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.5	12.7
127	12.4	10.2	15.2

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#70
1,2,3-Trichlorobenzene
Concen: 1.210 ug/L
RT: 15.42 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VY003550.D
Acq: 19 Nov 2020 16:12

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	76.5	114.7
145	30.8	25.2	37.8

