

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111920\
 Data File : VY003553.D
 Acq On : 19 Nov 2020 17:16
 Operator : SY/MD
 Sample : MDL06
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL06

Manual Integrations
 APPROVED

MMDadoda
 11/20/2020 10:23:01 AM

Quant Time: Nov 20 03:07:50 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	232482	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	212299	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	102329	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	52492	20.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.96%
7) Chloroethane-d5	2.77	69	50075	21.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.24%
10) 1,1-Dichloroethene-d2	3.86	63	100148	15.81	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	63.24%
20) 2-Butanone-d5	6.91	46	63606	49.23	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.46%
24) Chloroform-d	7.49	84	139385	23.59	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.36%
26) 1,2-Dichloroethane-d4	8.14	65	80554	24.32	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.28%
29) Benzene-d6	8.11	84	289635	23.42	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.68%
33) 1,2-Dichloropropane-d6	9.12	67	88629	24.44	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.76%
37) Toluene-d8	10.18	98	259191	23.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.56%
38) trans-1,3-Dichloropropene-	10.44	79	42470	23.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.88%
39) 2-Hexanone-d5	10.79	63	45183	47.91	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.82%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	75567	23.92	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.68%
61) 1,2-Dichlorobenzene-d4	13.72	152	81949	24.81	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.24%

Target Compounds

				Ovalue
2) Dichlorodifluoromethane	1.93	85	1256m	1.019 ug/L
3) Chloromethane	2.11	50	2910	1.122 ug/L
5) Vinyl chloride	2.26	62	3676	1.187 ug/L #
6) Bromomethane	2.67	94	2668	1.110 ug/L
8) Chloroethane	2.80	64	2189m	1.041 ug/L
9) Trichlorofluoromethane	3.14	101	2765	0.931 ug/L
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	4683m	1.521 ug/L
12) 1,1-Dichloroethene	3.89	96	4624m	1.436 ug/L
13) Acetone	3.97	43	3000m	3.234 ug/L
14) Carbon disulfide	4.21	76	11570	1.085 ug/L
15) Methyl Acetate	4.49	43	2701	1.147 ug/L #
16) Methylene chloride	4.72	84	11020	2.765 ug/L
17) Methyl tert-butyl Ether	5.24	73	6031m	1.199 ug/L
18) trans-1,2-Dichloroethene	5.23	96	4046m	1.192 ug/L
19) 1,1-Dichloroethane	6.02	63	6324m	1.103 ug/L
21) 2-Butanone	7.00	43	5096	3.262 ug/L
22) cis-1,2-Dichloroethene	7.00	96	4253m	1.220 ug/L

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111920\
 Data File : VY003553.D
 Acq On : 19 Nov 2020 17:16
 Operator : SY/MD
 Sample : MDL06
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL06

Manual Integrations
 APPROVED

MMDadoda
 11/20/2020 10:23:01 AM

Quant Time: Nov 20 03:07:50 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)

23) Bromochloromethane	7.34	128	1841	1.091	ug/L	92
25) Chloroform	7.52	83	7186	1.261	ug/L #	73
27) 1,2-Dichloroethane	8.24	62	4881	1.268	ug/L	95
30) Cyclohexane	7.78	56	4767	0.923	ug/L #	95
31) 1,1,1-Trichloroethane	7.71	97	4991	1.081	ug/L	98
32) Carbon tetrachloride	7.91	117	4778	1.088	ug/L	95
34) Benzene	8.17	78	15259	1.139	ug/L	100
35) Trichloroethene	8.95	95	3795	1.119	ug/L	97
36) Methylcyclohexane	9.19	83	5216m	0.984	ug/L	
40) 1,2-Dichloropropane	9.22	63	3983	1.206	ug/L #	91
41) Bromodichloromethane	9.50	83	4790	1.137	ug/L	94
42) cis-1,3-Dichloropropene	9.93	75	5882	1.130	ug/L	97
43) 4-Methyl-2-pentanone	10.07	43	5914	2.141	ug/L	98
44) Toluene	10.24	91	16023	1.135	ug/L	96
45) trans-1,3-Dichloropropene	10.46	75	7381	1.539	ug/L	98
46) 1,1,2-Trichloroethane	10.64	97	3112	1.180	ug/L	93
47) Tetrachloroethene	10.72	164	3514	1.192	ug/L	96
49) 2-Hexanone	10.83	43	4971m	2.278	ug/L	
50) Dibromochloromethane	10.98	129	3777	1.187	ug/L	91
51) 1,2-Dibromoethane	11.08	107	3098	1.178	ug/L #	75
52) Chlorobenzene	11.52	112	9812	1.088	ug/L	95
53) Ethylbenzene	11.59	91	15352	1.059	ug/L	97
54) m,p-Xylene	11.70	106	5972	1.070	ug/L	91
55) o-xylene	12.03	106	4768	1.023	ug/L	96
56) Styrene	12.04	104	9126	1.000	ug/L	96
57) Isopropylbenzene	12.33	105	10192	0.967	ug/L #	96
58) 1,1,2,2-Tetrachloroethane	12.58	83	4098	1.317	ug/L #	96
59) 1,2,3-Trichloropropane	12.63	75	2860	1.180	ug/L	94
62) Bromoform	12.20	173	2420	1.165	ug/L #	97
63) 1,3-Dichlorobenzene	13.36	146	7531	1.166	ug/L	97
64) 1,4-Dichlorobenzene	13.44	146	7720	1.161	ug/L	95
65) 1,2-Dichlorobenzene	13.73	146	6251	1.175	ug/L	97
67) 1,3,5-Trichlorobenzene	14.50	180	4298	1.255	ug/L	90
68) 1,2,4-trichlorobenzene	15.00	180	3202	1.085	ug/L	98
69) Naphthalene	15.23	128	5487	1.054	ug/L	97
70) 1,2,3-Trichlorobenzene	15.42	180	2716	1.218	ug/L	95

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

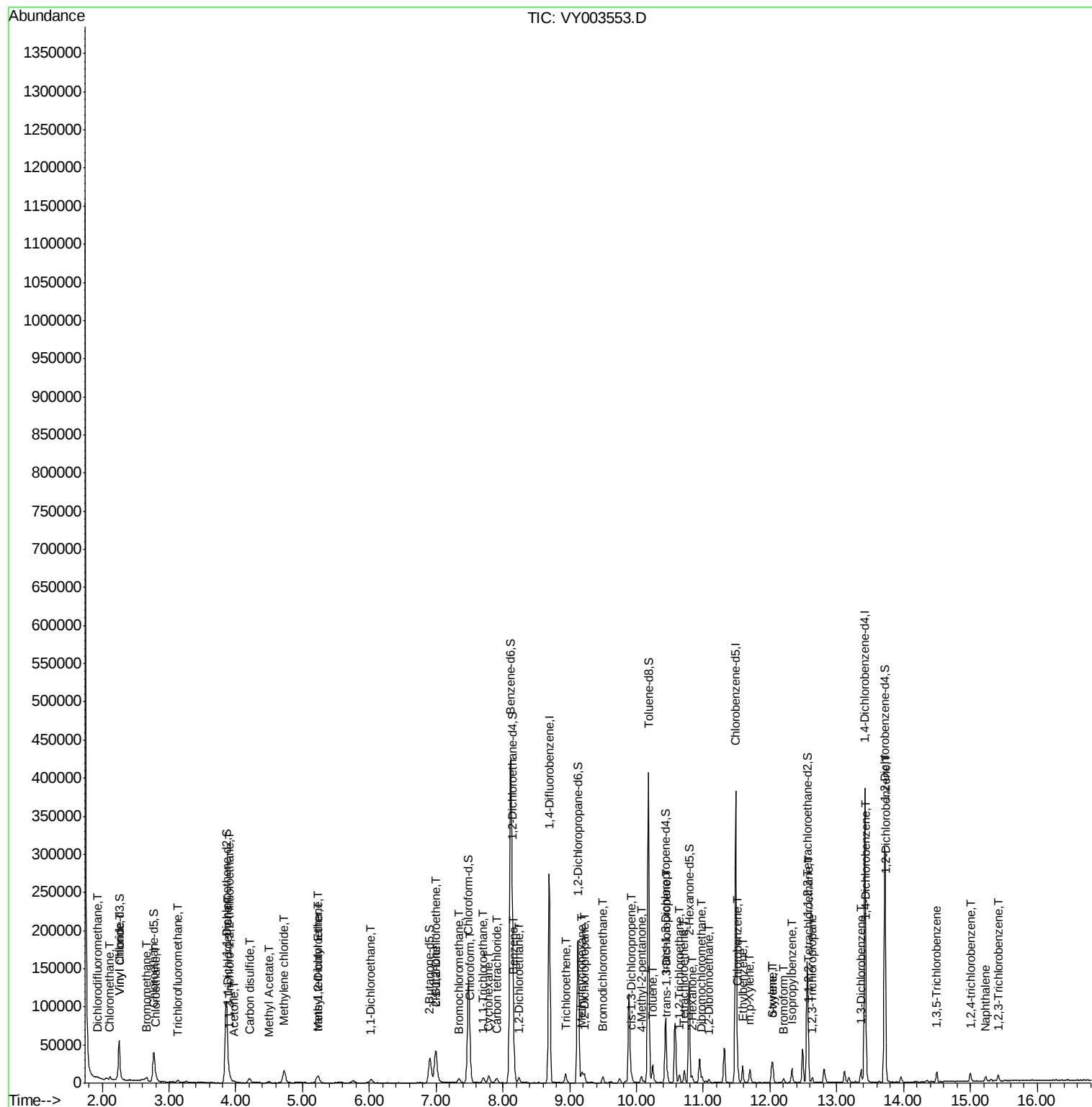
Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111920\
Data File : VY003553.D
Acq On : 19 Nov 2020 17:16
Operator : SY/MD
Sample : MDL06
Misc : 5.00G/10ML/MSVOA Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

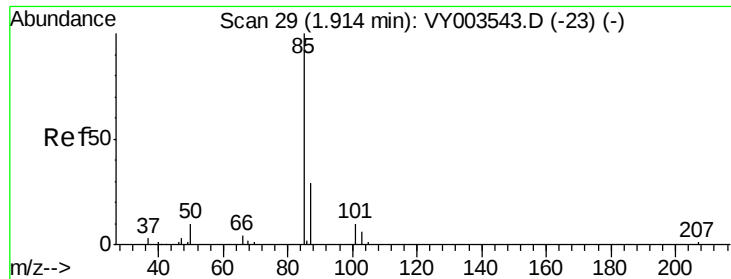
Instrument :
MSVOA_Y
ClientSampleId :
MDL06

Manual Integrations
APPROVED

MMDadoda
11/20/2020 10:23:01 AM

Quant Time: Nov 20 03:07:50 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





#2

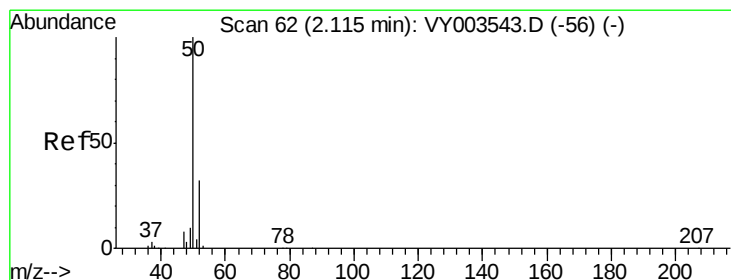
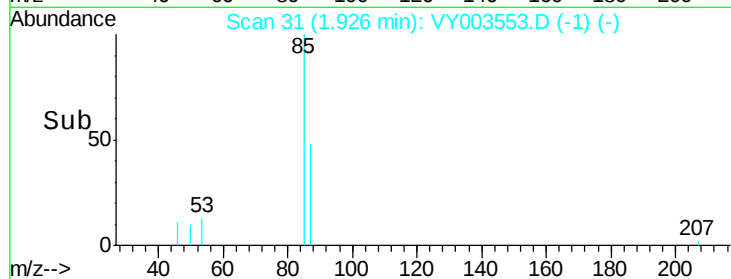
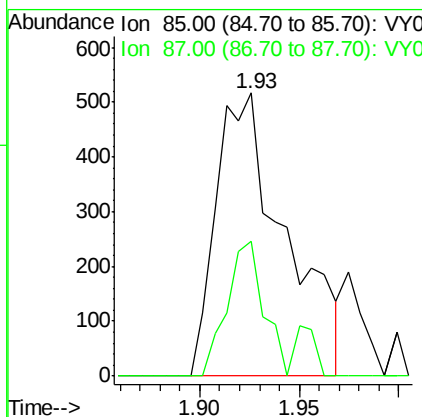
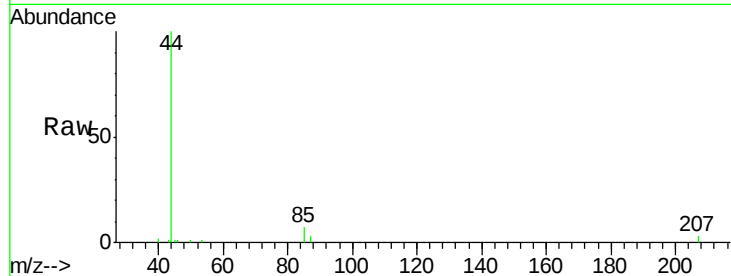
Dichlorodifluoromethane
Concen: 1.019 ug/L
RT: 1.93 min Scan# 31
Delta R.T. 0.01 min
Lab File: VY003553.D
Acq: 19 Nov 2020 17:16

Instrument :
MSVOA_Y
ClientSampleId :
MDL06

Tot Ion	85	Resp	1256
Ion Ratio	100	Lower	Upper
85	100		
87	25.3	21.3	39.5

Manual Integrations
APPROVED

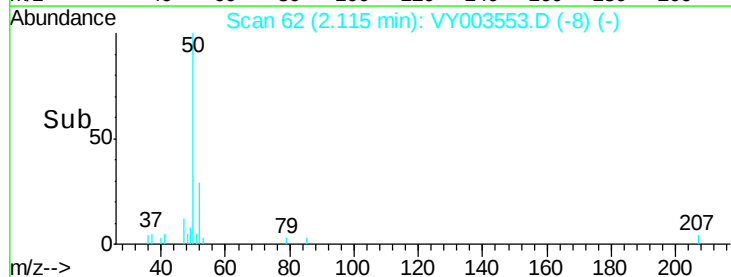
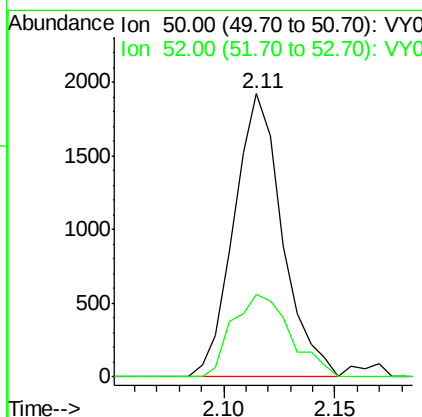
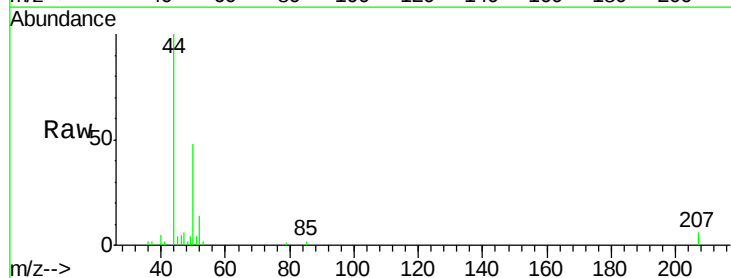
MMDadoda
11/20/2020 10:23:01 AM

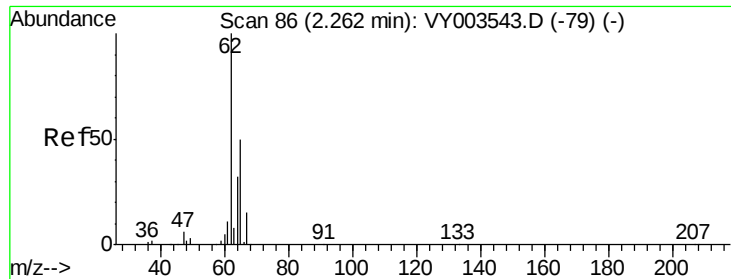


#3

Chloromethane
Concen: 1.122 ug/L
RT: 2.11 min Scan# 62
Delta R.T. -0.00 min
Lab File: VY003553.D
Acq: 19 Nov 2020 17:16

Tgt Ion	50	Resp	2910
Ion Ratio	100	Lower	Upper
50	100		
52	29.3	22.4	41.6





#5

Vinyl chloride

Concen: 1.187 ug/L

RT: 2.26 min Scan# 86

Delta R.T. -0.00 min

Lab File: VY003553.D

Acq: 19 Nov 2020 17:16

Instrument :

MSVOA_Y

ClientSampled :

MDL06

Tot Ion: 62 Resp: 3676

Ion Ratio Lower Upper

62 100

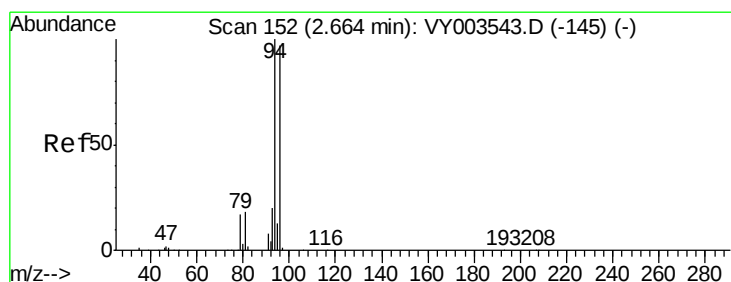
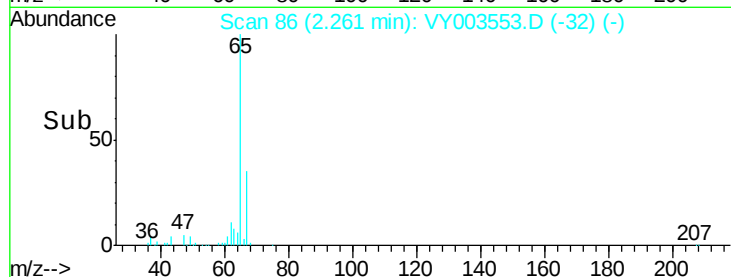
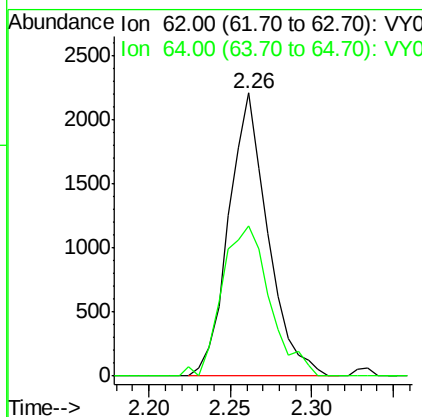
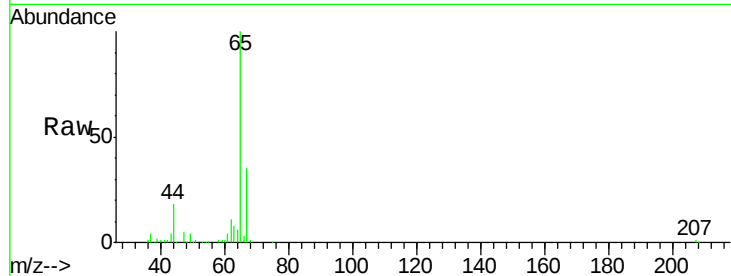
64 53.0 22.7 42.1#

Manual Integrations

APPROVED

MMDadoda

11/20/2020 10:23:01 AM



#6

Bromomethane

Concen: 1.110 ug/L

RT: 2.67 min Scan# 153

Delta R.T. 0.01 min

Lab File: VY003553.D

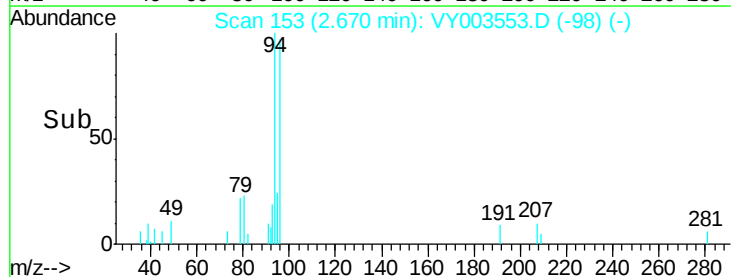
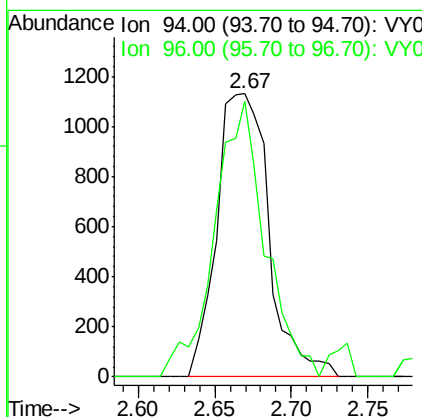
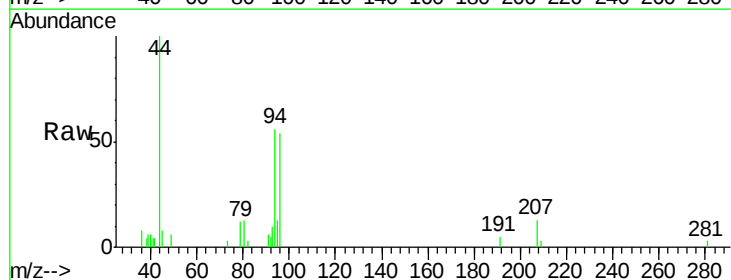
Acq: 19 Nov 2020 17:16

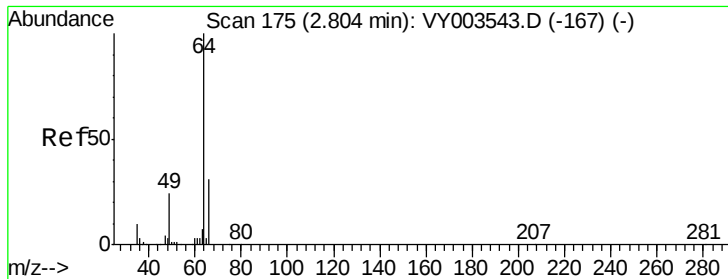
Tgt Ion: 94 Resp: 2668

Ion Ratio Lower Upper

94 100

96 95.4 9.4 178.6





#8

Chloroethane

Concen: 1.041 ug/L m

RT: 2.80 min Scan# 175

Delta R.T. -0.00 min

Lab File: VY003553.D

Acq: 19 Nov 2020 17:16

Instrument :

MSVOA_Y

ClientSampleId :

MDL06

Tot Ion: 64 Resp: 2189

Ion Ratio Lower Upper

64 100

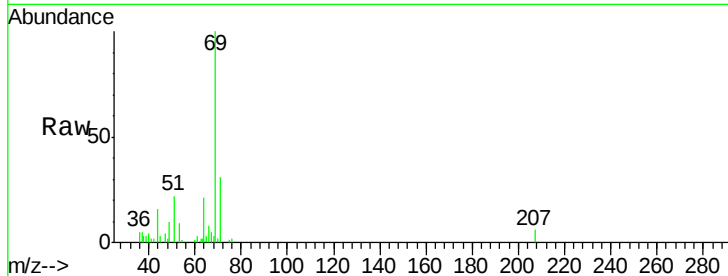
66 38.1 21.8 40.6

Manual Integrations

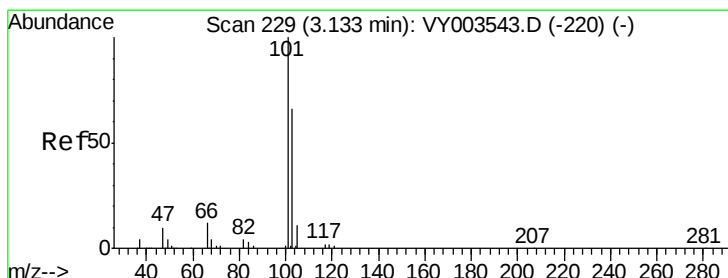
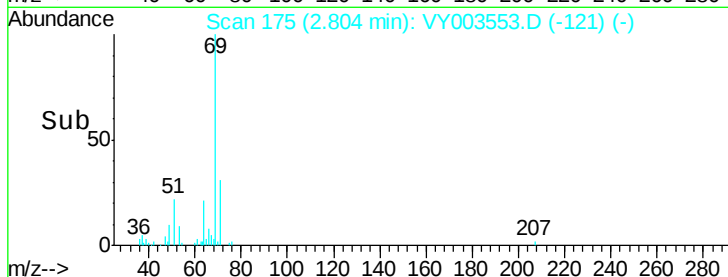
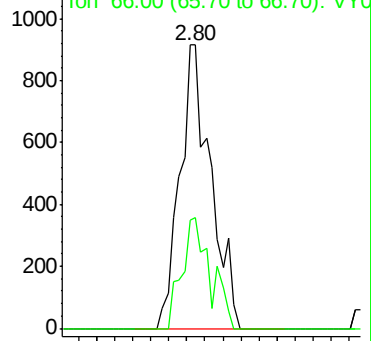
APPROVED

MMDadoda

11/20/2020 10:23:01 AM



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



#9

Trichlorofluoromethane

Concen: 0.931 ug/L

RT: 3.14 min Scan# 230

Delta R.T. 0.01 min

Lab File: VY003553.D

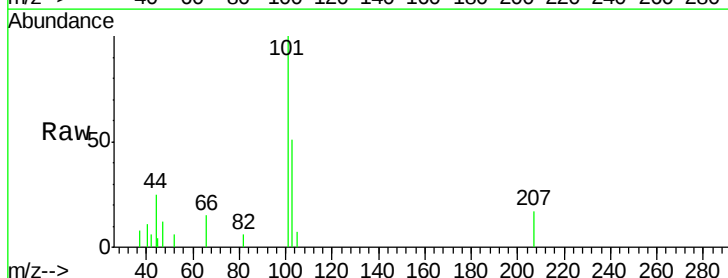
Acq: 19 Nov 2020 17:16

Tgt Ion: 101 Resp: 2765

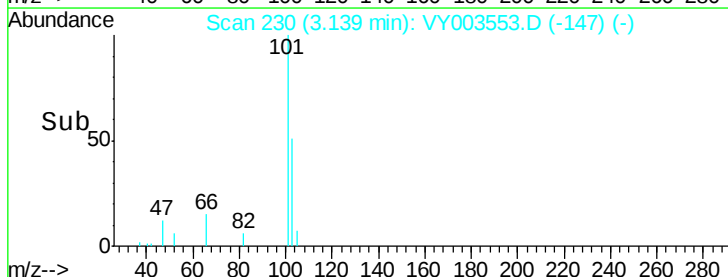
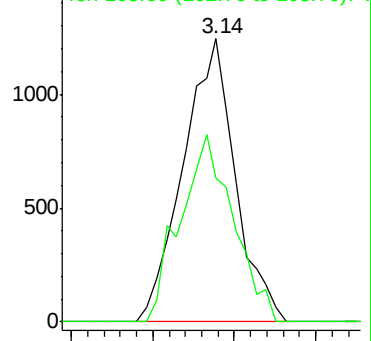
Ion Ratio Lower Upper

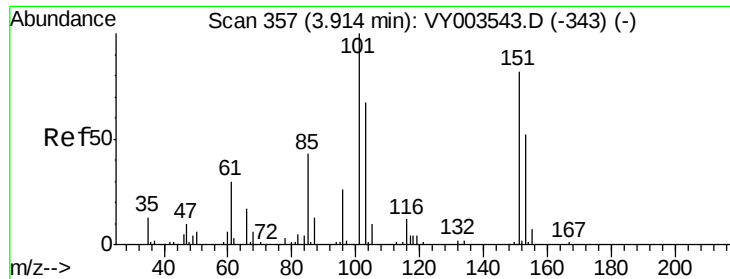
101 100

103 67.2 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: 1.521 ug/L m

RT: 3.91 min Scan# 357

Delta R.T. -0.00 min

Lab File: VY003553.D

Acq: 19 Nov 2020 17:16

Instrument :

MSVOA_Y

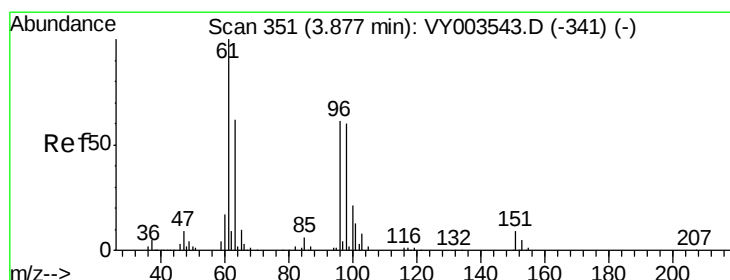
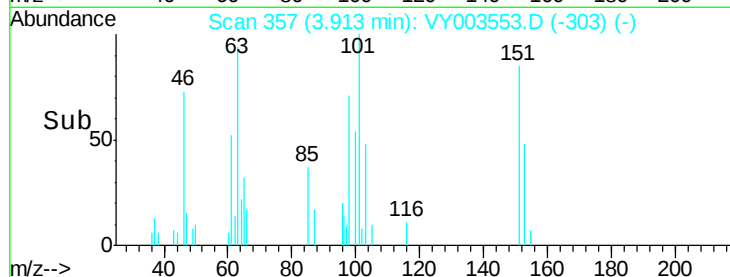
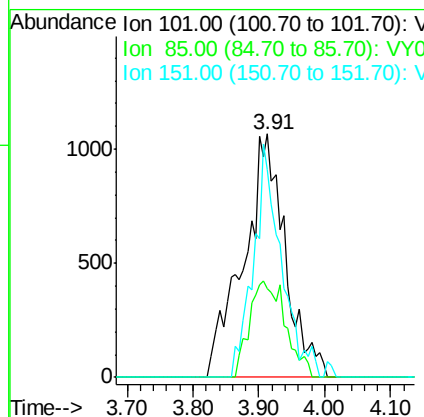
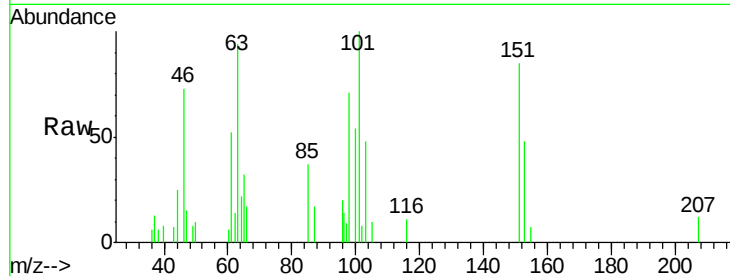
ClientSampleId :

MDL06

Tot Ion:	101	Resp:	4683
Ion Ratio	Lower	Upper	
101	100		
85	23.7	35.0	52.4#
151	60.7	65.4	98.0#

Manual Integrations
APPROVED

MMDadoda
11/20/2020 10:23:01 AM



#12

1,1-Dichloroethene

Concen: 1.436 ug/L m

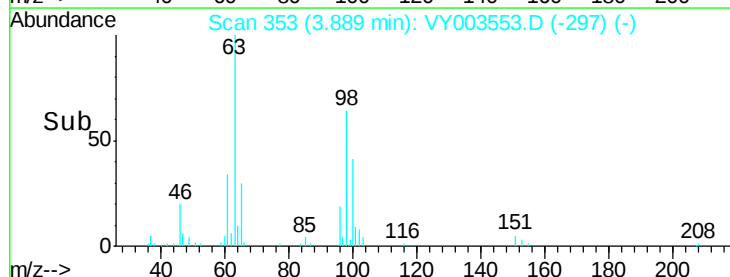
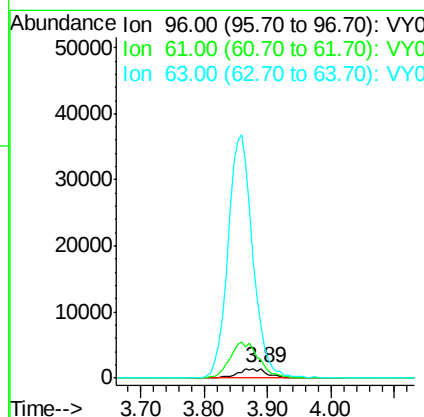
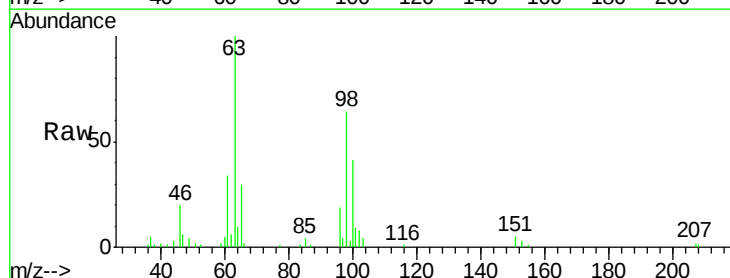
RT: 3.89 min Scan# 353

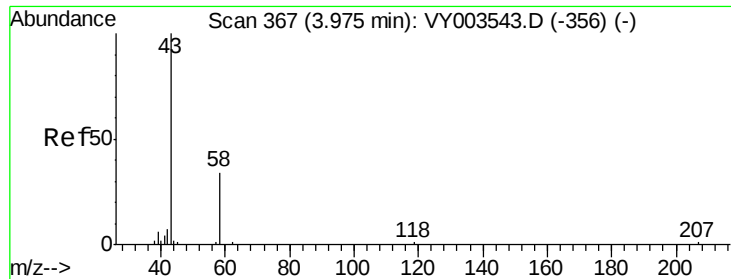
Delta R.T. 0.01 min

Lab File: VY003553.D

Acq: 19 Nov 2020 17:16

Tgt Ion:	96	Resp:	4624
Ion Ratio	Lower	Upper	
96	100		
61	181.7	116.6	216.6
63	527.0	77.5	143.9#





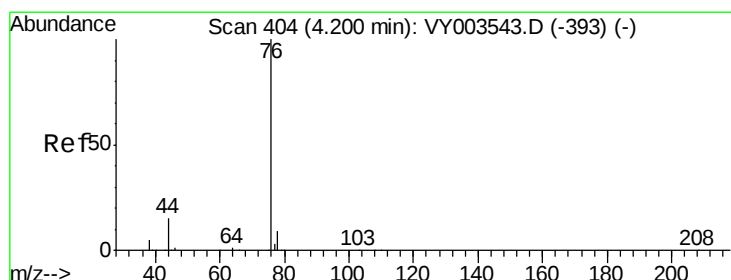
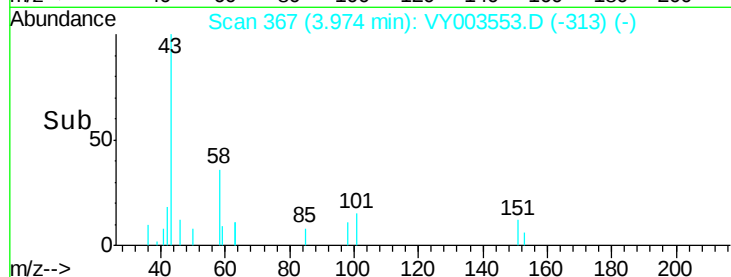
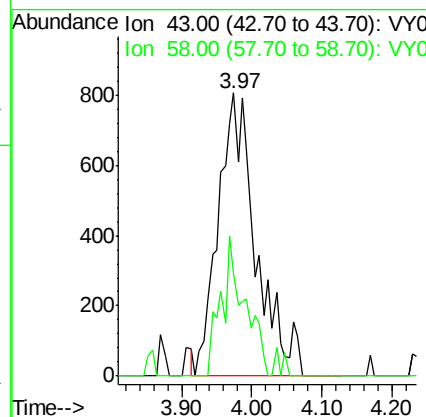
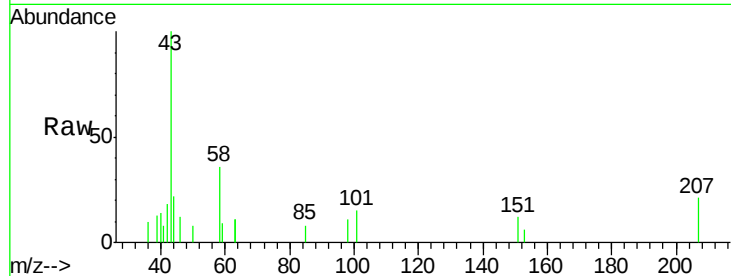
#13
Acetone
Concen: 3.234 ug/L m
RT: 3.97 min Scan# 367
Delta R.T. -0.00 min
Lab File: VY003553.D
Acq: 19 Nov 2020 17:16

Instrument :
MSVOA_Y
ClientSampleId :
MDL06

Tot Ion: 43 Resp: 3000
Ion Ratio Lower Upper
43 100
58 10.9 0.0 66.2

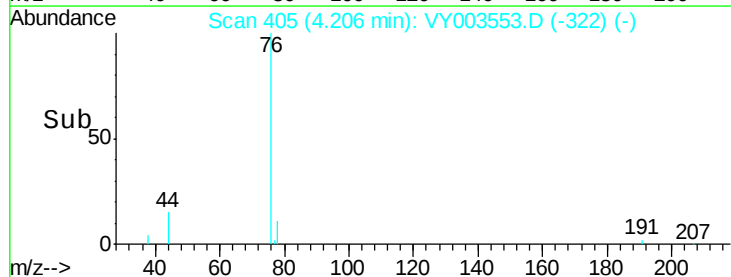
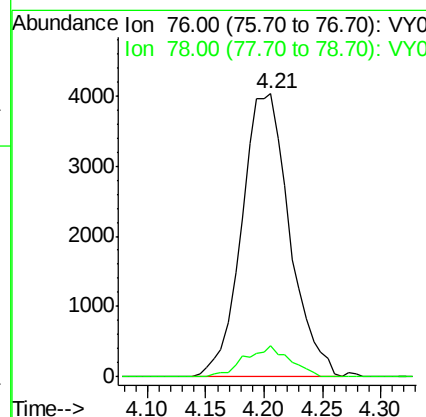
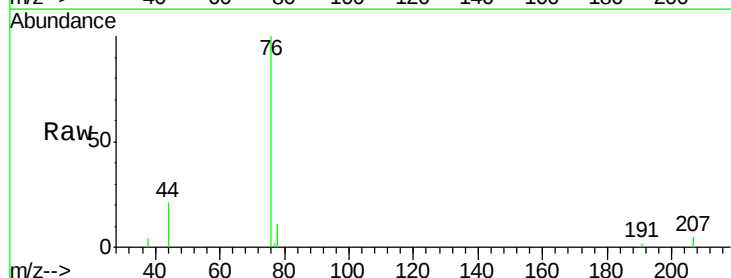
Manual Integrations
APPROVED

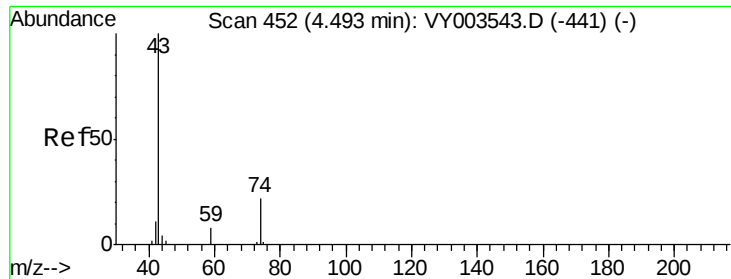
MMDadoda
11/20/2020 10:23:01 AM



#14
Carbon disulfide
Concen: 1.085 ug/L
RT: 4.21 min Scan# 405
Delta R.T. 0.01 min
Lab File: VY003553.D
Acq: 19 Nov 2020 17:16

Tgt Ion: 76 Resp: 11570
Ion Ratio Lower Upper
76 100
78 10.9 7.4 11.0





#15

Methyl Acetate

Concen: 1.147 ug/L

RT: 4.49 min Scan# 452

Delta R.T. -0.00 min

Lab File: VY003553.D

Acq: 19 Nov 2020 17:16

Tot Ion: 43 Resp: 2701

Ion Ratio Lower Upper

43 100

74 11.7 18.2 27.2#

Instrument :

MSVOA_Y

ClientSampled :

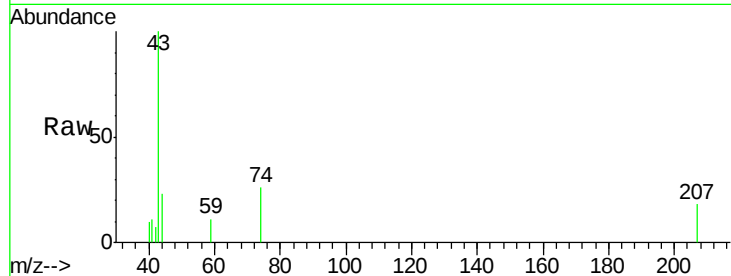
MDL06

Manual Integrations

APPROVED

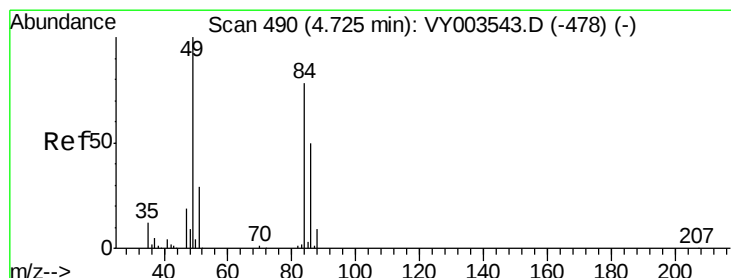
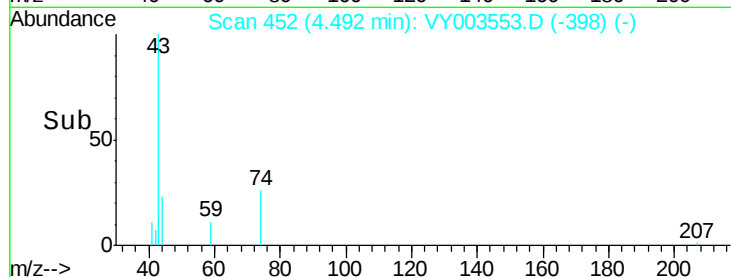
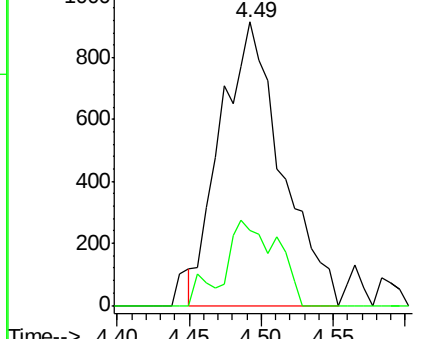
MMDadoda

11/20/2020 10:23:01 AM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0



#16

Methylene chloride

Concen: 2.765 ug/L

RT: 4.72 min Scan# 490

Delta R.T. -0.00 min

Lab File: VY003553.D

Acq: 19 Nov 2020 17:16

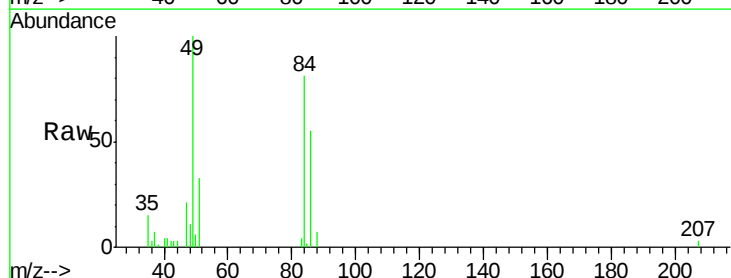
Tgt Ion: 84 Resp: 11020

Ion Ratio Lower Upper

84 100

49 124.2 90.3 167.7

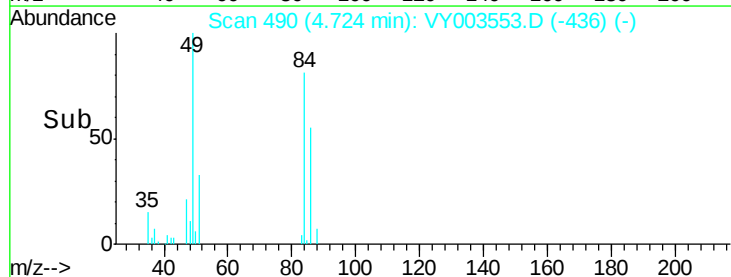
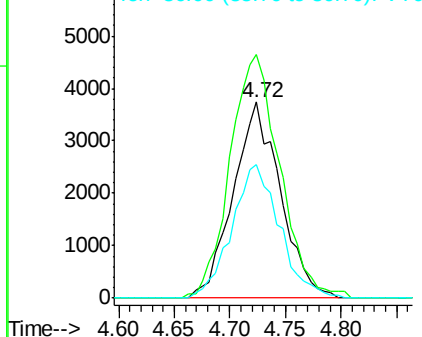
86 67.8 44.7 83.1

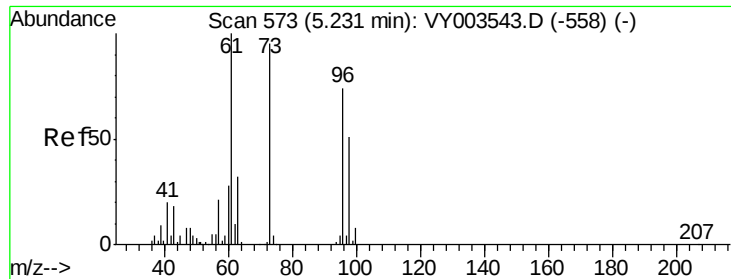


Abundance Ion 84.00 (83.70 to 84.70): VY0

Ion 49.00 (48.70 to 49.70): VY0

Ion 86.00 (85.70 to 86.70): VY0





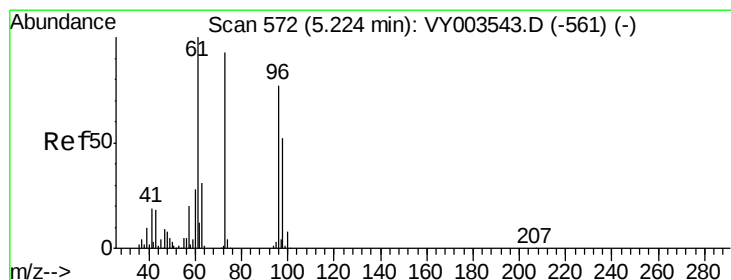
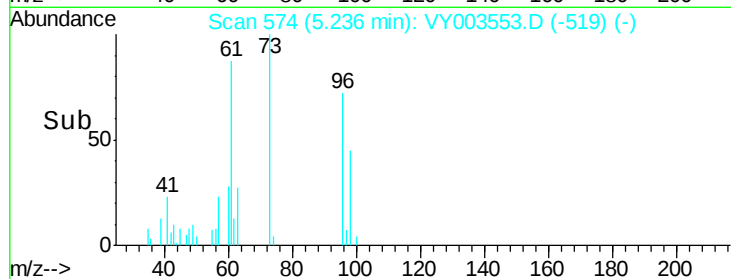
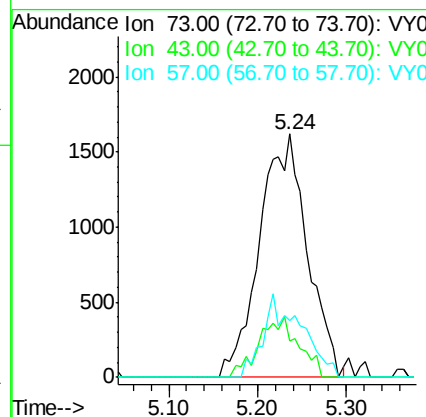
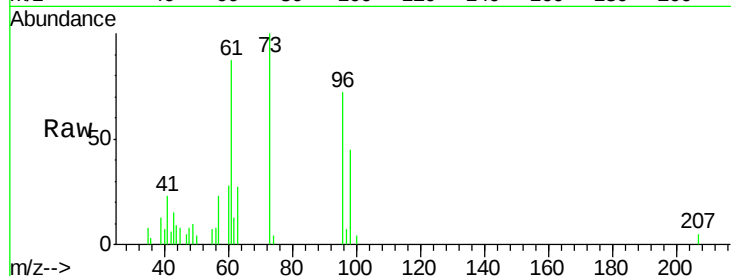
#17
Methvl tert-butvl Ether
Concen: 1.199 ug/L m
RT: 5.24 min Scan# 574
Delta R.T. 0.01 min
Lab File: VY003553.D
Acq: 19 Nov 2020 17:16

Instrument :
MSVOA_Y
ClientSampleId :
MDL06

Tot Ion	Ratio	Lower	Upper
73	100		
43	6.7	15.9	23.9#
57	11.6	10.5	15.7

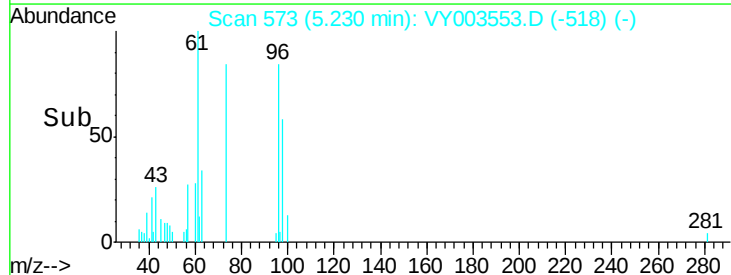
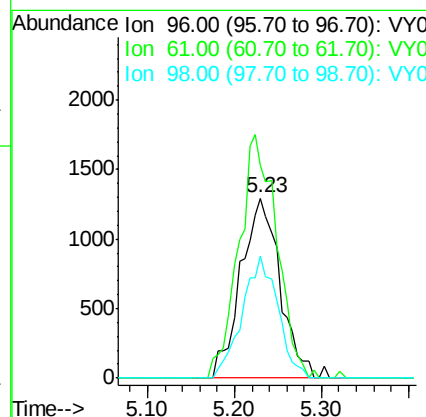
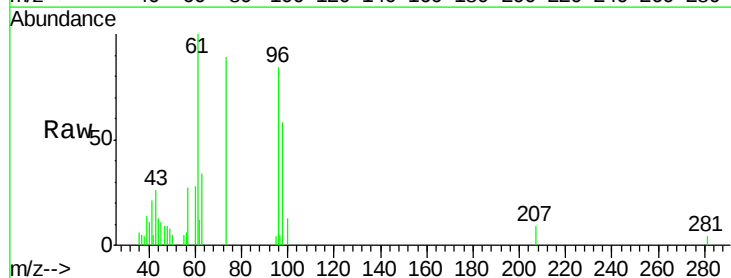
Manual Integrations
APPROVED

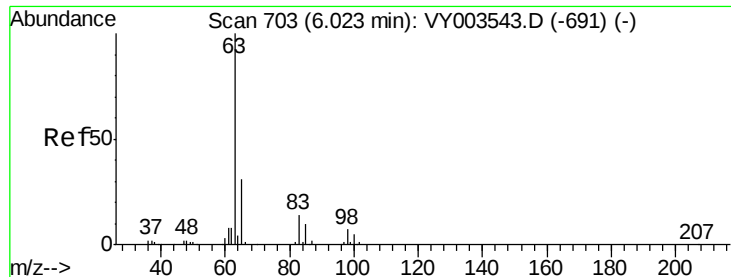
MMDadoda
11/20/2020 10:23:01 AM



#18
trans-1,2-Dichloroethene
Concen: 1.192 ug/L m
RT: 5.23 min Scan# 573
Delta R.T. 0.01 min
Lab File: VY003553.D
Acq: 19 Nov 2020 17:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	118.6	90.8	168.6
98	68.2	46.8	87.0





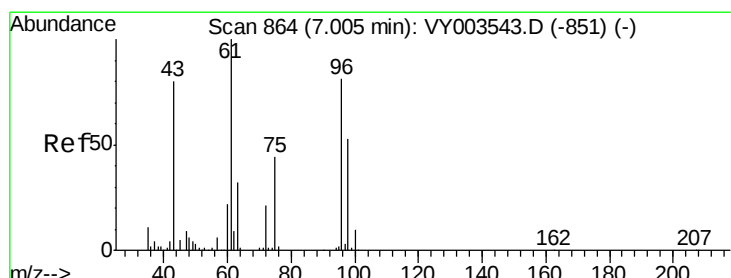
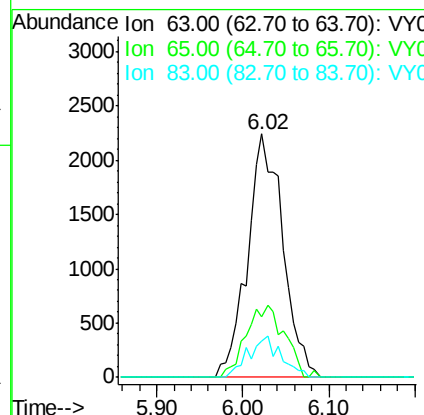
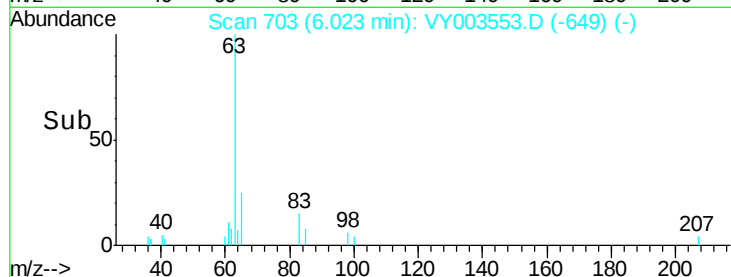
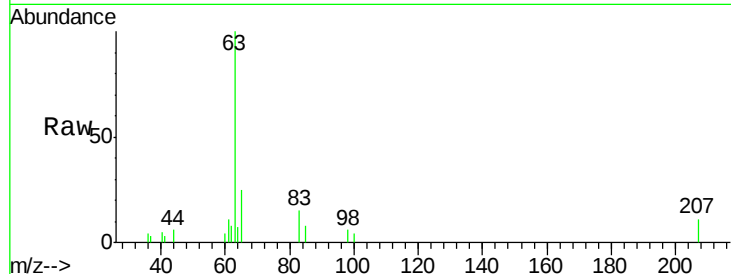
#19
 1,1-Dichloroethane
 Concen: 1.103 ug/L m
 RT: 6.02 min Scan# 703
 Delta R.T. -0.00 min
 Lab File: VY003553.D
 Acq: 19 Nov 2020 17:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL06

Tot Ion	Ratio	Lower	Upper
63	100		
65	24.8	22.0	40.8
83	15.0	9.9	18.5

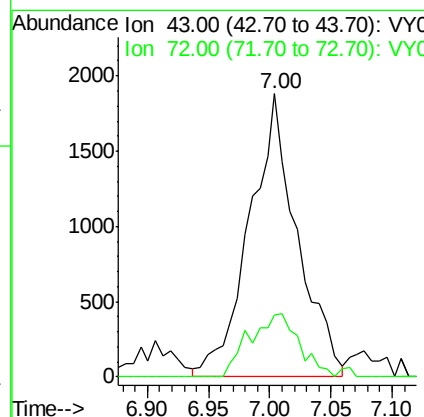
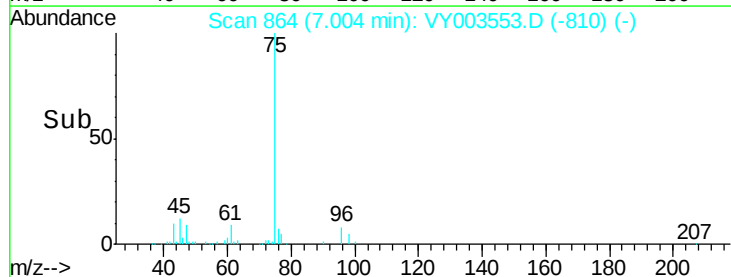
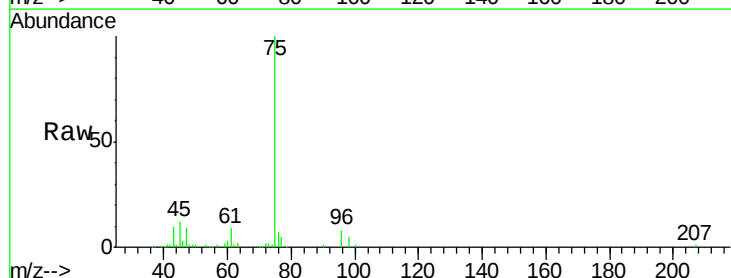
Manual Integrations
 APPROVED

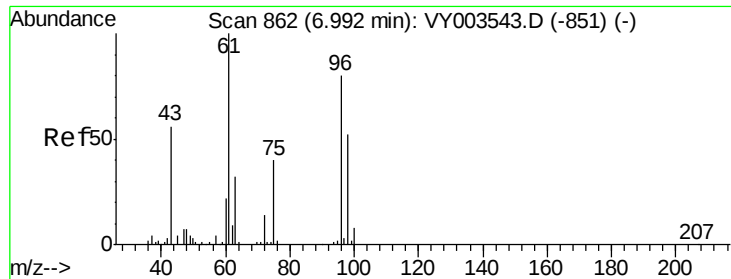
MMDadoda
 11/20/2020 10:23:01 AM



#21
 2-Butanone
 Concen: 3.262 ug/L
 RT: 7.00 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VY003553.D
 Acq: 19 Nov 2020 17:16

Tgt Ion	Ratio	Lower	Upper
43	100		
72	17.7	13.2	39.6





#22

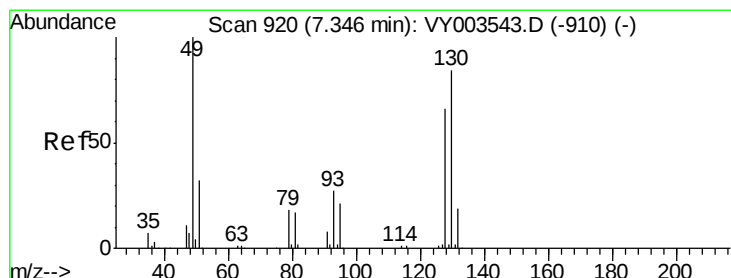
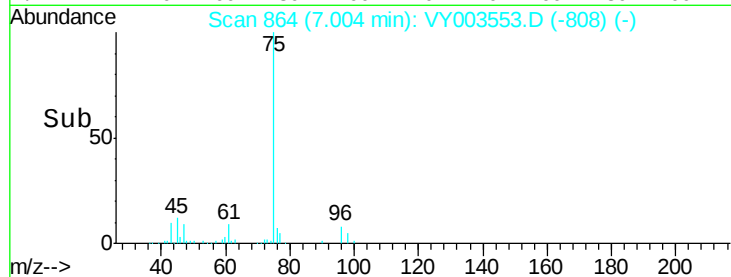
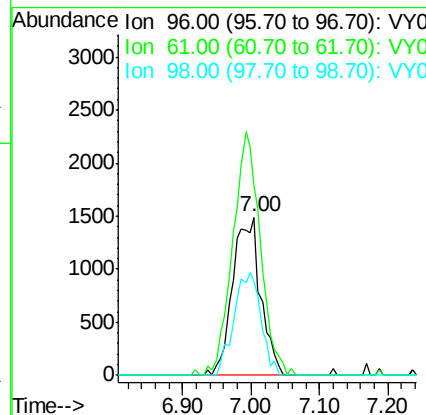
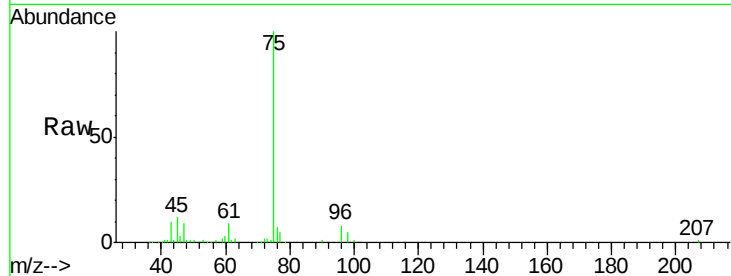
cis-1,2-Dichloroethene
Concen: 1.220 ug/L m
RT: 7.00 min Scan# 864
Delta R.T. 0.01 min
Lab File: VY003553.D
Acq: 19 Nov 2020 17:16

Instrument :
MSVOA_Y
ClientSampleId :
MDL06

Tot Ion	Ratio	Lower	Upper
96	100		
61	120.0	88.1	163.5
98	59.0	45.6	84.6

Manual Integrations
APPROVED

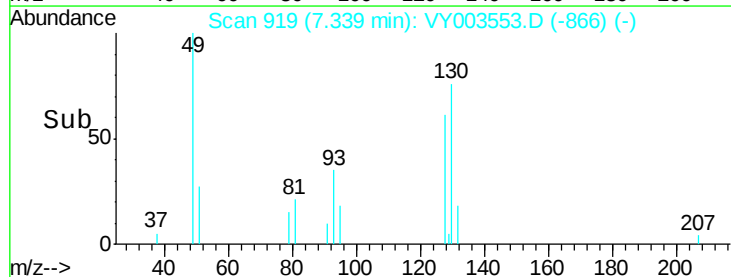
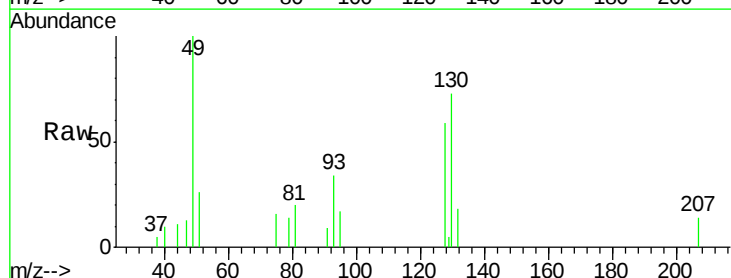
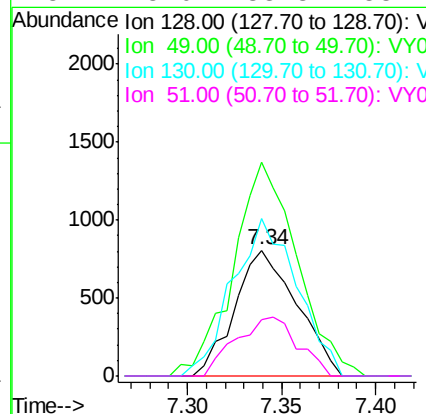
MMDadoda
11/20/2020 10:23:01 AM

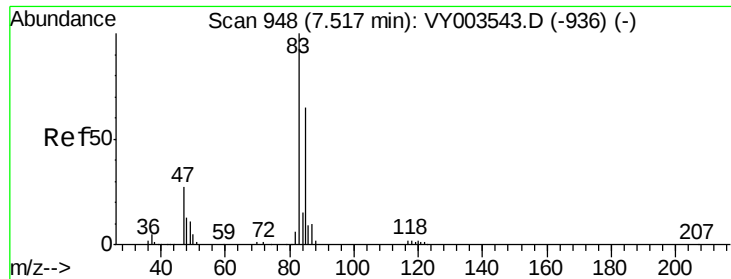


#23

Bromochloromethane
Concen: 1.091 ug/L
RT: 7.34 min Scan# 919
Delta R.T. -0.01 min
Lab File: VY003553.D
Acq: 19 Nov 2020 17:16

Tgt Ion	Ratio	Lower	Upper
128	100		
49	170.2	107.3	199.3
130	125.0	89.3	165.9
51	45.0	38.8	58.2





#25

Chloroform

Concen: 1.261 ug/L

RT: 7.52 min Scan# 948

Delta R.T. -0.00 min

Lab File: VY003553.D

Acq: 19 Nov 2020 17:16

Instrument :

MSVOA_Y

ClientSampleId :

MDL06

Tot Ion: 83 Resp: 7186

Ion Ratio Lower Upper

83 100

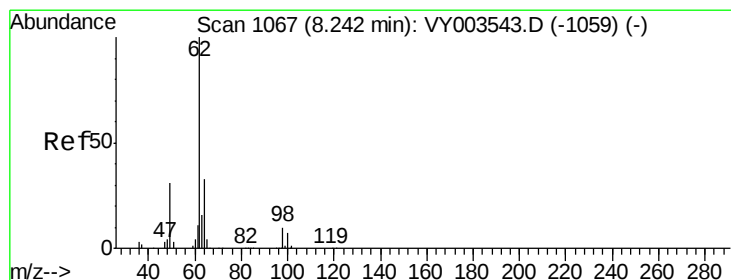
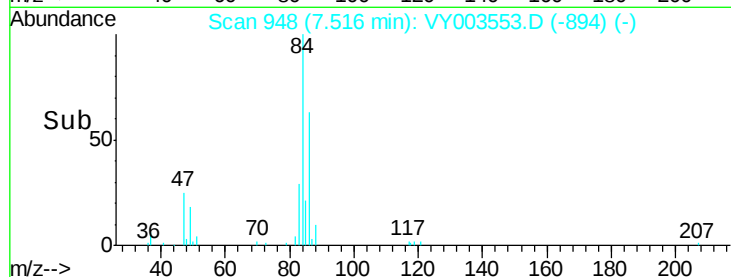
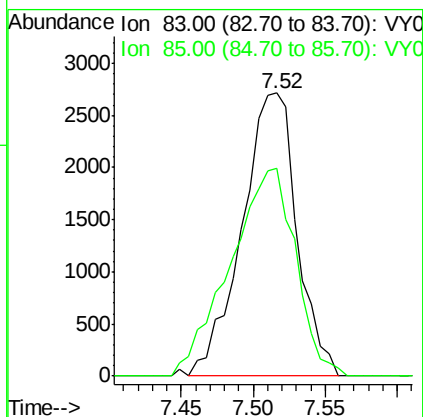
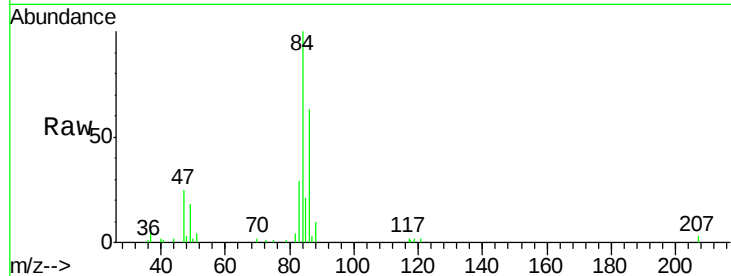
85 87.7 46.2 85.8#

Manual Integrations

APPROVED

MMDadoda

11/20/2020 10:23:01 AM



#27

1,2-Dichloroethane

Concen: 1.268 ug/L

RT: 8.24 min Scan# 1066

Delta R.T. -0.01 min

Lab File: VY003553.D

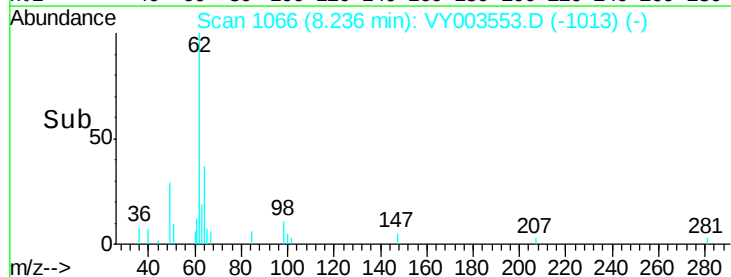
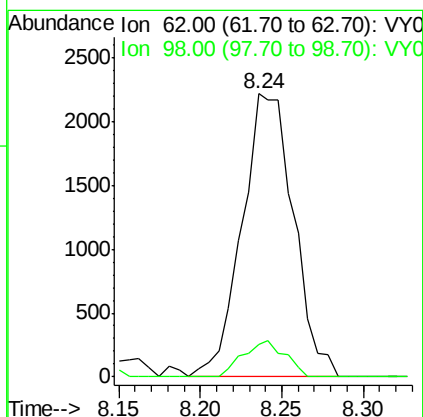
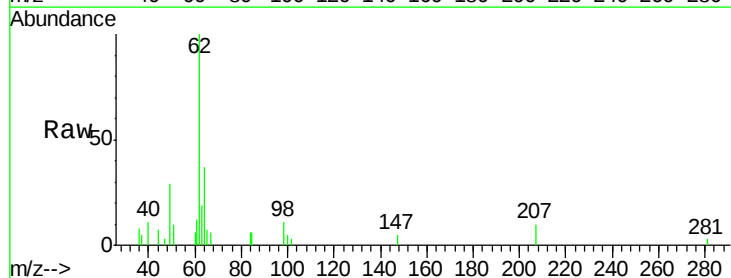
Acq: 19 Nov 2020 17:16

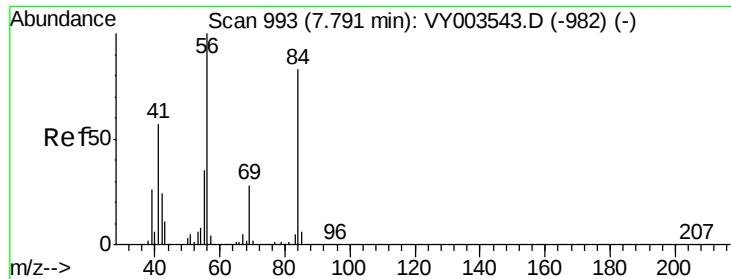
Tgt Ion: 62 Resp: 4881

Ion Ratio Lower Upper

62 100

98 11.3 7.7 11.5





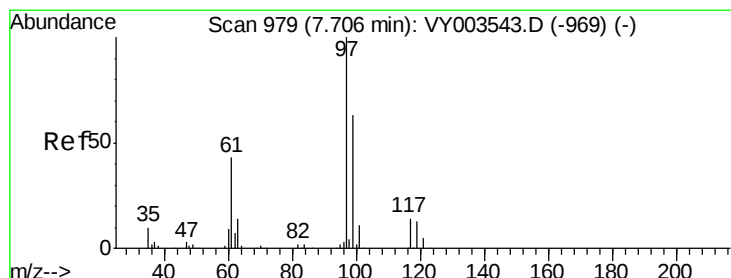
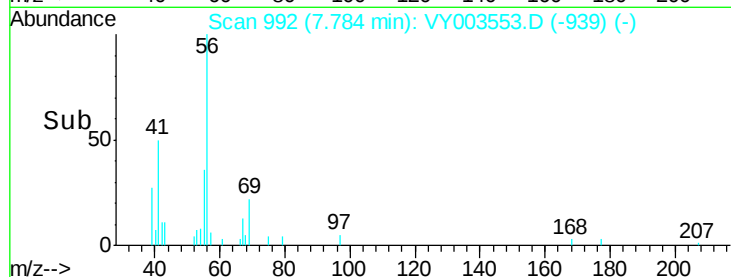
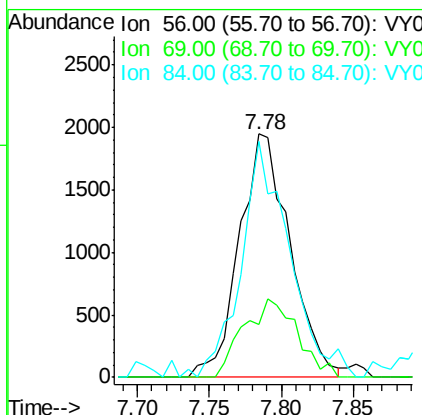
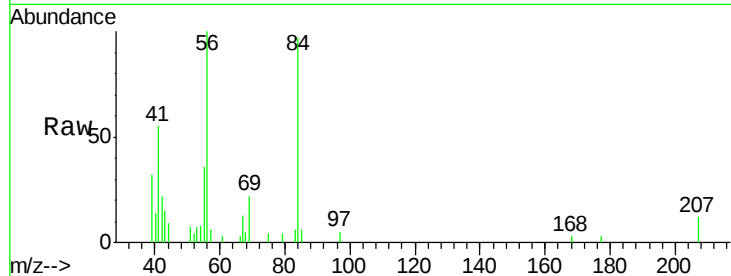
#30
Cyclohexane
Concen: 0.923 ug/L
RT: 7.78 min Scan# 992
Delta R.T. -0.01 min
Lab File: VY003553.D
Acq: 19 Nov 2020 17:16

Instrument :
MSVOA_Y
ClientSampleId :
MDL06

Tot Ion	Ratio	Lower	Upper
56	100		
69	21.1	23.3	34.9#
84	89.4	69.9	104.9

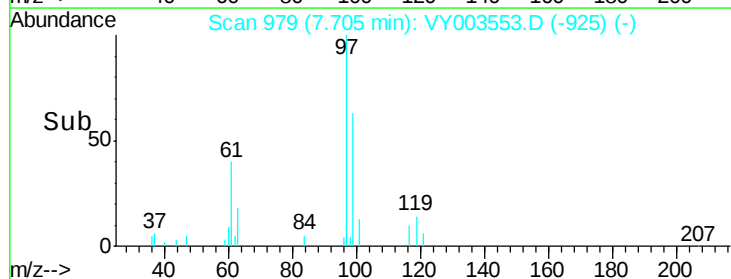
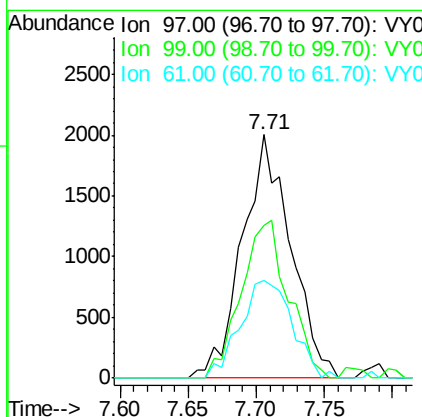
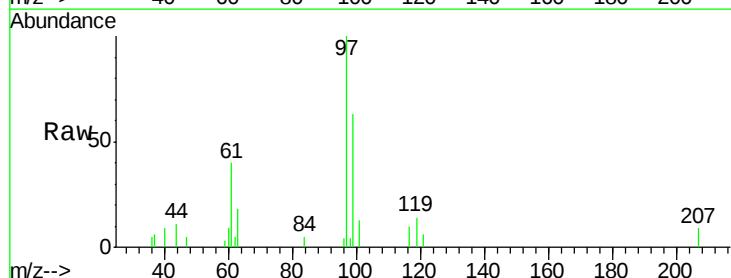
Manual Integrations
APPROVED

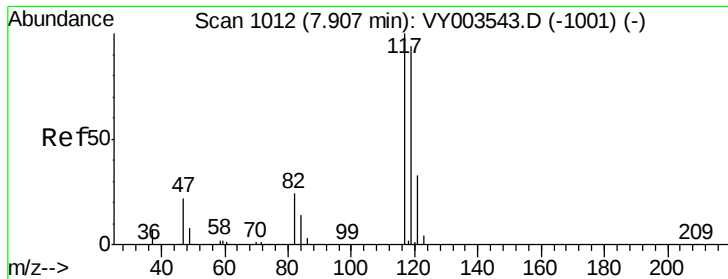
MMDadoda
11/20/2020 10:23:01 AM



#31
1,1,1-Trichloroethane
Concen: 1.081 ug/L
RT: 7.71 min Scan# 979
Delta R.T. -0.00 min
Lab File: VY003553.D
Acq: 19 Nov 2020 17:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	52.1	78.1
61	42.7	34.9	52.3





#32

Carbon tetrachloride

Concen: 1.088 ug/L

RT: 7.91 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VY003553.D

Acq: 19 Nov 2020 17:16

Instrument :

MSVOA_Y

ClientSampleId :

MDL06

Tot Ion:117 Resp: 4778

Ion Ratio Lower Upper

117 100

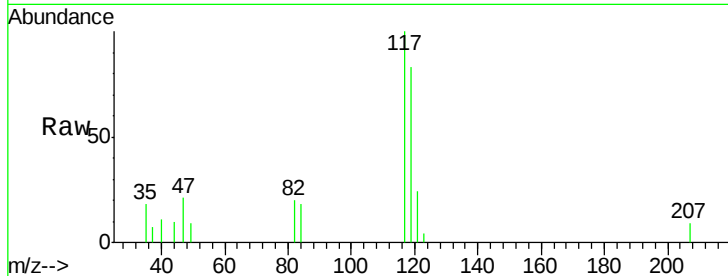
119 90.8 76.2 114.4

Manual Integrations

APPROVED

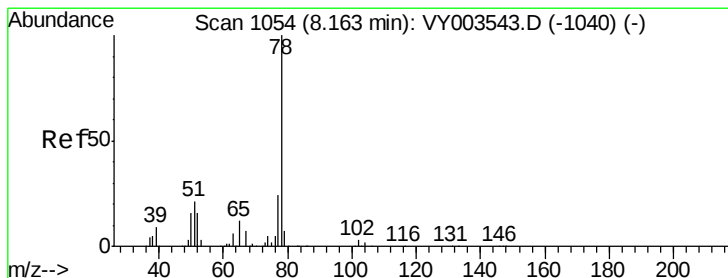
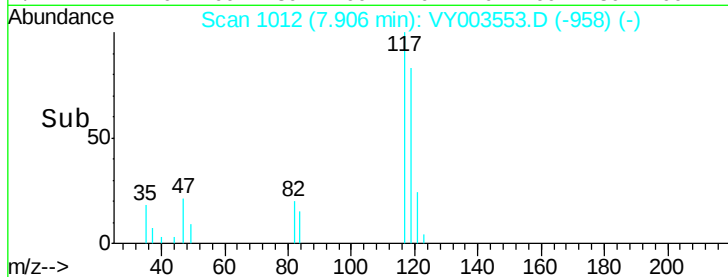
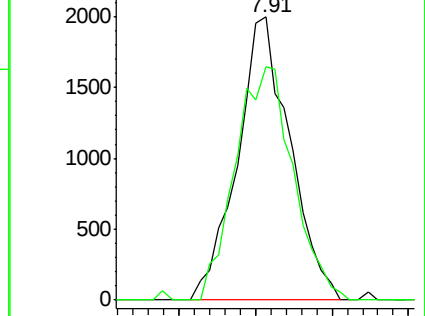
MMDadoda

11/20/2020 10:23:01 AM



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 1.139 ug/L

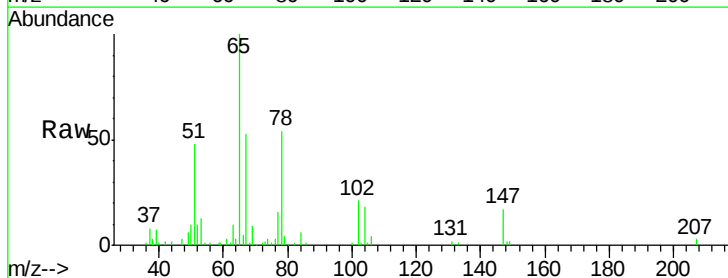
RT: 8.17 min Scan# 1055

Delta R.T. 0.01 min

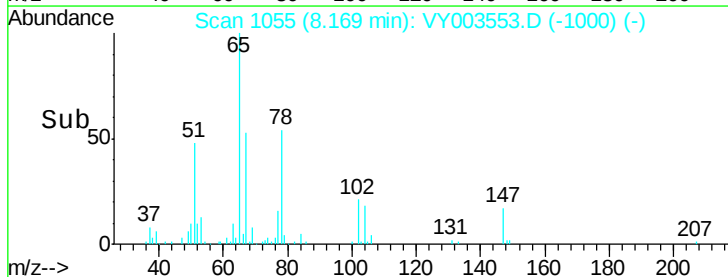
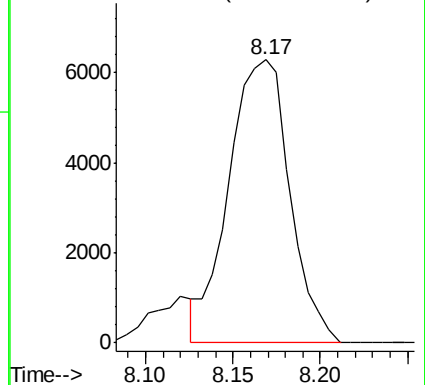
Lab File: VY003553.D

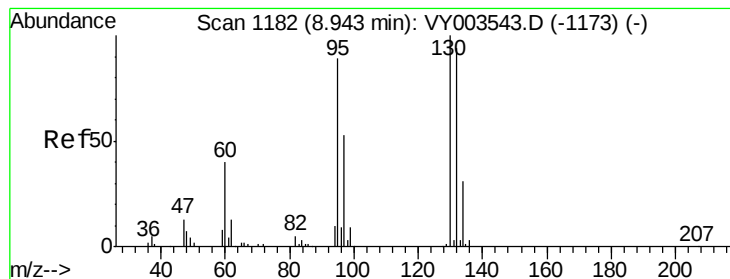
Acq: 19 Nov 2020 17:16

Tgt Ion: 78 Resp: 15259



Abundance Ion 78.00 (77.70 to 78.70): VY0





#35

Trichloroethene

Concen: 1.119 ug/L

RT: 8.95 min Scan# 1183

Delta R.T. 0.01 min

Lab File: VY003553.D

Acq: 19 Nov 2020 17:16

Instrument :

MSVOA_Y

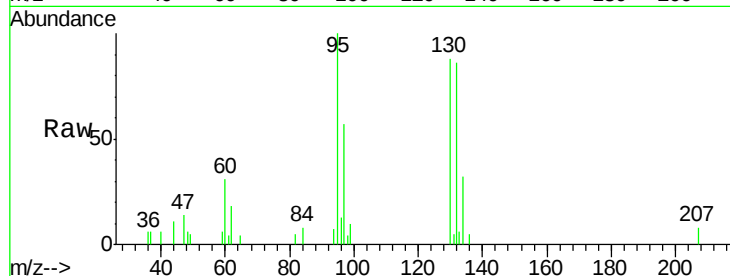
ClientSampleId :

MDL06

Tot Ion	95	Resp:	3795
Ion	Ratio	Lower	Upper
95	100		
97	64.0	44.5	82.7
132	99.9	73.1	135.7
130	105.2	76.1	141.3

Manual Integrations
APPROVED

MMDadoda
11/20/2020 10:23:01 AM

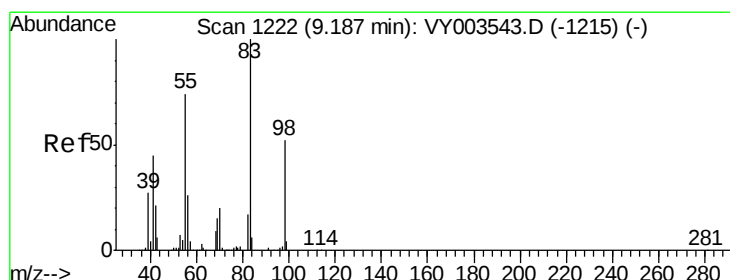
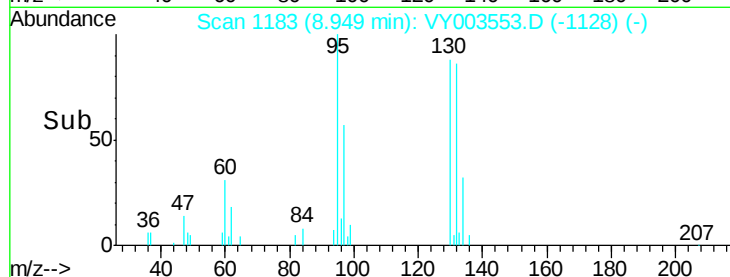
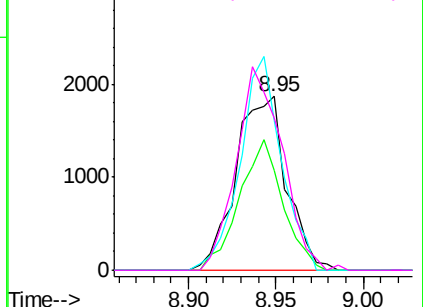


Abundance Ion 95.00 (94.70 to 95.70): VY0

Ion 97.00 (96.70 to 97.70): VY0

Ion 132.00 (131.70 to 132.70): VY0

Ion 130.00 (129.70 to 130.70): VY0



#36

Methylcyclohexane

Concen: 0.984 ug/L m

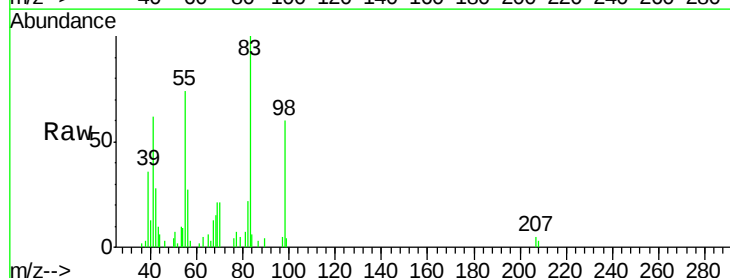
RT: 9.19 min Scan# 1222

Delta R.T. -0.00 min

Lab File: VY003553.D

Acq: 19 Nov 2020 17:16

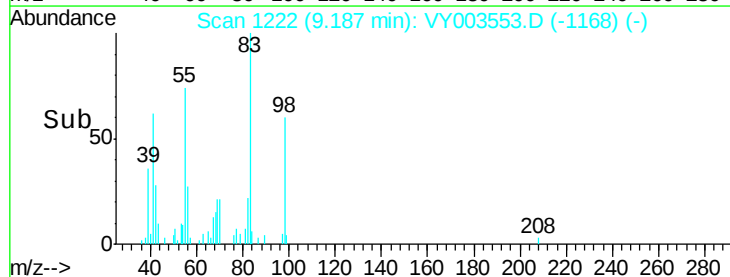
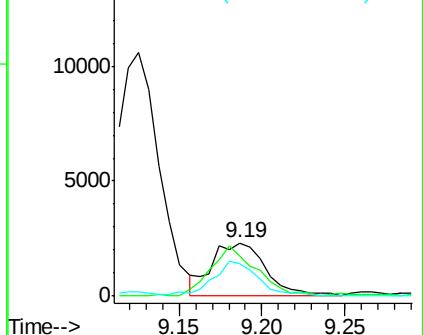
Tgt Ion	83	Resp:	5216
Ion	Ratio	Lower	Upper
83	100		
55	78.0	60.8	91.2
98	54.9	40.6	61.0

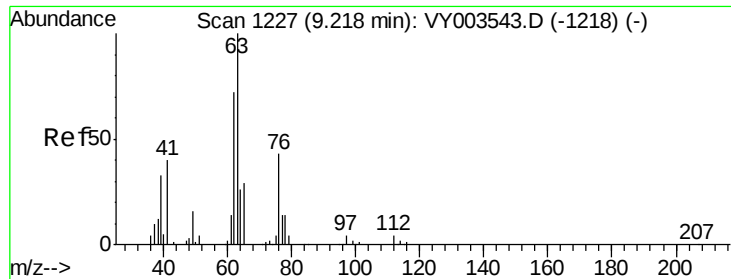


Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 98.00 (97.70 to 98.70): VY0





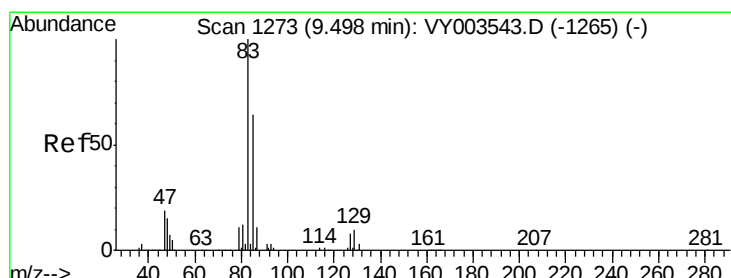
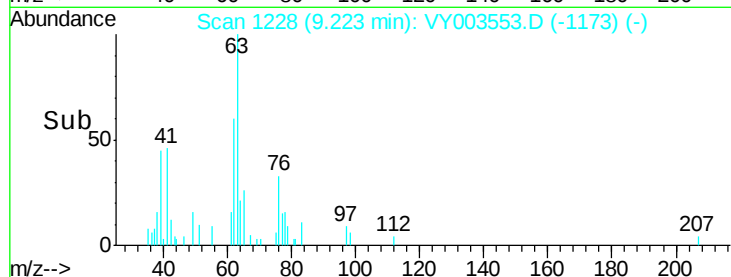
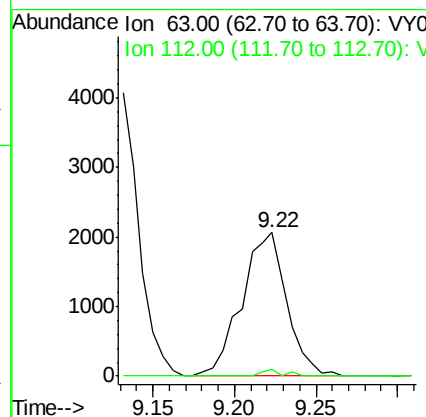
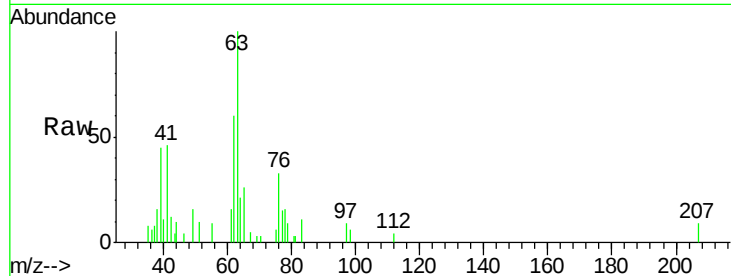
#40
 1,2-Dichloropropane
 Concen: 1.206 ug/L
 RT: 9.22 min Scan# 1228
 Delta R.T. 0.01 min
 Lab File: VY003553.D
 Acq: 19 Nov 2020 17:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL06

Tot Ion: 63 Resp: 3983
 Ion Ratio Lower Upper
 63 100
 112 1.4 3.5 5.3#

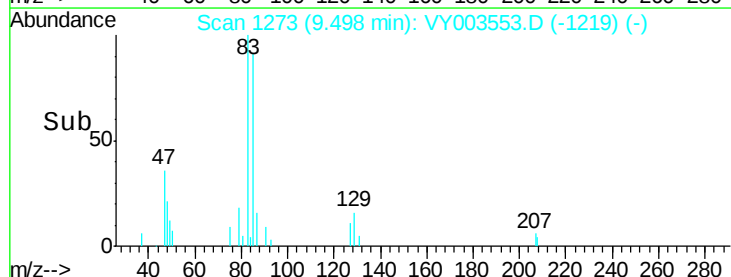
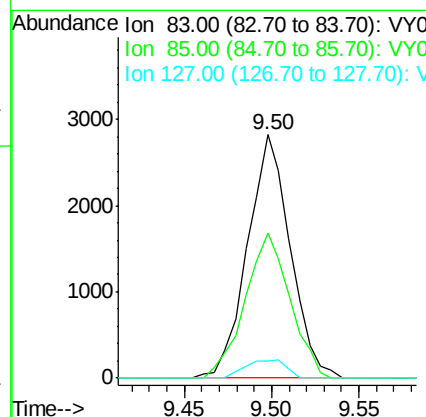
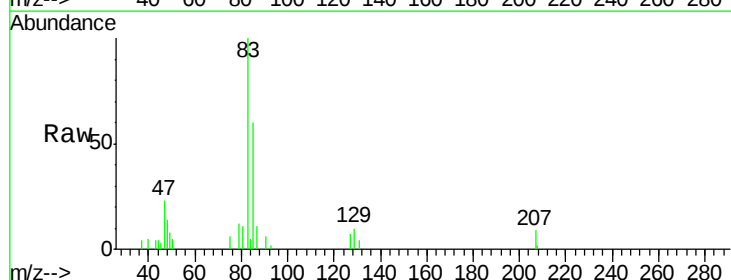
Manual Integrations
 APPROVED

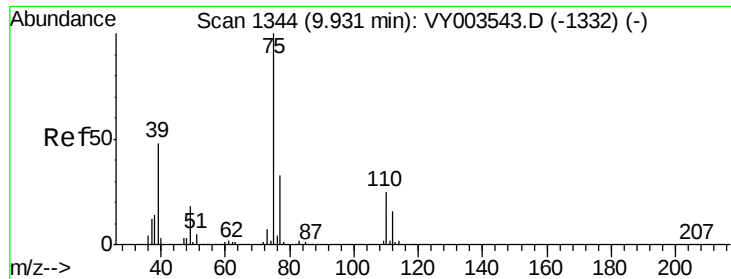
MMDadoda
 11/20/2020 10:23:01 AM



#41
 Bromodichloromethane
 Concen: 1.137 ug/L
 RT: 9.50 min Scan# 1273
 Delta R.T. -0.00 min
 Lab File: VY003553.D
 Acq: 19 Nov 2020 17:16

Tgt Ion: 83 Resp: 4790
 Ion Ratio Lower Upper
 83 100
 85 59.6 45.1 83.7
 127 7.0 6.8 10.2





#42

cis-1,3-Dichloropropene

Concen: 1.130 ug/L

RT: 9.93 min Scan# 1344

Delta R.T. -0.00 min

Lab File: VY003553.D

Acq: 19 Nov 2020 17:16

Instrument :

MSVOA_Y

ClientSampleId :

MDL06

Tot Ion: 75 Resp: 5882

Ion Ratio Lower Upper

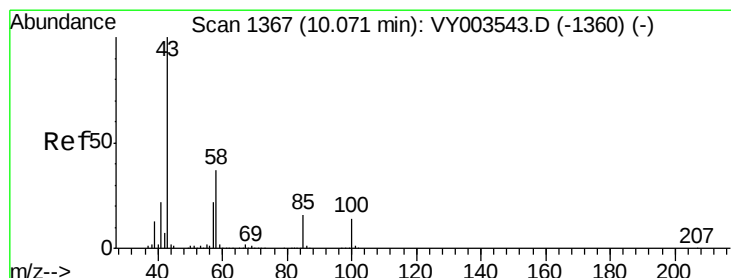
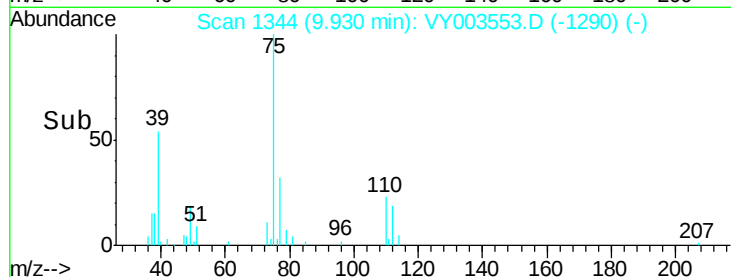
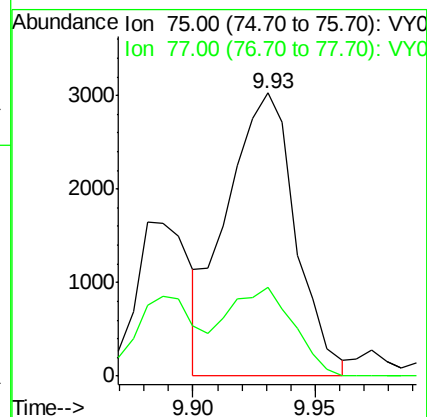
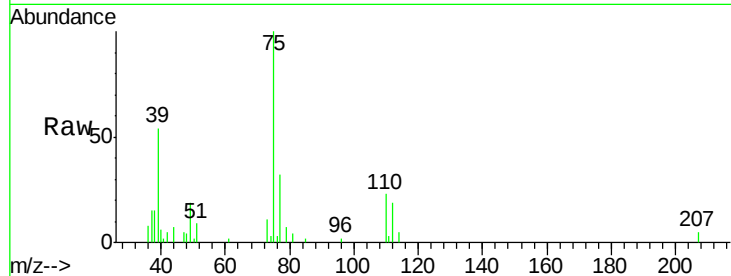
75 100

77 31.5 23.2 43.0

Manual Integrations
APPROVED

MMDadoda

11/20/2020 10:23:01 AM



#43

4-Methyl-2-pentanone

Concen: 2.141 ug/L

RT: 10.07 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VY003553.D

Acq: 19 Nov 2020 17:16

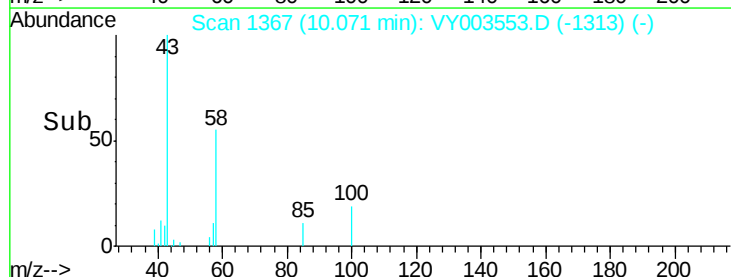
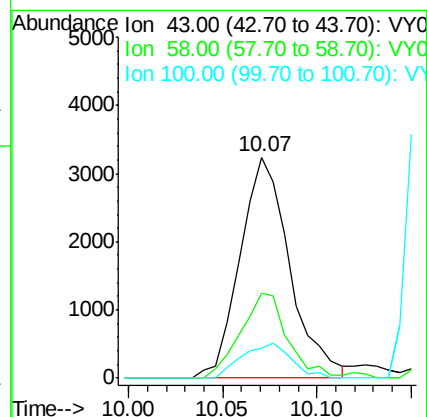
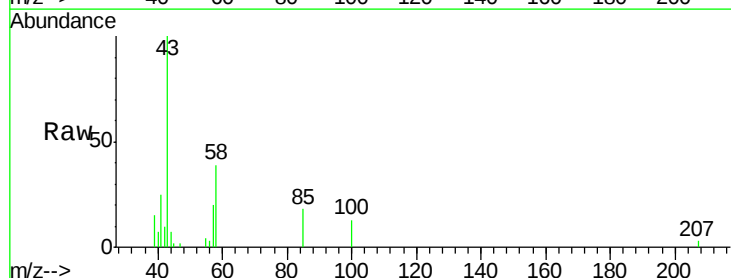
Tgt Ion: 43 Resp: 5914

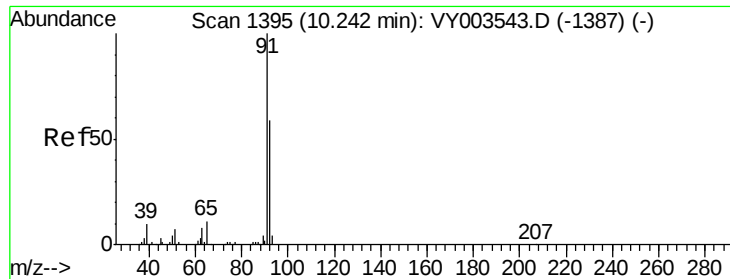
Ion Ratio Lower Upper

43 100

58 36.3 30.2 45.2

100 15.6 11.7 17.5





#44

Toluene

Concen: 1.135 ug/L

RT: 10.24 min Scan# 1395

Delta R.T. -0.00 min

Lab File: VY003553.D

Acq: 19 Nov 2020 17:16

Instrument :

MSVOA_Y

ClientSampled :

MDL06

Tot Ion: 91 Resp: 16023

Ion Ratio Lower Upper

91 100

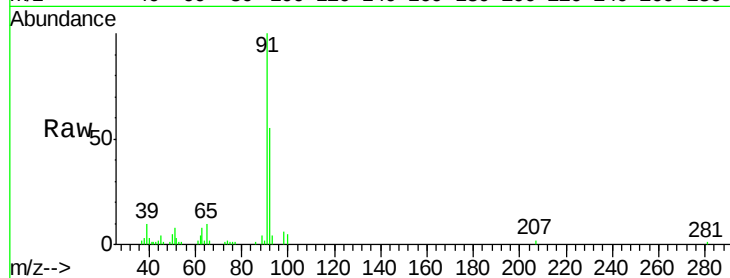
92 55.4 41.0 76.2

Manual Integrations

APPROVED

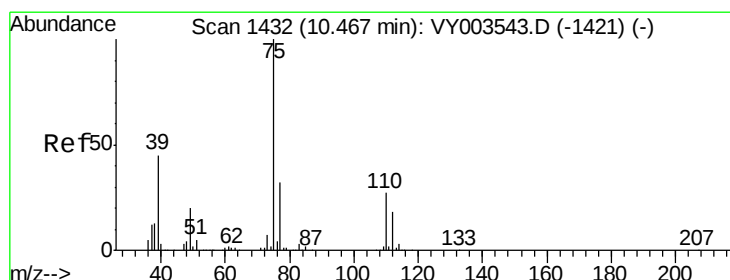
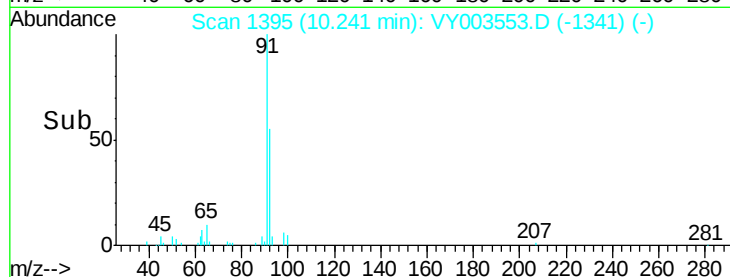
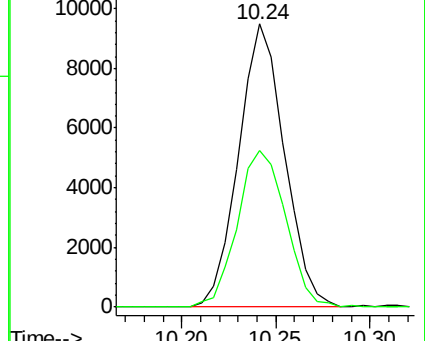
MMDadoda

11/20/2020 10:23:01 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: 1.539 ug/L

RT: 10.46 min Scan# 1431

Delta R.T. -0.01 min

Lab File: VY003553.D

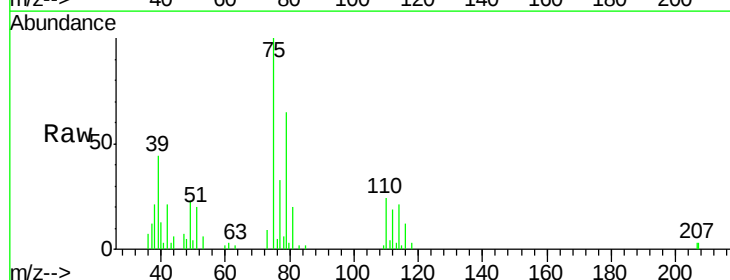
Acq: 19 Nov 2020 17:16

Tgt Ion: 75 Resp: 7381

Ion Ratio Lower Upper

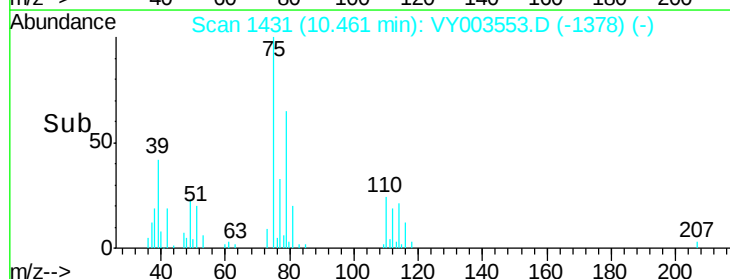
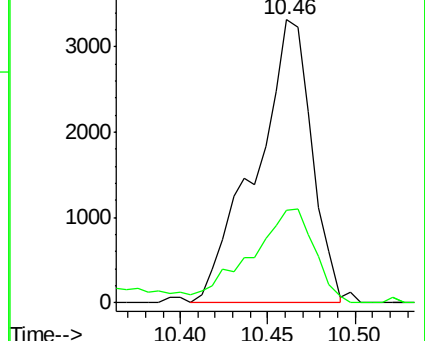
75 100

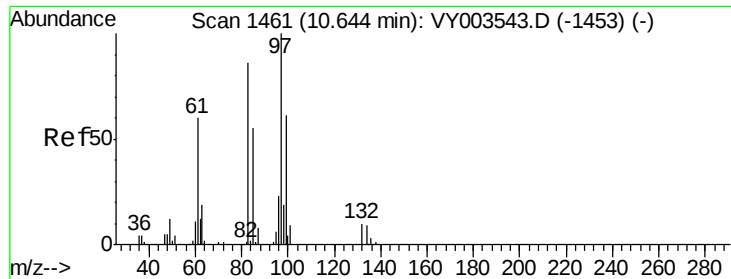
77 32.6 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 77.00 (76.70 to 77.70): VY0





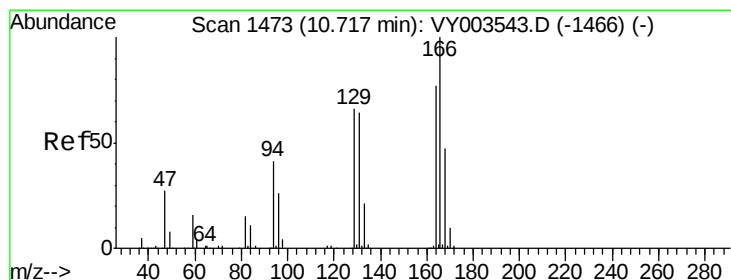
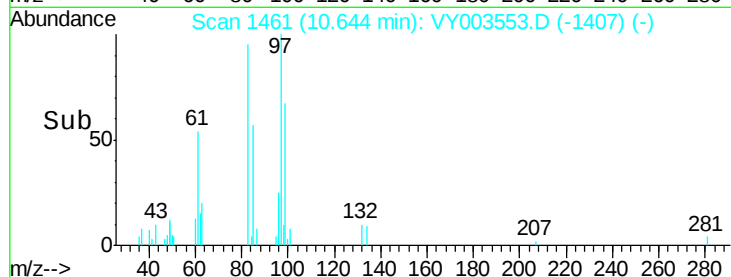
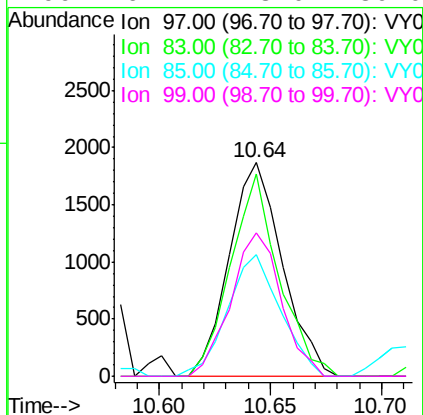
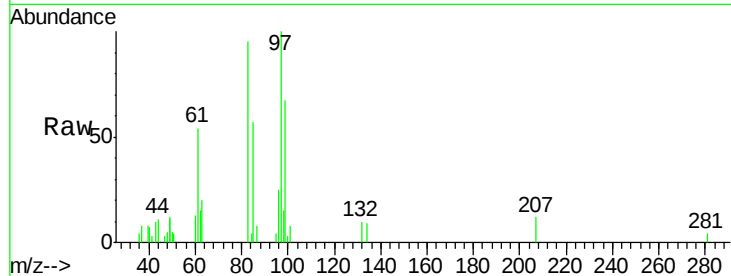
#46
1,1,2-Trichloroethane
Concen: 1.180 ug/L
RT: 10.64 min Scan# 1461
Delta R.T. -0.00 min
Lab File: VY003553.D
Acq: 19 Nov 2020 17:16

Instrument :
MSVOA_Y
ClientSampleId :
MDL06

Tot Ion	Ratio	Lower	Upper
97	100		
83	94.6	60.1	111.5
85	57.0	38.9	72.2
99	67.4	43.0	80.0

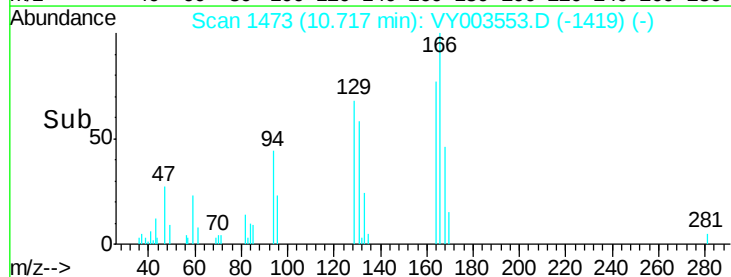
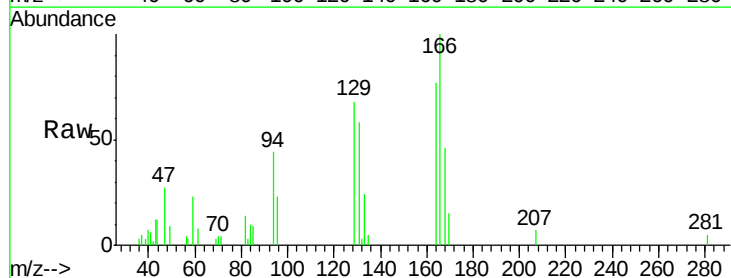
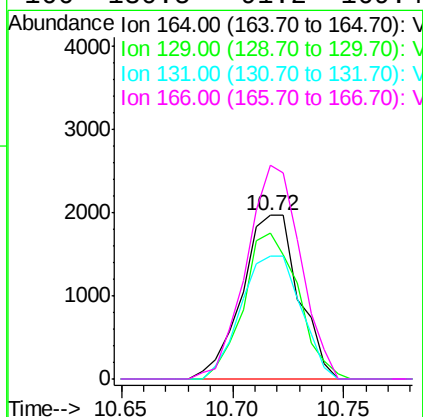
Manual Integrations
APPROVED

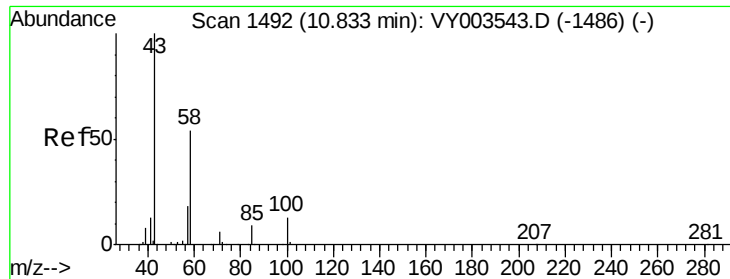
MMDadoda
11/20/2020 10:23:01 AM



#47
Tetrachloroethene
Concen: 1.192 ug/L
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY003553.D
Acq: 19 Nov 2020 17:16

Tgt Ion	Ratio	Lower	Upper
164	100		
129	88.9	60.6	112.6
131	75.1	58.7	109.1
166	130.5	91.2	169.4





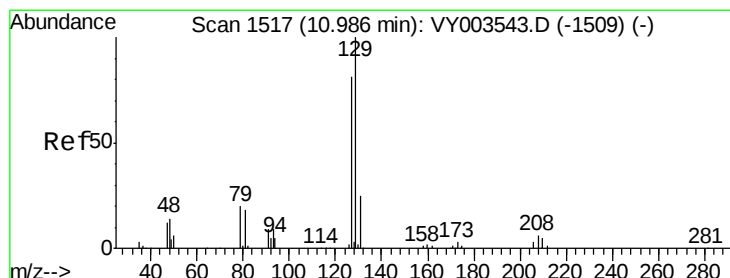
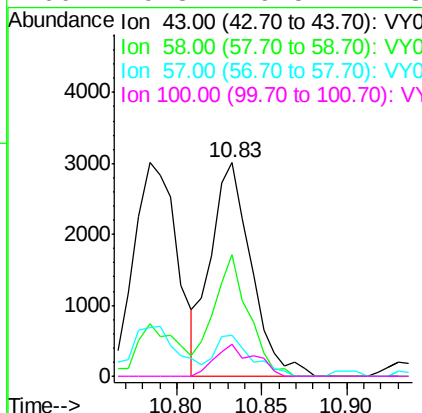
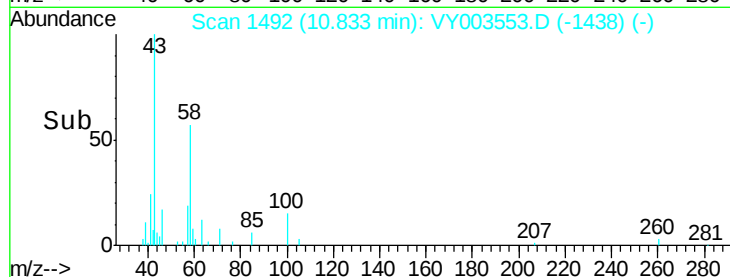
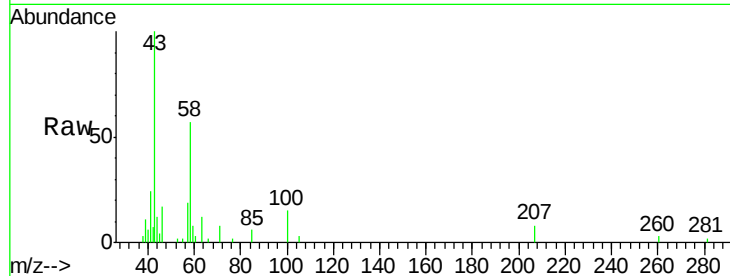
#49
2-Hexanone
Concen: 2.278 ug/L m
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY003553.D
Acq: 19 Nov 2020 17:16

Instrument :
MSVOA_Y
ClientSampleId :
MDL06

Tot Ion:	43	Resp:	4971
Ion	Ratio	Lower	Upper
43	100		
58	49.5	42.1	63.1
57	17.7	14.2	21.2
100	9.8	9.5	14.3

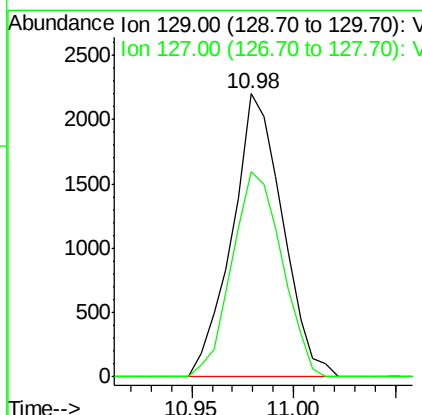
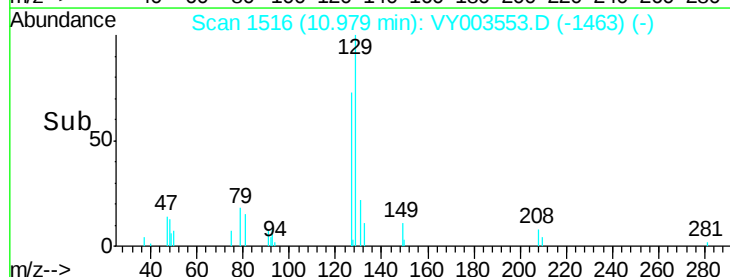
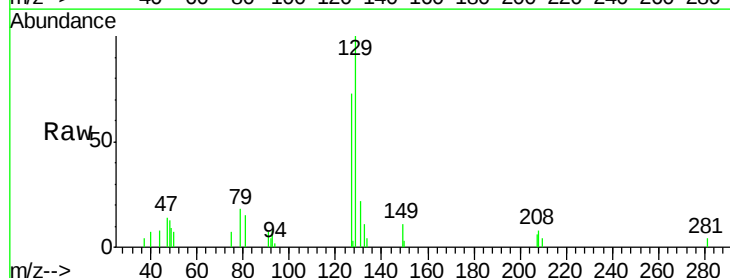
Manual Integrations
APPROVED

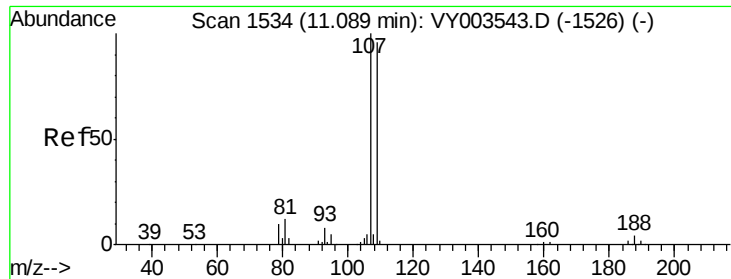
MMDadoda
11/20/2020 10:23:01 AM



#50
Dibromochloromethane
Concen: 1.187 ug/L
RT: 10.98 min Scan# 1516
Delta R.T. -0.01 min
Lab File: VY003553.D
Acq: 19 Nov 2020 17:16

Tgt Ion:	129	Resp:	3777
Ion	Ratio	Lower	Upper
129	100		
127	72.8	56.6	105.0





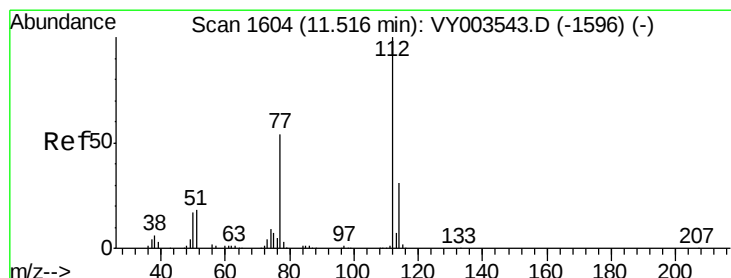
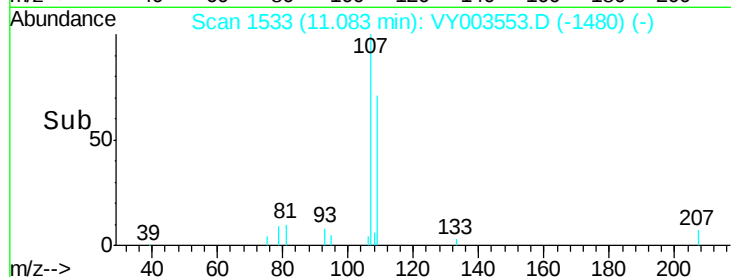
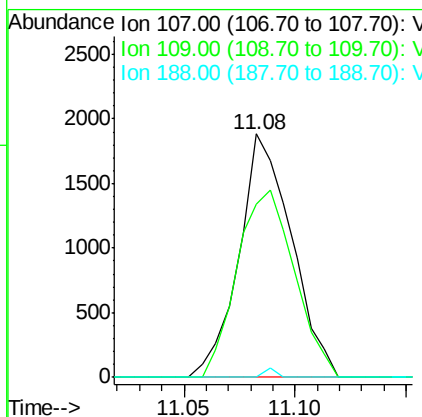
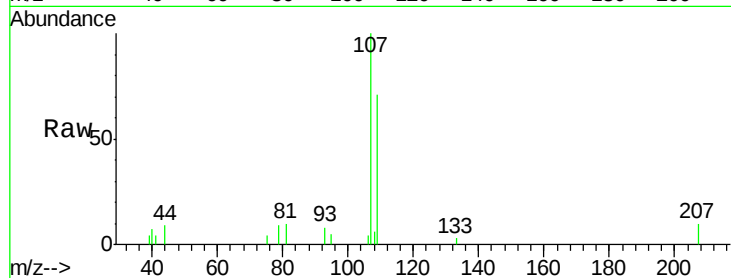
#51
 1,2-Dibromoethane
 Concen: 1.178 ug/L
 RT: 11.08 min Scan# 1533
 Delta R.T. -0.01 min
 Lab File: VY003553.D
 Acq: 19 Nov 2020 17:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL06

Tot Ion	Ratio	Lower	Upper
107	100		
109	70.9	66.8	124.2
188	0.0	3.3	4.9#

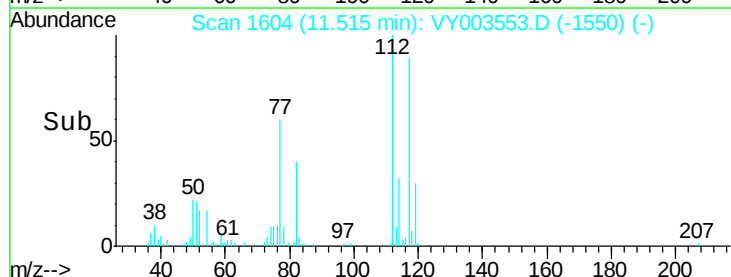
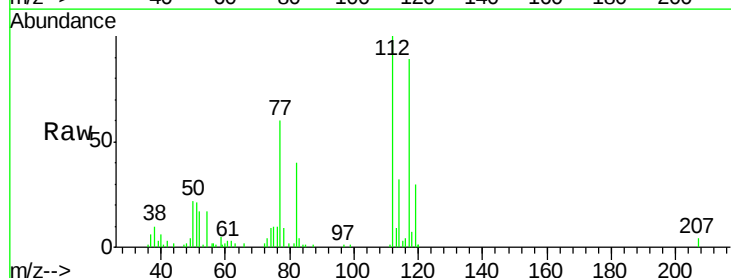
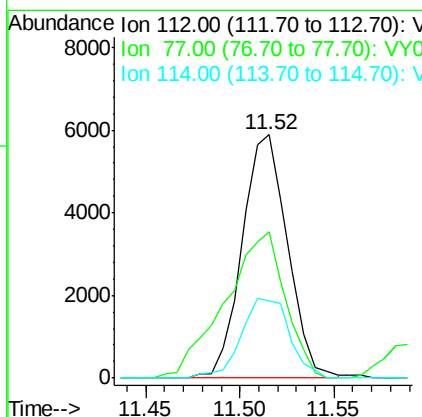
Manual Integrations
 APPROVED

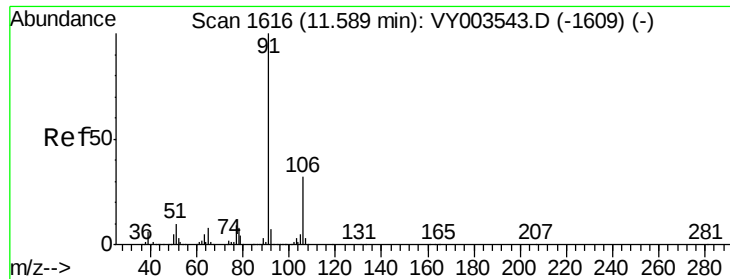
MMDadoda
 11/20/2020 10:23:01 AM



#52
 Chlorobenzene
 Concen: 1.088 ug/L
 RT: 11.52 min Scan# 1604
 Delta R.T. -0.00 min
 Lab File: VY003553.D
 Acq: 19 Nov 2020 17:16

Tgt Ion	Ratio	Lower	Upper
112	100		
77	60.0	43.3	64.9
114	31.5	21.9	40.7





#53

Ethylbenzene

Concen: 1.059 ug/L

RT: 11.59 min Scan# 1616

Delta R.T. -0.00 min

Lab File: VY003553.D

Acq: 19 Nov 2020 17:16

Instrument :

MSVOA_Y

ClientSampleId :

MDL06

Tot Ion: 91 Resp: 15352

Ion Ratio Lower Upper

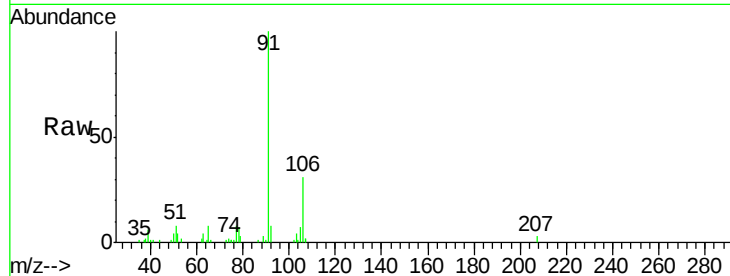
91 100

106 30.7 22.5 41.7

Manual Integrations
APPROVED

MMDadoda

11/20/2020 10:23:01 AM



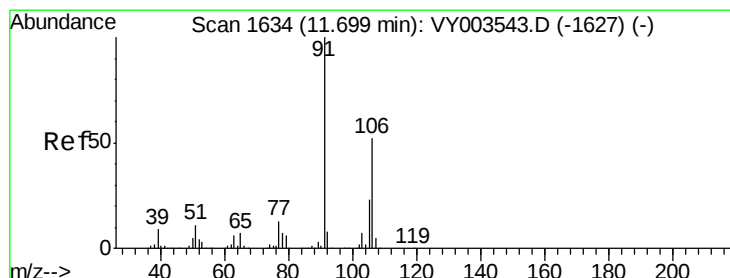
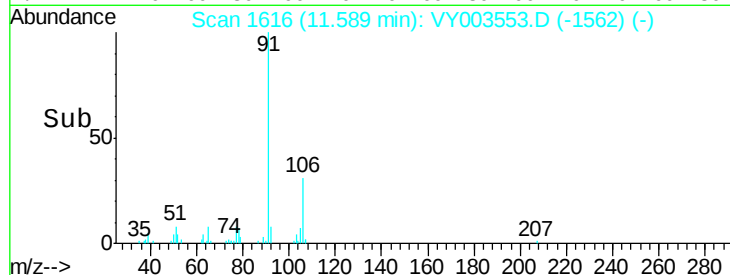
Abundance Ion 91.00 (90.70 to 91.70): VY003543.D (-1609) (-)

Ion 106.00 (105.70 to 106.70): VY003543.D (-1609) (-)

11.59

106.00

Time-->



#54

m,p-Xylene

Concen: 1.070 ug/L

RT: 11.70 min Scan# 1634

Delta R.T. -0.00 min

Lab File: VY003553.D

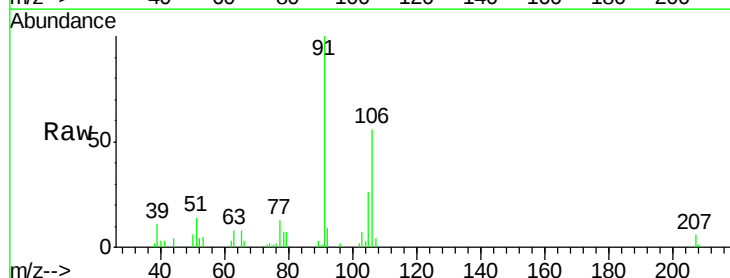
Acq: 19 Nov 2020 17:16

Tgt Ion: 106 Resp: 5972

Ion Ratio Lower Upper

106 100

91 180.0 135.6 251.8

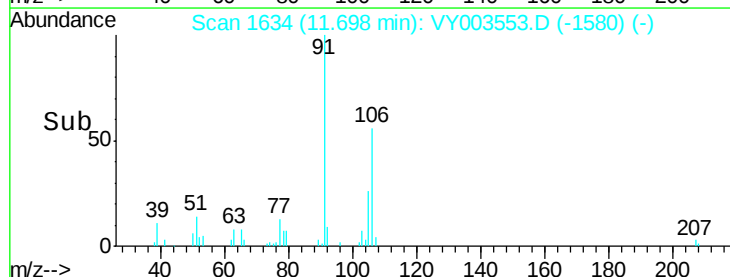


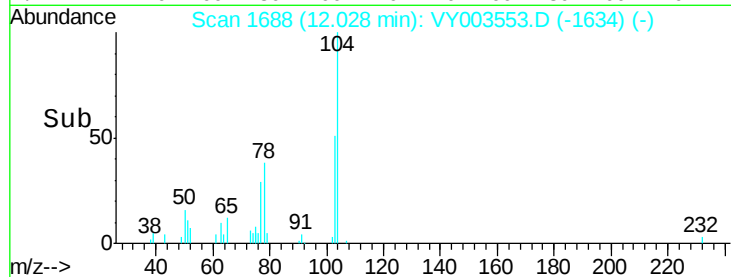
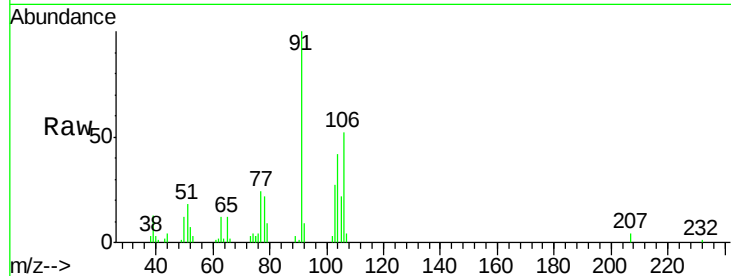
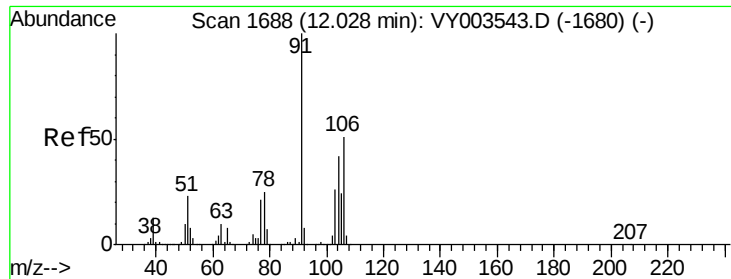
Abundance Ion 106.00 (105.70 to 106.70): VY003543.D (-1627) (-)

Ion 91.00 (90.70 to 91.70): VY003543.D (-1627) (-)

11.70

Time-->





#55

o-xylene

Concen: 1.023 ug/L

RT: 12.03 min Scan# 1688

Delta R.T. -0.00 min

Lab File: VY003553.D

Acq: 19 Nov 2020 17:16

Tot Ion:106 Resp: 4768

Ion Ratio Lower Upper

106 100

91 191.4 138.3 256.8

Instrument :

MSVOA_Y

ClientSampled :

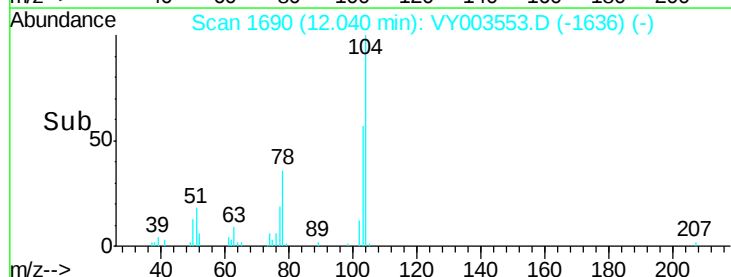
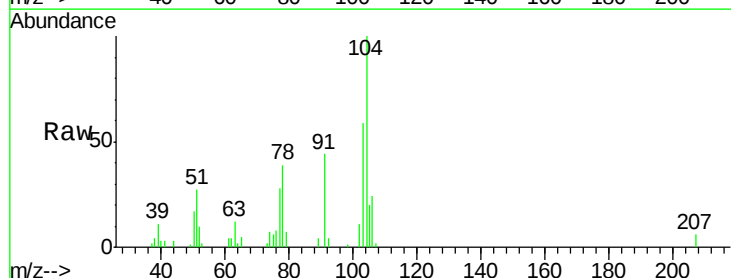
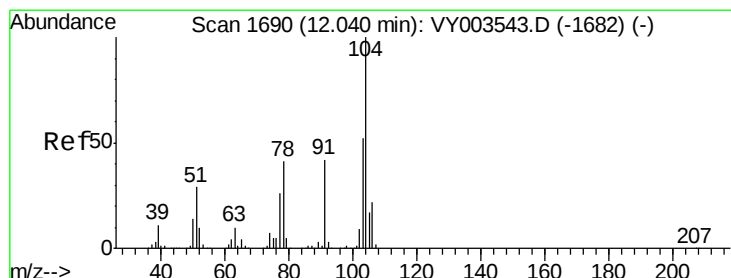
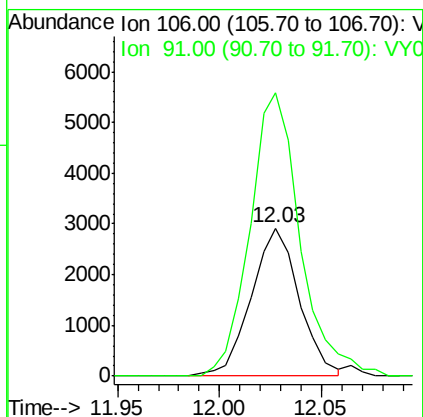
MDL06

Manual Integrations

APPROVED

MMDadoda

11/20/2020 10:23:01 AM



#56

Styrene

Concen: 1.000 ug/L

RT: 12.04 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VY003553.D

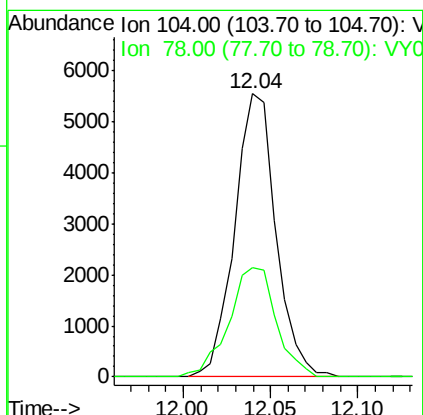
Acq: 19 Nov 2020 17:16

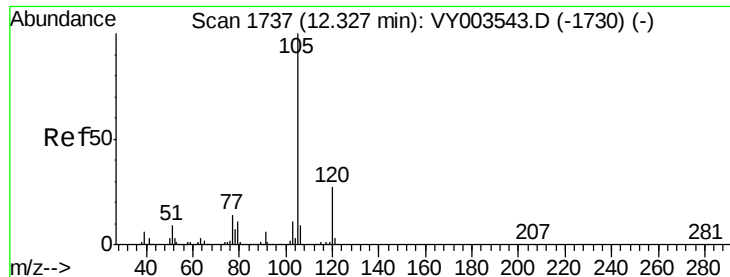
Tgt Ion:104 Resp: 9126

Ion Ratio Lower Upper

104 100

78 38.7 28.8 53.6





#57

Isopropylbenzene

Concen: 0.967 ug/L

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY003553.D

Acq: 19 Nov 2020 17:16

Instrument :

MSVOA_Y

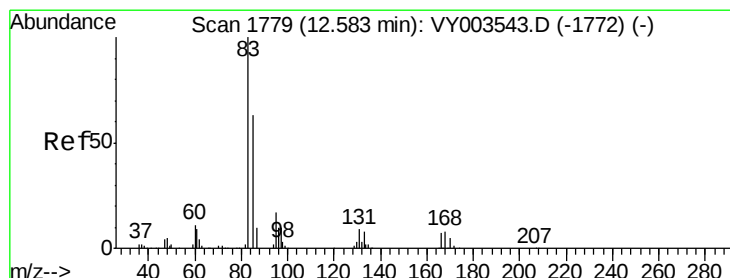
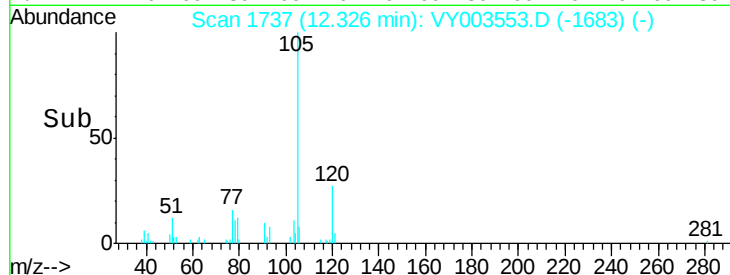
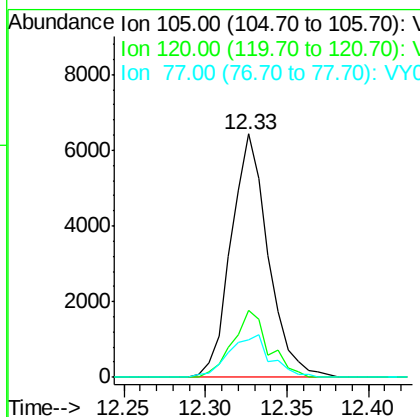
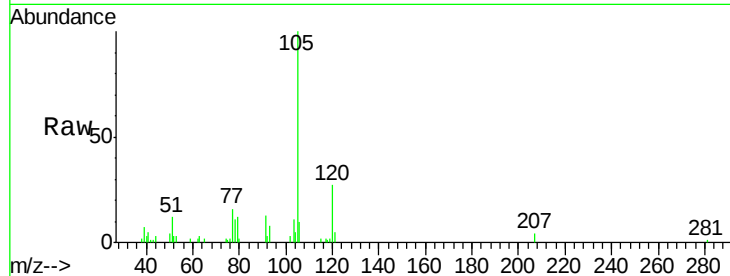
ClientSampleId :

MDL06

Tot Ion:	105	Resp:	10192
Ion Ratio	Lower	Upper	
105	100		
120	26.6	21.7	32.5
77	19.4	12.1	18.1#

Manual Integrations
APPROVED

MMDadoda
11/20/2020 10:23:01 AM



#58

1,1,2,2-Tetrachloroethane

Concen: 1.317 ug/L

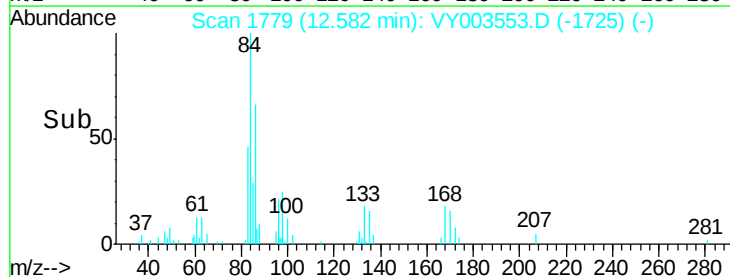
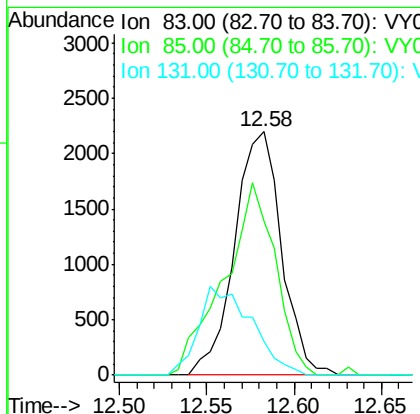
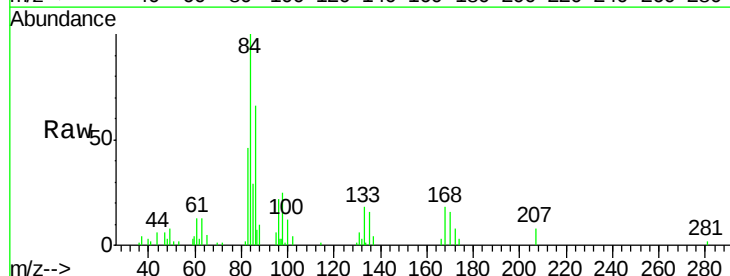
RT: 12.58 min Scan# 1779

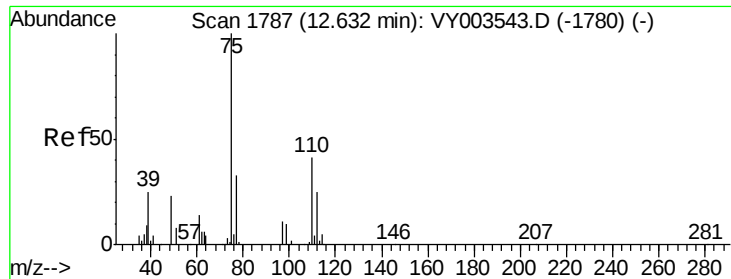
Delta R.T. -0.00 min

Lab File: VY003553.D

Acq: 19 Nov 2020 17:16

Tgt Ion:	83	Resp:	4098
Ion Ratio	Lower	Upper	
83	100		
85	63.5	44.8	83.2
131	19.8	7.3	10.9#





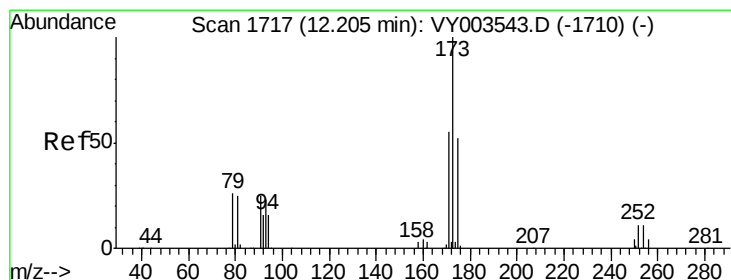
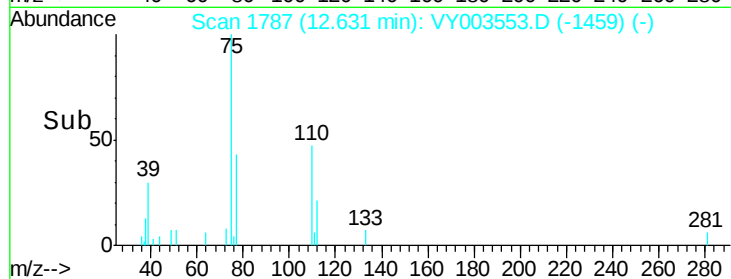
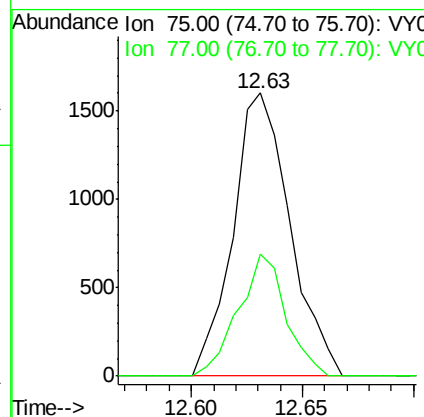
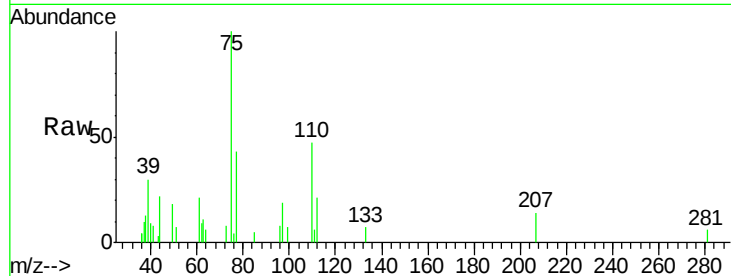
#59
 1,2,3-Trichloropropane
 Concen: 1.180 ug/L
 RT: 12.63 min Scan# 1787
 Delta R.T. -0.00 min
 Lab File: VY003553.D
 Acq: 19 Nov 2020 17:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL06

Tot Ion	Ratio	Lower	Upper
75	100		
77	35.8	26.2	39.2

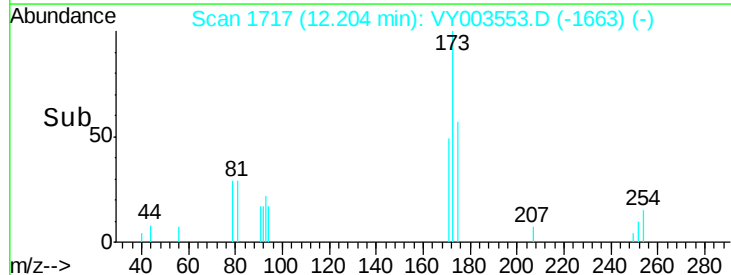
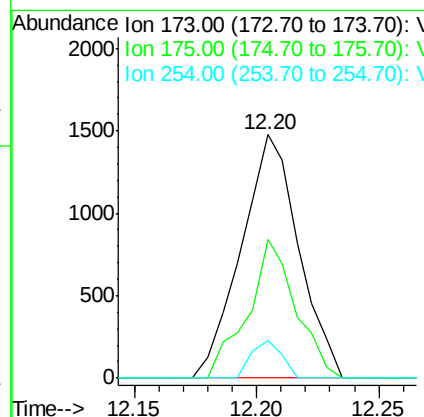
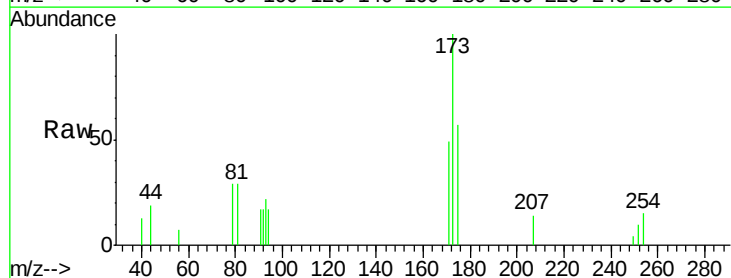
Manual Integrations
 APPROVED

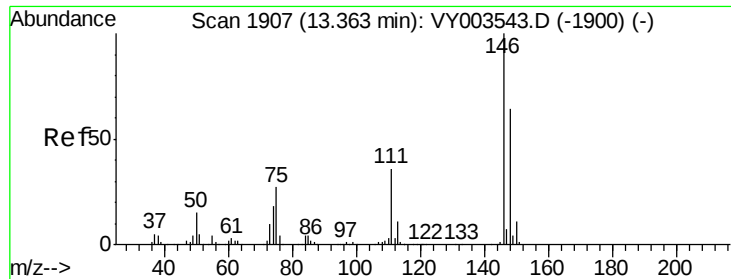
MMDadoda
 11/20/2020 10:23:01 AM



#62
 Bromoform
 Concen: 1.165 ug/L
 RT: 12.20 min Scan# 1717
 Delta R.T. -0.00 min
 Lab File: VY003553.D
 Acq: 19 Nov 2020 17:16

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.6	39.5	59.3
254	8.1	8.6	12.8#





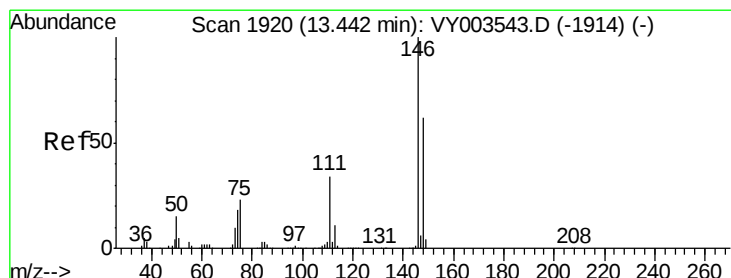
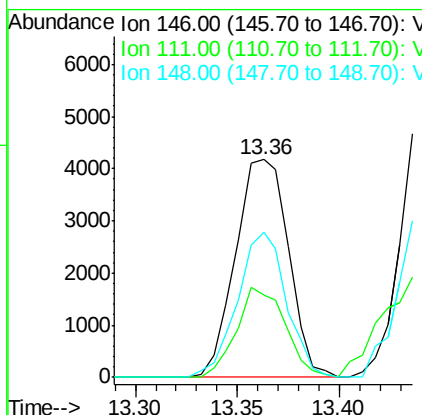
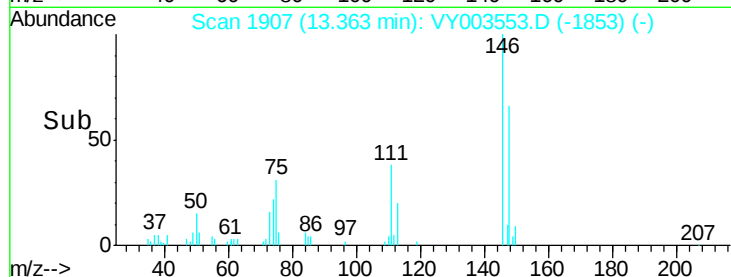
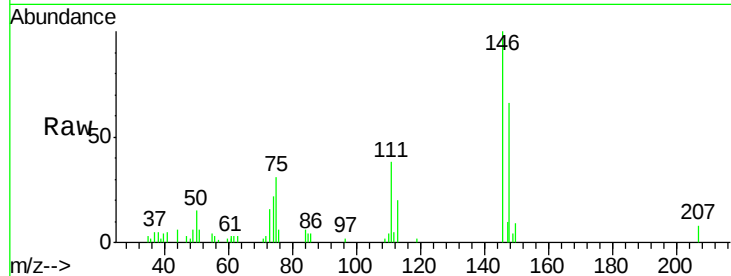
#63
 1,3-Dichlorobenzene
 Concen: 1.166 ug/L
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY003553.D
 Acq: 19 Nov 2020 17:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL06

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	25.1	46.5
148	66.3	44.7	82.9

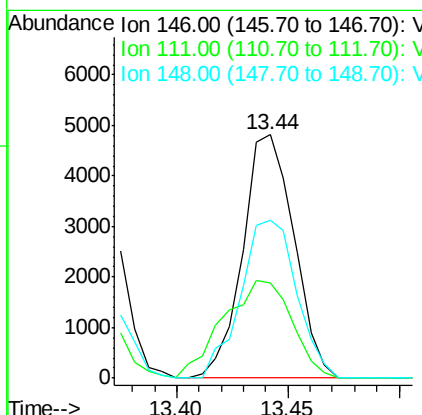
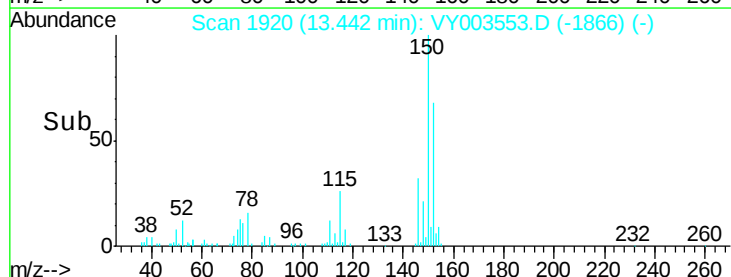
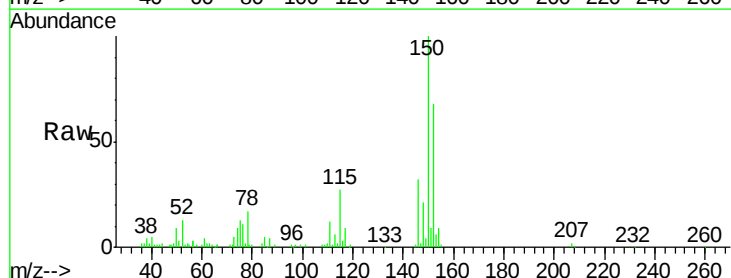
Manual Integrations
 APPROVED

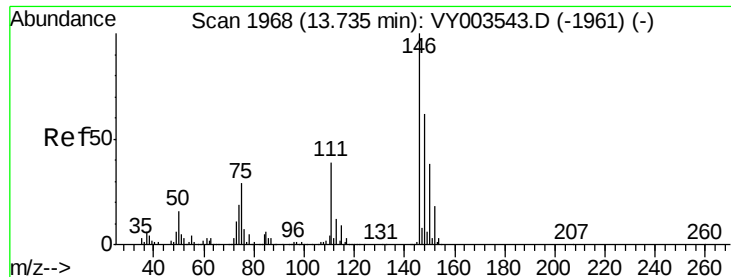
MMDadoda
 11/20/2020 10:23:01 AM



#64
 1,4-Dichlorobenzene
 Concen: 1.161 ug/L
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VY003553.D
 Acq: 19 Nov 2020 17:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	24.1	44.8
148	65.0	43.6	81.0





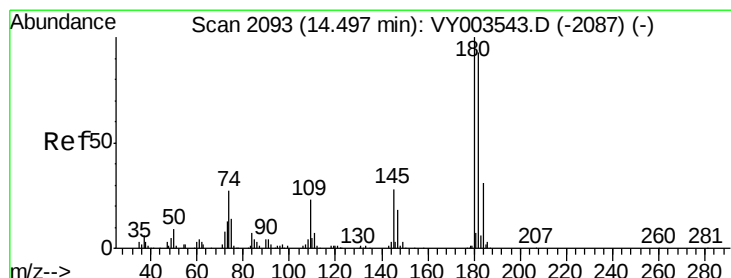
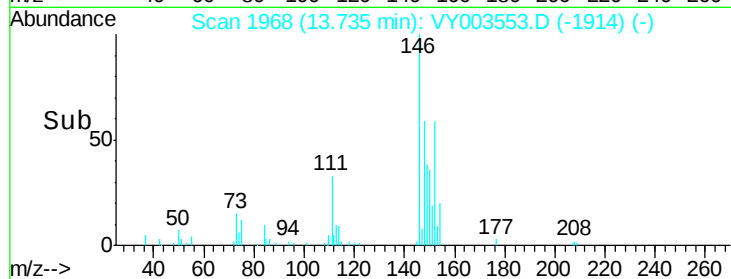
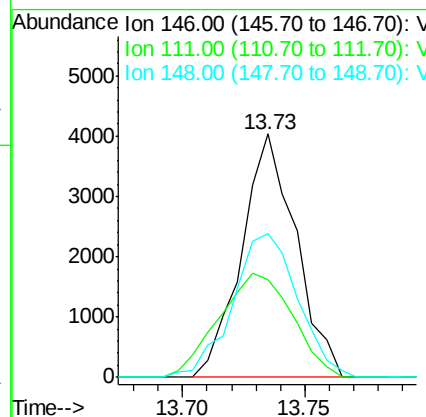
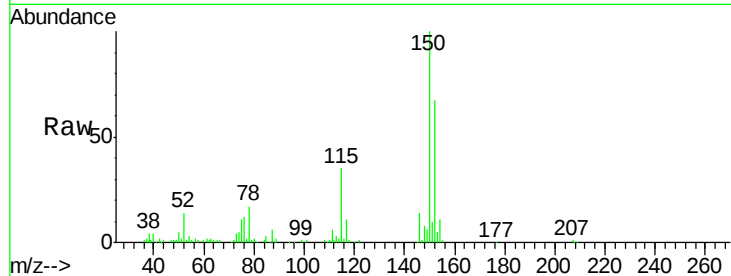
#65
 1,2-Dichlorobenzene
 Concen: 1.175 ug/L
 RT: 13.73 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VY003553.D
 Acq: 19 Nov 2020 17:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL06

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	31.0	46.6
148	59.2	49.8	74.8

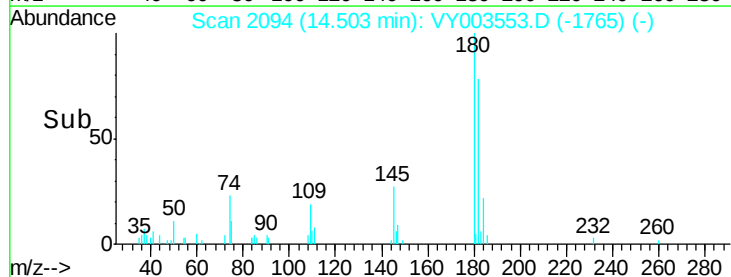
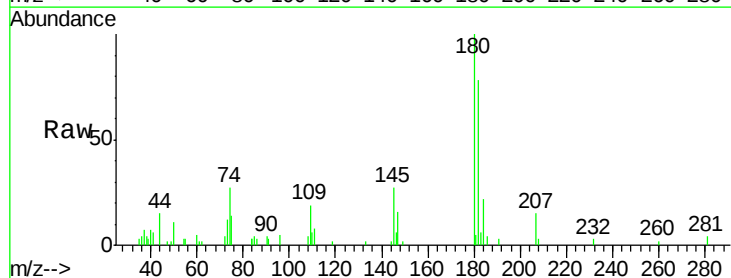
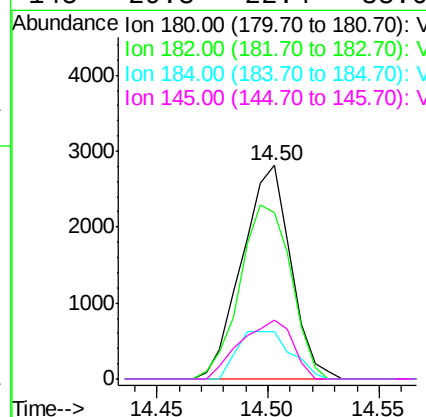
Manual Integrations
 APPROVED

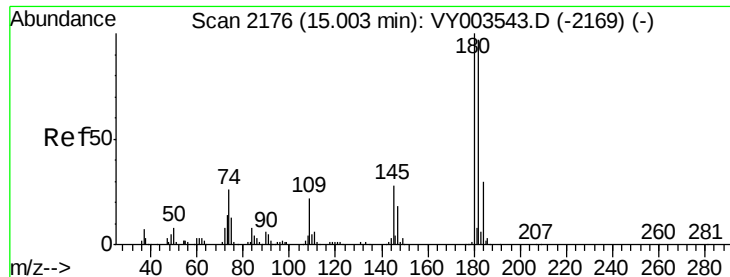
MMDadoda
 11/20/2020 10:23:01 AM



#67
 1,3,5-Trichlorobenzene
 Concen: 1.255 ug/L
 RT: 14.50 min Scan# 2094
 Delta R.T. 0.01 min
 Lab File: VY003553.D
 Acq: 19 Nov 2020 17:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	85.4	77.3	115.9
184	24.7	24.4	36.6
145	29.3	22.4	33.6





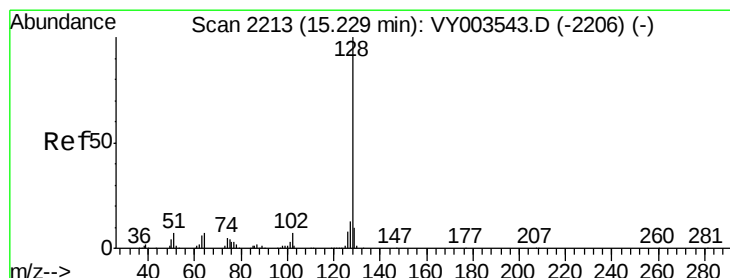
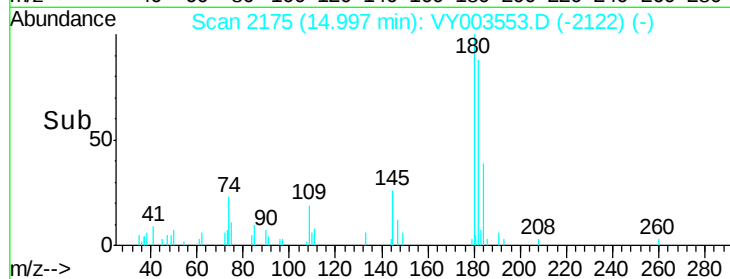
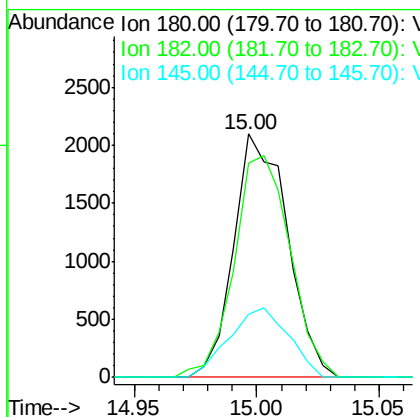
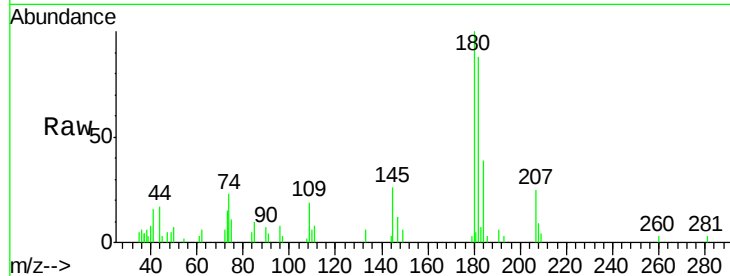
#68
 1,2,4-trichlorobenzene
 Concen: 1.085 ug/L
 RT: 15.00 min Scan# 2175
 Delta R.T. -0.01 min
 Lab File: VY003553.D
 Acq: 19 Nov 2020 17:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL06

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.5	114.7
145	31.8	22.8	34.2

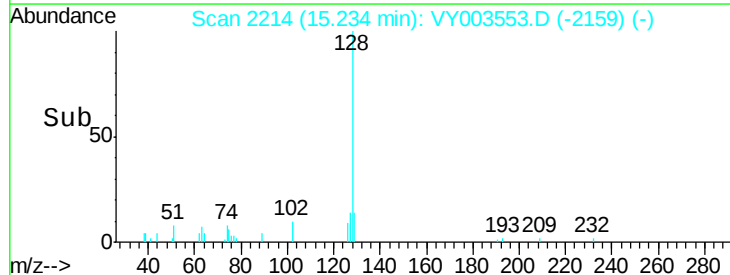
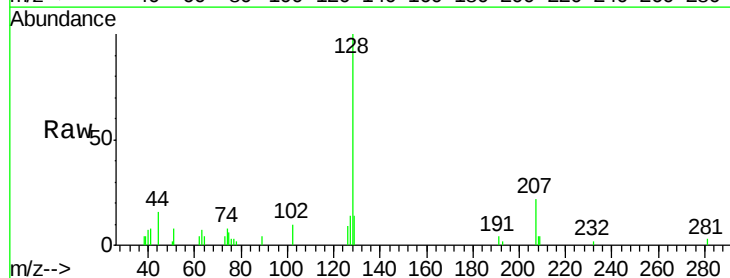
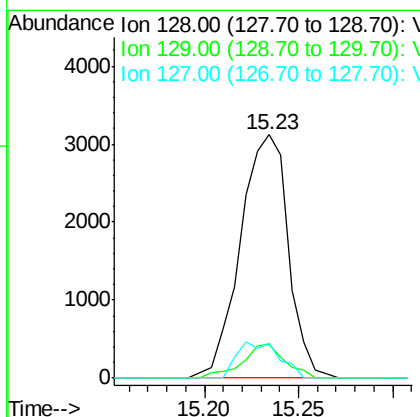
Manual Integrations
 APPROVED

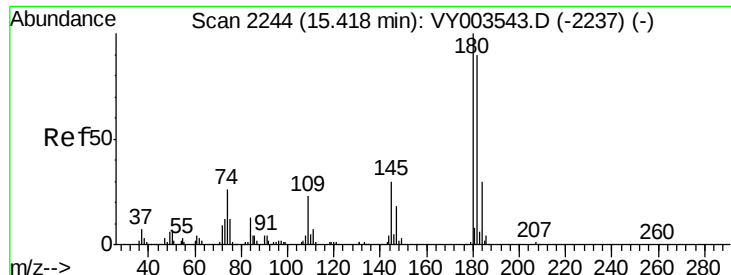
MMDadoda
 11/20/2020 10:23:01 AM



#69
 Naphthalene
 Concen: 1.054 ug/L
 RT: 15.23 min Scan# 2214
 Delta R.T. 0.01 min
 Lab File: VY003553.D
 Acq: 19 Nov 2020 17:16

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.6	8.5	12.7
127	13.2	10.2	15.2





#70
 1,2,3-Trichlorobenzene
 Concen: 1.218 ug/L
 RT: 15.42 min Scan# 2244
 Delta R.T. -0.00 min
 Lab File: VY003553.D
 Acq: 19 Nov 2020 17:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL06

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.1	76.5	114.7
145	29.2	25.2	37.8

Manual Integrations
 APPROVED

MMDadoda
 11/20/2020 10:23:01 AM

