

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120220\
 Data File : VY003645.D
 Acq On : 02 Dec 2020 12:21
 Operator : SY/MD
 Sample : MDL01
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL01

Manual Integrations
 APPROVED

MMDadoda
 12/3/2020 2:03:04 PM

Quant Time: Dec 03 01:28:32 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL120120SMA.M

Quant Title : VOC Analysis

QLast Update : Thu Dec 03 01:24:53 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	197145	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	184274	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	88021	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	56959	22.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.44%
7) Chloroethane-d5	2.77	69	46130	23.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.32%
11) 1,1-Dichloroethene-d2	3.86	63	89896	17.53	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	70.12%
21) 2-Butanone-d5	6.90	46	57385	51.89	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.78%
24) Chloroform-d	7.49	84	112835	22.56	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.24%
26) 1,2-Dichloroethane-d4	8.15	65	62734	23.17	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.68%
32) Benzene-d6	8.12	84	243781	23.28	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.12%
36) 1,2-Dichloropropane-d6	9.12	67	73165	22.94	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.76%
41) Toluene-d8	10.18	98	214303	22.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.64%
43) trans-1,3-Dichloropropene-	10.44	79	33026	22.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.48%
47) 2-Hexanone-d5	10.79	63	42305	49.64	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.28%
56) 1,1,2,2-Tetrachloroethane-	12.56	84	73416	22.76	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.04%
66) 1,2-Dichlorobenzene-d4	13.72	152	75369	24.13	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.52%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.91	85	3289	1.437 ug/L	99
3) Chloromethane	2.12	50	3495	1.408 ug/L	97
5) Vinyl chloride	2.26	62	3885	1.459 ug/L #	80
6) Bromomethane	2.66	94	2567	1.540 ug/L	91
8) Chloroethane	2.80	64	2260	1.359 ug/L	99
9) Trichlorofluoromethane	3.14	101	5885	1.456 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	3.91	101	3648	1.352 ug/L #	50
12) 1,1-Dichloroethene	3.89	96	4406m	1.719 ug/L	
13) Acetone	3.96	43	2716	3.427 ug/L	85
14) Carbon disulfide	4.21	76	11339	1.339 ug/L	95
15) Methyl Acetate	4.49	43	2736	1.434 ug/L	95
16) Methylene chloride	4.73	84	10327	3.103 ug/L	96
17) trans-1,2-Dichloroethene	5.23	96	3944	1.401 ug/L #	72
18) Methyl tert-butyl Ether	5.23	73	8646m	1.257 ug/L	
19) 1,1-Dichloroethane	6.04	63	6213m	1.311 ug/L	
20) cis-1,2-Dichloroethene	6.99	96	4041m	1.369 ug/L	
22) 2-Butanone	6.99	43	5773m	4.333 ug/L	

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Quant Time: Dec 03 01:28:32 2020
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 Quant Title : VOC Analysis
 QLast Update : Thu Dec 03 01:24:53 2020
 Response via : Initial Calibration

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

23) Bromochloromethane	7.35	128	1717	1.193	ug/L	82
25) Chloroform	7.51	83	6913	1.456	ug/L	94
27) 1,2-Dichloroethane	8.25	62	4361	1.396	ug/L #	95
29) Cyclohexane	7.79	56	5105	1.167	ug/L #	88
30) 1,1,1-Trichloroethane	7.71	97	5648	1.344	ug/L #	89
31) Carbon tetrachloride	7.91	117	5277	1.392	ug/L	97
33) Benzene	8.17	78	15107	1.341	ug/L	100
34) Trichloroethene	8.95	95	3803m	1.353	ug/L	
35) Methylcyclohexane	9.19	83	5749	1.196	ug/L	93
37) 1,2-Dichloropropane	9.22	63	3758	1.315	ug/L #	96
38) Bromodichloromethane	9.50	83	4733	1.315	ug/L #	97
39) cis-1,3-Dichloropropene	9.93	75	5590	1.266	ug/L	90
40) 4-Methyl-2-pentanone	10.07	43	7498	2.987	ug/L	99
42) Toluene	10.25	91	15395	1.301	ug/L	86
44) trans-1,3-Dichloropropene	10.47	75	6397	1.569	ug/L	97
45) 1,1,2-Trichloroethane	10.65	97	3176	1.323	ug/L	87
46) Tetrachloroethene	10.72	164	3488	1.450	ug/L	86
48) 2-Hexanone	10.83	43	5081	2.773	ug/L	98
49) Dibromochloromethane	10.98	129	3484	1.256	ug/L	93
50) 1,2-Dibromoethane	11.09	107	2868	1.235	ug/L #	95
51) Chlorobenzene	11.51	112	10454	1.371	ug/L	92
52) Ethylbenzene	11.59	91	15420	1.218	ug/L	99
53) m,p-Xylene	11.70	106	5786	1.169	ug/L	99
54) o-Xylene	12.03	106	5582	1.194	ug/L	83
55) Styrene	12.04	104	9036	1.129	ug/L	91
57) 1,1,2,2-Tetrachloroethane	12.58	83	4227	1.329	ug/L #	95
59) Bromoform	12.21	173	2324	1.345	ug/L	99
60) Isopropylbenzene	12.33	105	13385	1.190	ug/L	97
61) 1,2,3-Trichloropropane	12.64	75	2948	1.401	ug/L	95
62) 1,3,5-Trimethylbenzene	12.81	105	10405	1.166	ug/L	98
63) 1,2,4-Trimethylbenzene	13.12	105	9897	1.123	ug/L	99
64) 1,3-Dichlorobenzene	13.36	146	7163	1.316	ug/L	98
65) 1,4-Dichlorobenzene	13.45	146	7281	1.316	ug/L	93
67) 1,2-Dichlorobenzene	13.74	146	7032	1.376	ug/L	97
68) 1,2-Dibromo-3-chloropropan	14.35	75	824m	1.687	ug/L	
69) 1,3,5-Trichlorobenzene	14.50	180	4942	1.292	ug/L	99
70) 1,2,4-trichlorobenzene	15.00	180	4203	1.290	ug/L	97
71) Naphthalene	15.23	128	8118	1.141	ug/L	99
72) 1,2,3-Trichlorobenzene	15.42	180	3933	1.314	ug/L	98

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

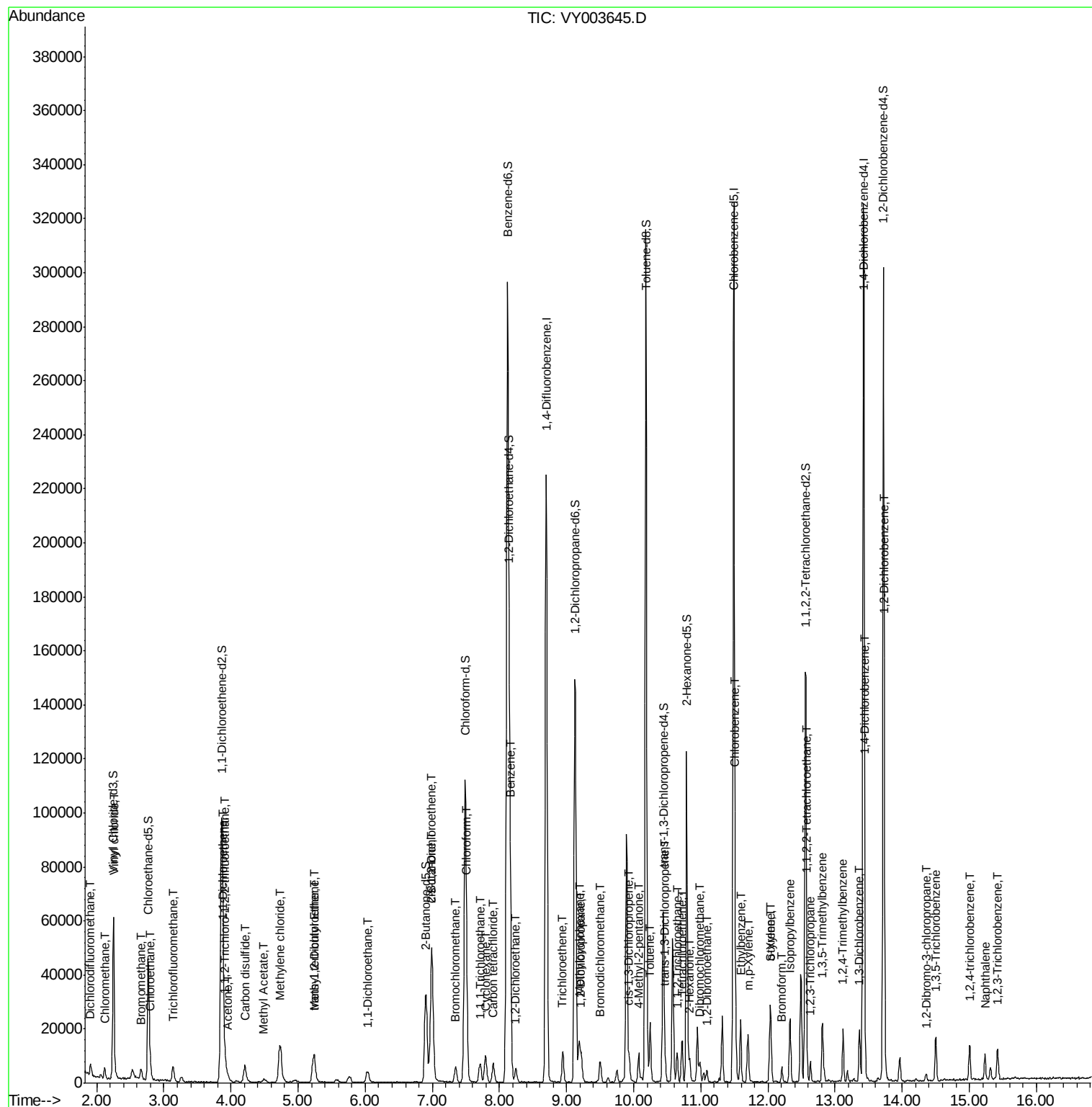
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY120220\
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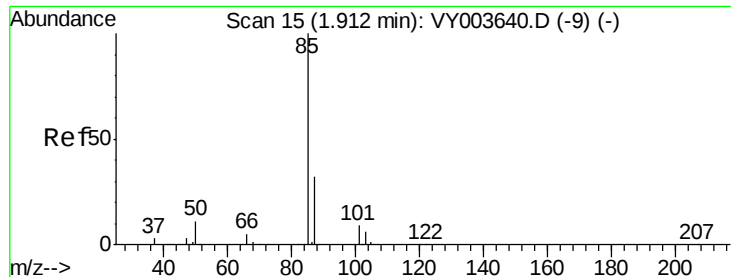
Instrument :
MSVOA_Y
ClientSampled :
MDL01

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#2

Dichlorodifluoromethane

Concen: 1.437 ug/L

RT: 1.91 min Scan# 14

Delta R.T. -0.01 min

Lab File: VY003645.D

Acq: 02 Dec 2020 12:21

Instrument :

MSVOA_Y

ClientSampled :

MDL01

Tot Ion: 85 Resp: 3289

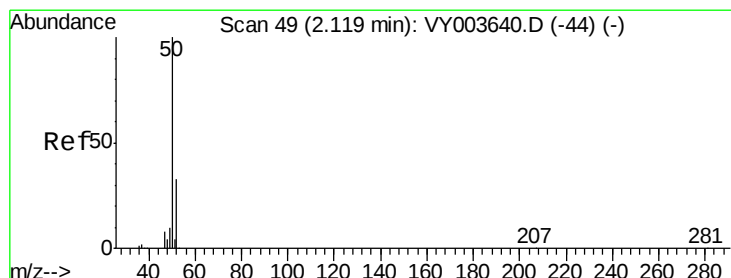
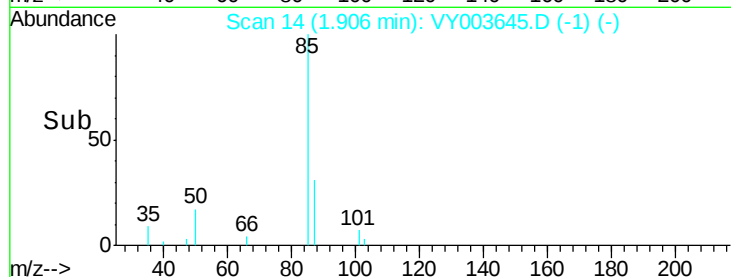
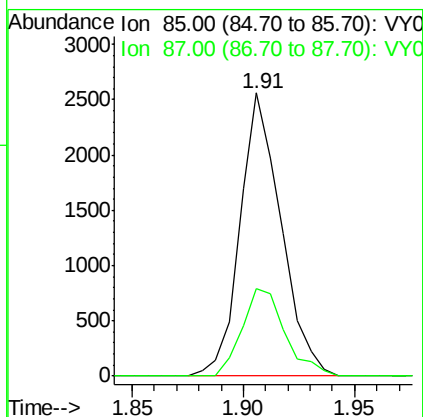
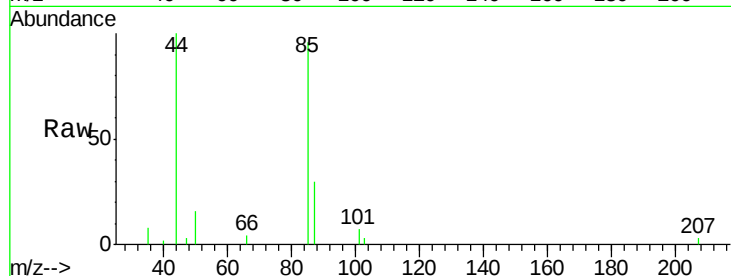
Ion Ratio Lower Upper

85 100

87 32.3 25.4 38.2

Manual Integrations
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#3

Chloromethane

Concen: 1.408 ug/L

RT: 2.12 min Scan# 49

Delta R.T. 0.00 min

Lab File: VY003645.D

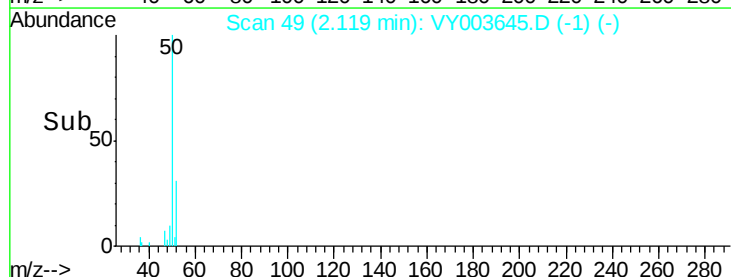
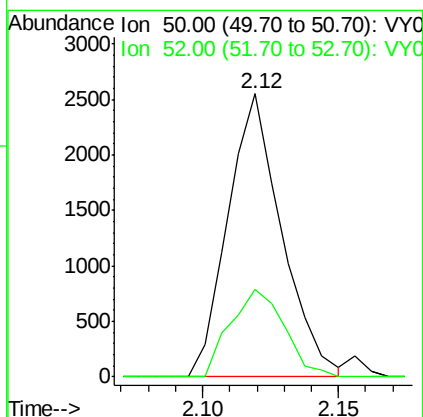
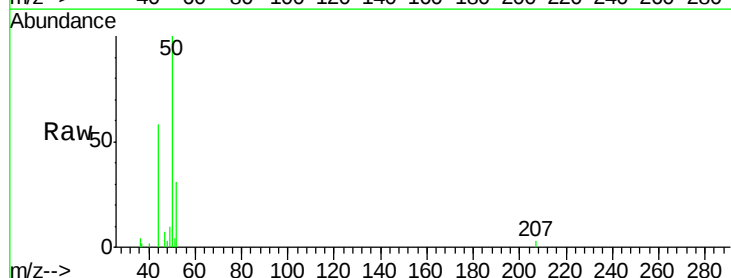
Acq: 02 Dec 2020 12:21

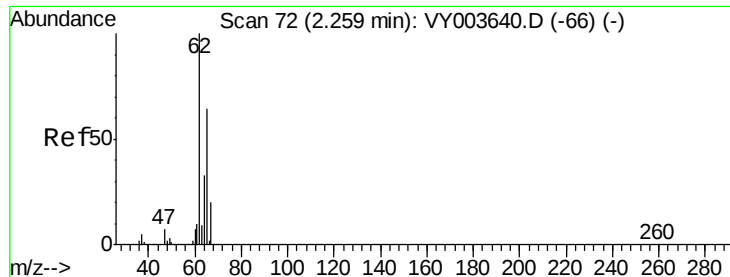
Tgt Ion: 50 Resp: 3495

Ion Ratio Lower Upper

50 100

52 30.8 22.7 42.3





#5

Vinyl chloride

Concen: 1.459 ug/L

RT: 2.26 min Scan# 72

Delta R.T. 0.00 min

Lab File: VY003645.D

Acq: 02 Dec 2020 12:21

Instrument :

MSVOA_Y

ClientSampled :

MDL01

Tot Ion: 62 Resp: 3885

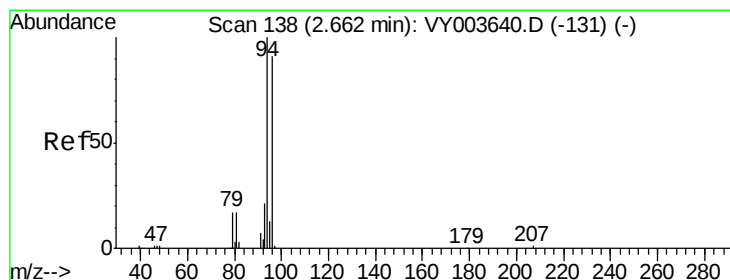
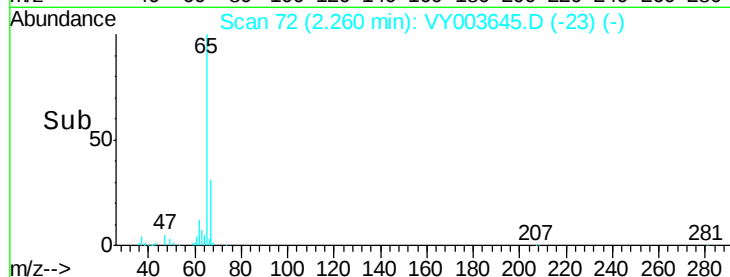
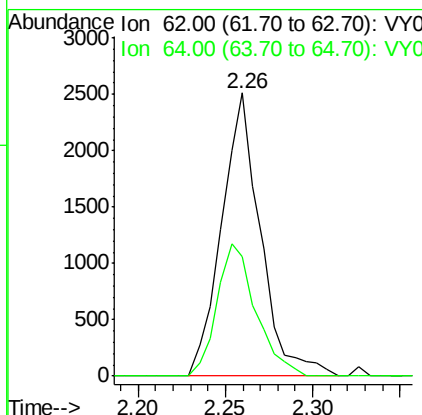
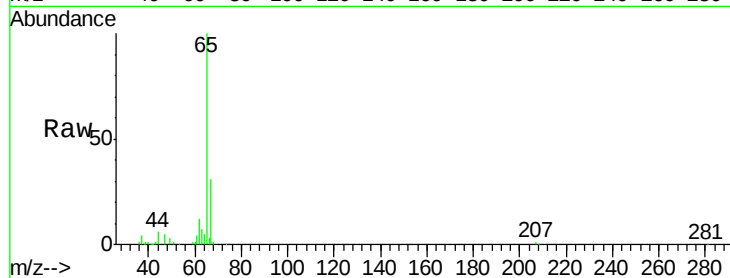
Ion Ratio Lower Upper

62 100

64 42.3 21.9 40.7#

Manual Integrations
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#6

Bromomethane

Concen: 1.540 ug/L

RT: 2.66 min Scan# 137

Delta R.T. -0.01 min

Lab File: VY003645.D

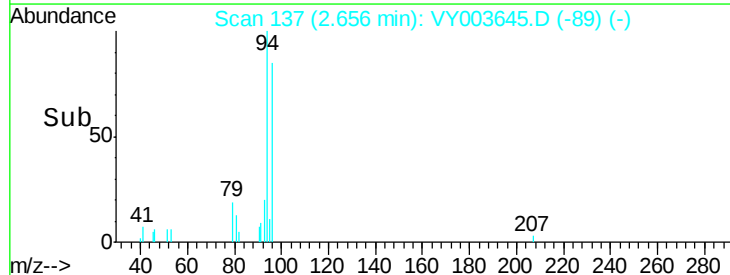
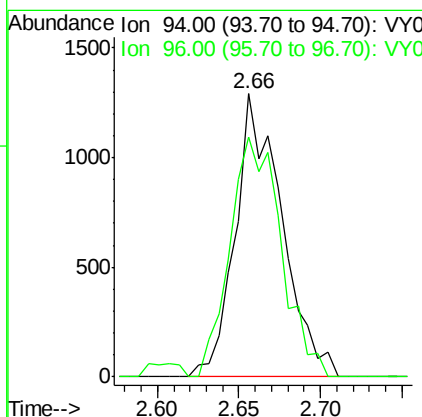
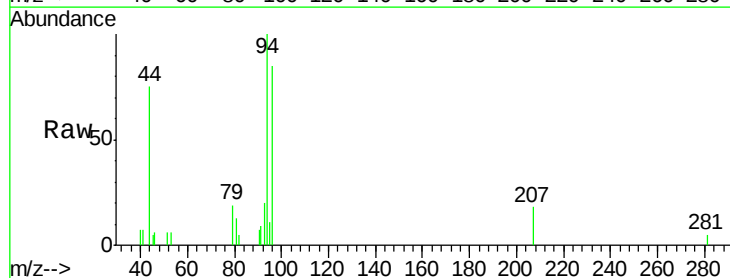
Acq: 02 Dec 2020 12:21

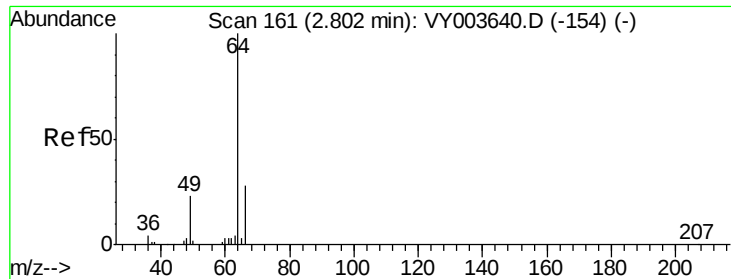
Tgt Ion: 94 Resp: 2567

Ion Ratio Lower Upper

94 100

96 84.7 65.2 121.0





#8

Chloroethane

Concen: 1.359 ug/L

RT: 2.80 min Scan# 161

Delta R.T. 0.00 min

Lab File: VY003645.D

Acq: 02 Dec 2020 12:21

Instrument :

MSVOA_Y

ClientSampleId :

MDL01

Tot Ion: 64 Resp: 2260

Ion Ratio Lower Upper

64 100

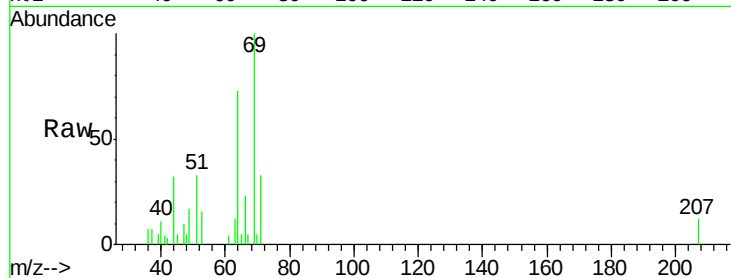
66 31.4 22.2 41.2

Manual Integrations

APPROVED

MMDadoda

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Abundance Ion 64.00 (63.70 to 64.70): VY003645.D (-154) (-)

Ion 66.00 (65.70 to 66.70): VY003645.D (-154) (-)

2.80

1500

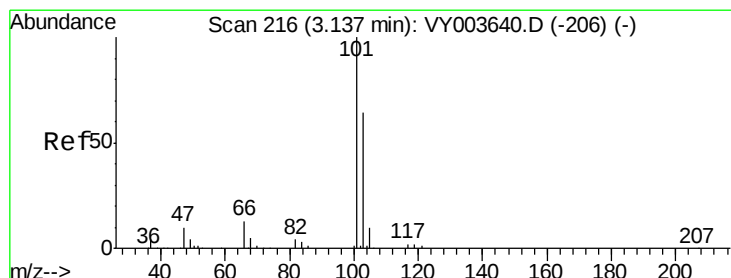
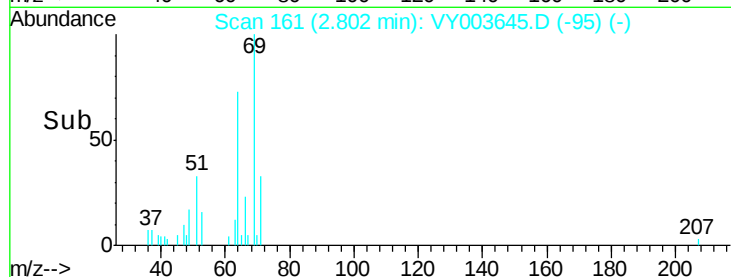
1000

500

0

Time-->

2.75 2.80 2.85



#9

Trichlorofluoromethane

Concen: 1.456 ug/L

RT: 3.14 min Scan# 217

Delta R.T. 0.01 min

Lab File: VY003645.D

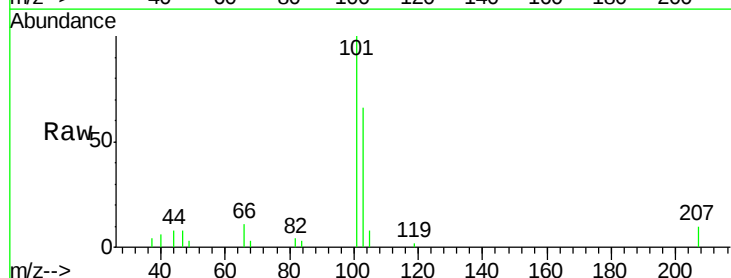
Acq: 02 Dec 2020 12:21

Tgt Ion: 101 Resp: 5885

Ion Ratio Lower Upper

101 100

103 66.3 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VY003645.D (-206) (-)

Ion 103.00 (102.70 to 103.70): VY003645.D (-206) (-)

3.14

2500

2000

1500

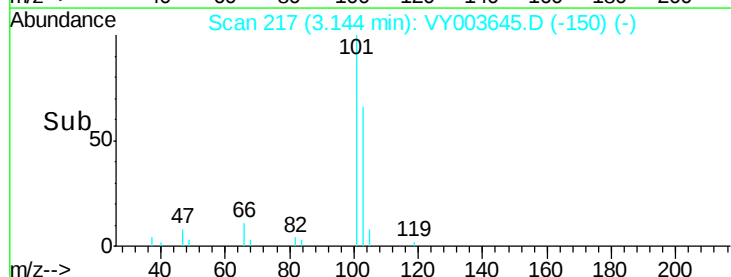
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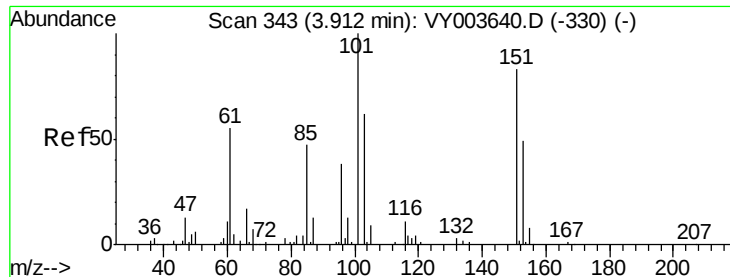
500

0

Time-->

3.05 3.10 3.15 3.20





#10

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

Concen: 1.352 ug/L

RT: 3.91 min Scan# 343

Delta R.T. 0.00 min

Lab File: VY003645.D

Acq: 02 Dec 2020 12:21

Instrument :

MSVOA_Y

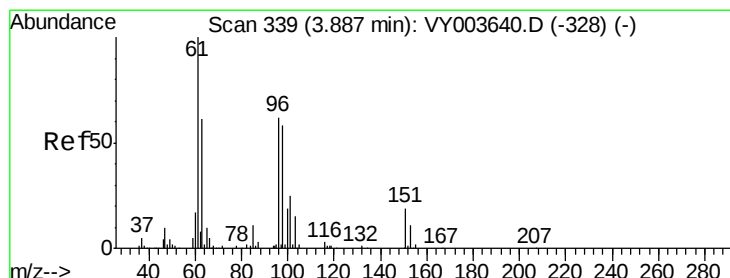
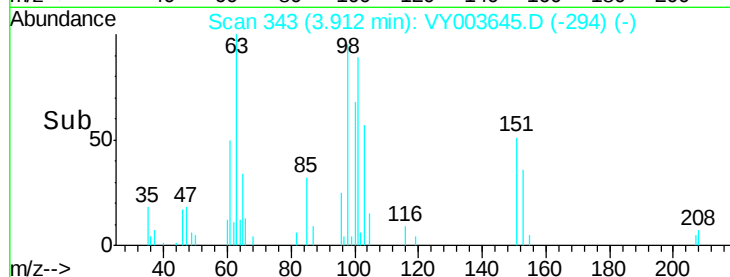
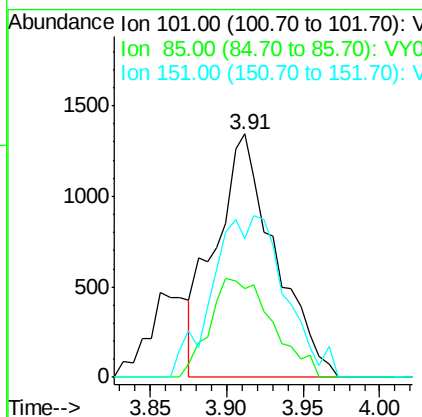
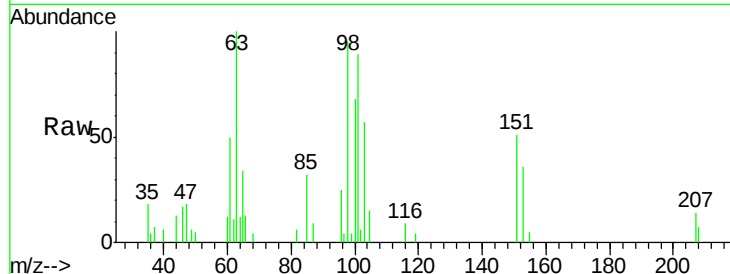
ClientSampleId :

MDL01

Tot Ion:	101	Resp:	3648
Ion Ratio	Lower	Upper	
101	100		
85	24.9	35.6	53.4#
151	25.8	64.2	96.2#

Manual Integrations
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MMDadoda
12/3/2020 2:03:04 PM



#12

1,1-Dichloroethene

Concen: 1.719 ug/L m

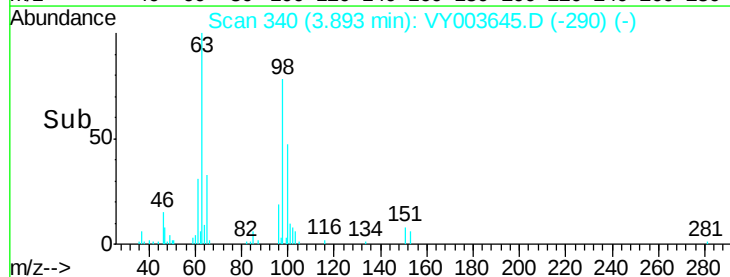
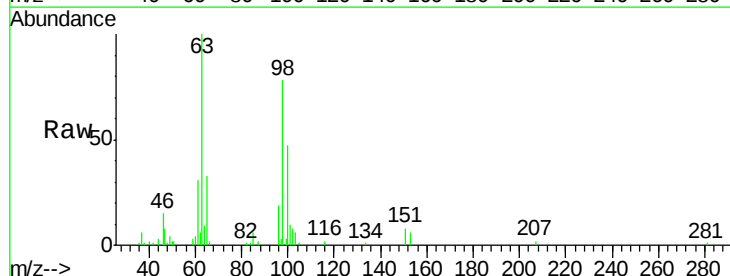
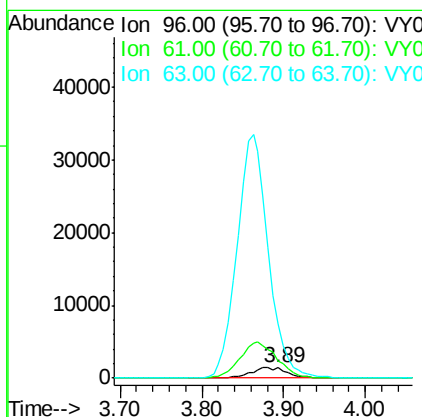
RT: 3.89 min Scan# 340

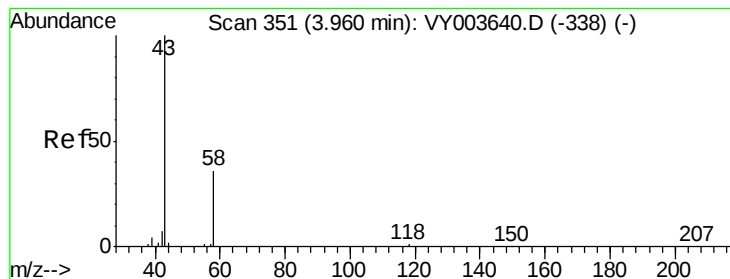
Delta R.T. 0.01 min

Lab File: VY003645.D

Acq: 02 Dec 2020 12:21

Tgt Ion:	96	Resp:	4406
Ion Ratio	Lower	Upper	
96	100		
61	159.0	106.1	197.1
63	513.9	62.9	116.9#





#13

Acetone

Concen: 3.427 ug/L

RT: 3.96 min Scan# 351

Delta R.T. 0.00 min

Lab File: VY003645.D

Acq: 02 Dec 2020 12:21

Instrument :

MSVOA_Y

ClientSampleId :

MDL01

Tot Ion: 43 Resp: 2716

Ion Ratio Lower Upper

43 100

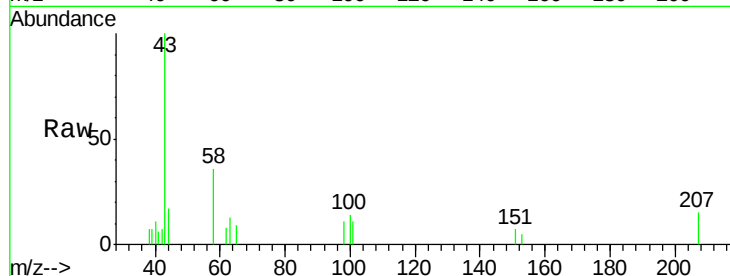
58 22.6 0.0 61.6

Manual Integrations

APPROVED

MMDadoda

12/3/2020 2:03:04 PM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

1200

1000

800

600

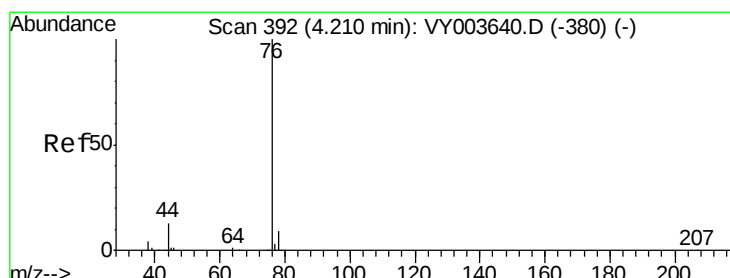
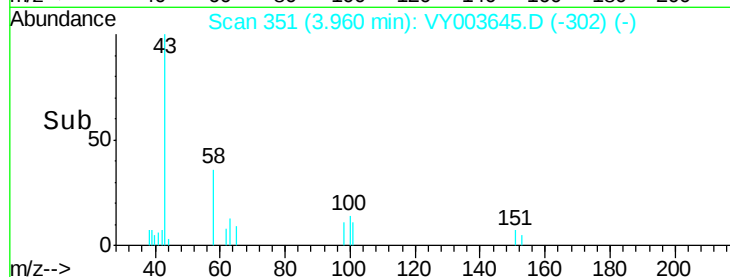
400

200

0

3.90 3.95 4.00 4.05

Time-->



#14

Carbon disulfide

Concen: 1.339 ug/L

RT: 4.21 min Scan# 392

Delta R.T. 0.00 min

Lab File: VY003645.D

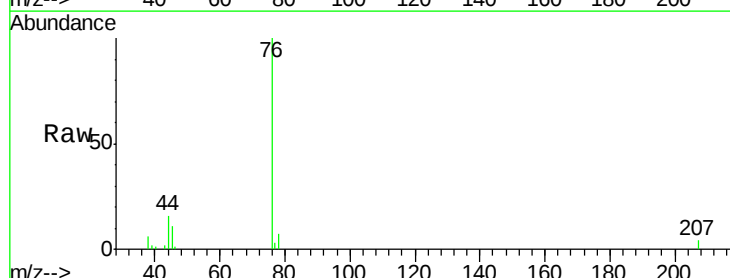
Acq: 02 Dec 2020 12:21

Tgt Ion: 76 Resp: 11339

Ion Ratio Lower Upper

76 100

78 7.3 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VY0

Ion 78.00 (77.70 to 78.70): VY0

5000

4000

3000

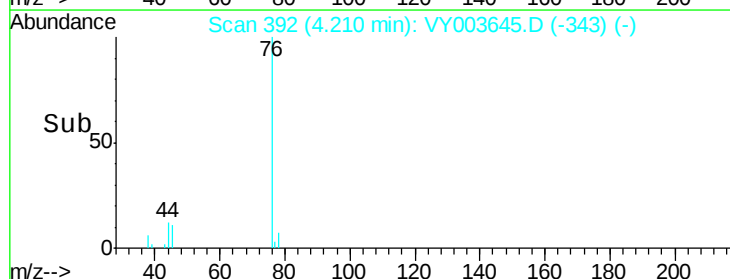
2000

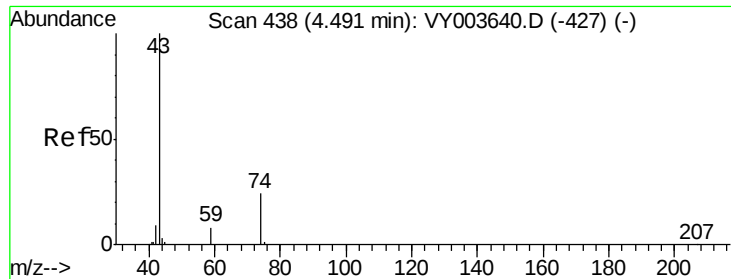
1000

0

4.10 4.15 4.20 4.25 4.30

Time-->





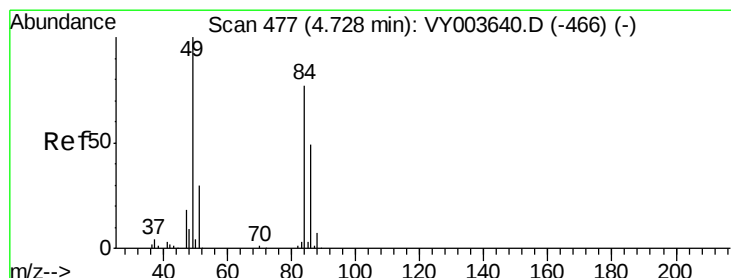
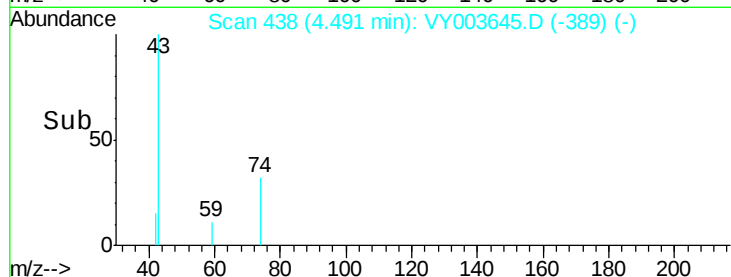
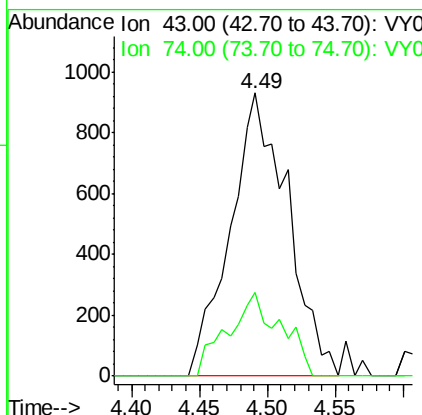
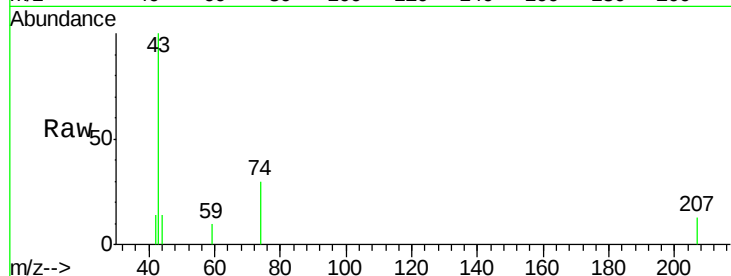
#15
Methyl Acetate
Concen: 1.434 ug/L
RT: 4.49 min Scan# 438
Delta R.T. 0.00 min
Lab File: VY003645.D
Acq: 02 Dec 2020 12:21

Instrument :
MSVOA_Y
ClientSampled :
MDL01

Tot Ion	43	Resp	2736
Ion Ratio	100	Lower	Upper
43	100		
74	20.2	18.2	27.2

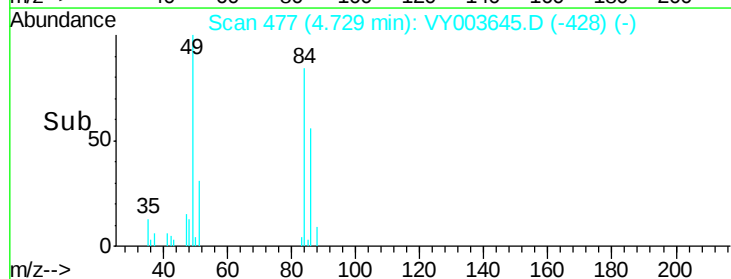
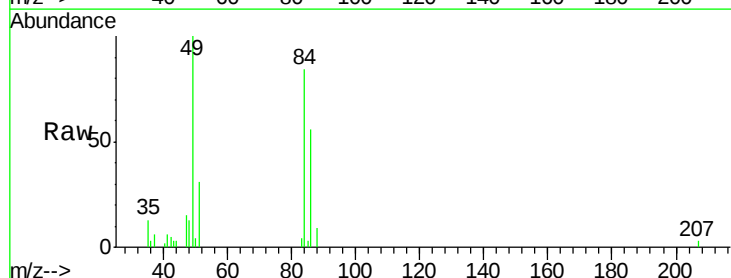
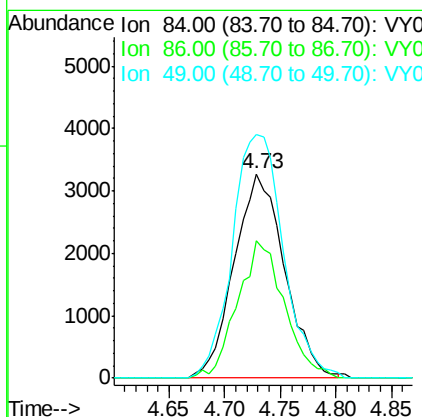
Manual Integrations
APPROVED

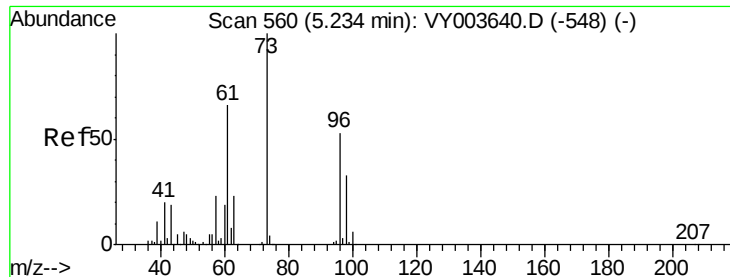
MMDadoda
12/3/2020 2:03:04 PM



#16
Methylene chloride
Concen: 3.103 ug/L
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VY003645.D
Acq: 02 Dec 2020 12:21

Tgt Ion	84	Resp	10327
Ion Ratio	100	Lower	Upper
84	100		
86	67.2	43.3	80.3
49	119.2	85.3	158.5





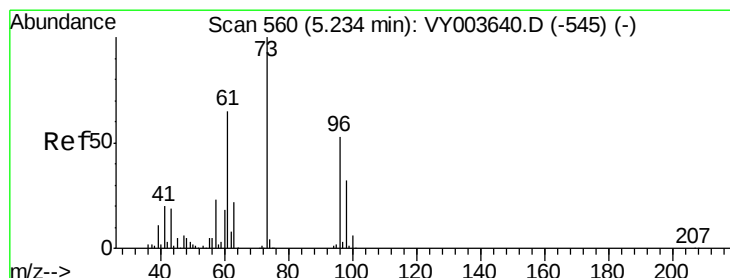
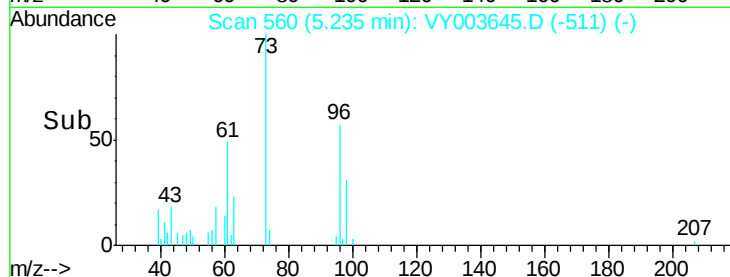
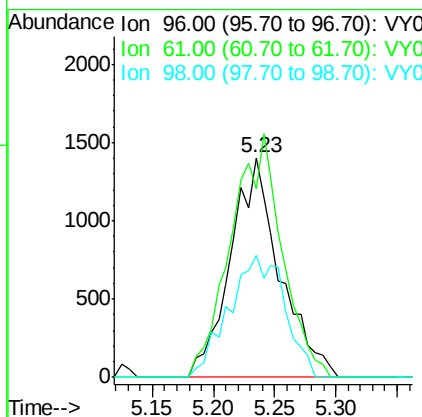
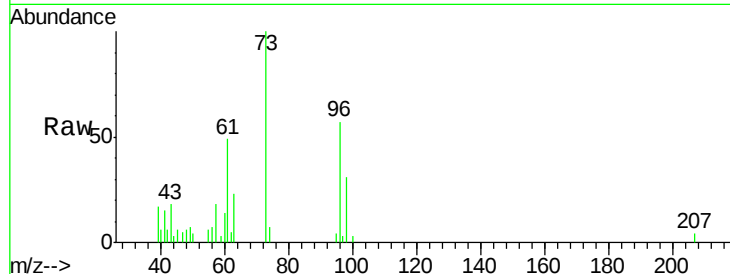
#17
trans-1,2-Dichloroethene
Concen: 1.401 ug/L
RT: 5.23 min Scan# 560
Delta R.T. 0.00 min
Lab File: VY003645.D
Acq: 02 Dec 2020 12:21

Instrument :
MSVOA_Y
ClientSampled :
MDL01

Tot Ion	Ratio	Lower	Upper
96	100		
61	85.9	89.5	166.1#
98	55.4	45.5	84.5

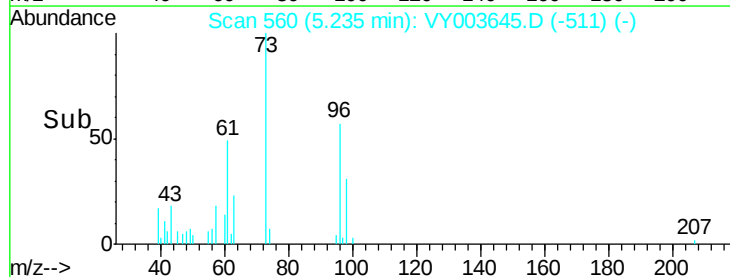
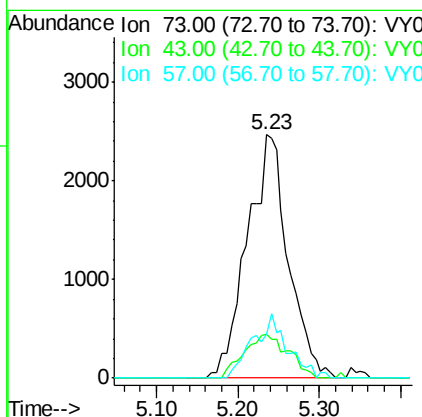
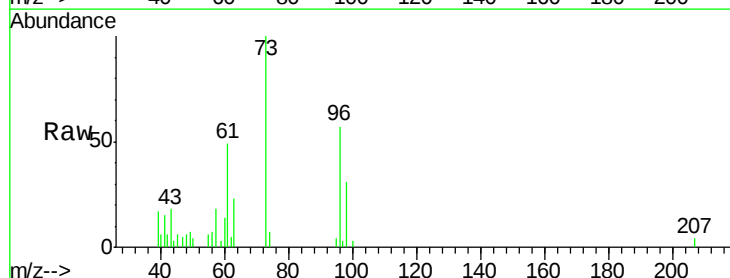
Manual Integrations
APPROVED

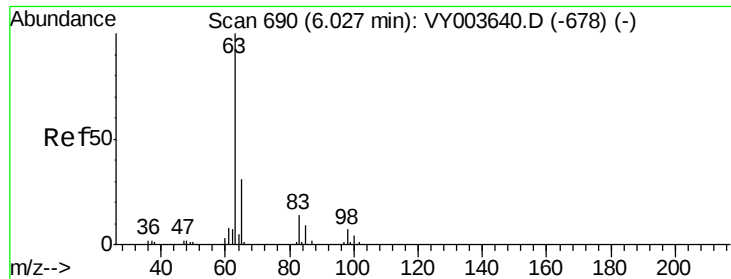
MMDadoda
12/3/2020 2:03:04 PM



#18
Methyl tert-butyl Ether
Concen: 1.257 ug/L m
RT: 5.23 min Scan# 560
Delta R.T. 0.00 min
Lab File: VY003645.D
Acq: 02 Dec 2020 12:21

Tgt Ion	Ratio	Lower	Upper
73	100		
43	15.1	15.2	22.8#
57	9.7	18.1	27.1#





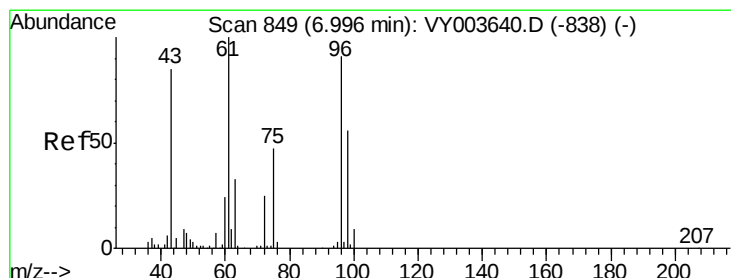
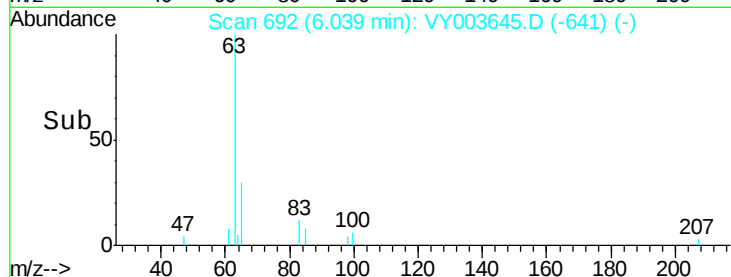
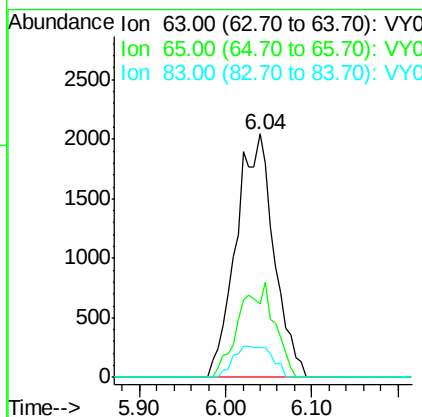
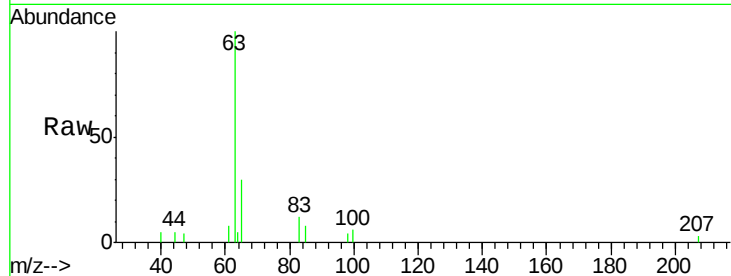
#19
 1,1-Dichloroethane
 Concen: 1.311 ug/L m
 RT: 6.04 min Scan# 692
 Delta R.T. 0.01 min
 Lab File: VY003645.D
 Acq: 02 Dec 2020 12:21

Instrument :
 MSVOA_Y
 ClientSampled :
 MDL01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.1	21.9	40.7
83	12.2	9.5	17.7

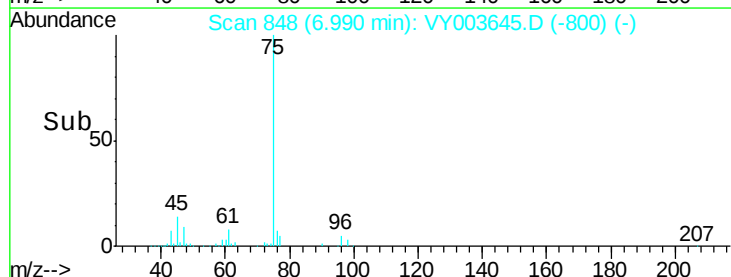
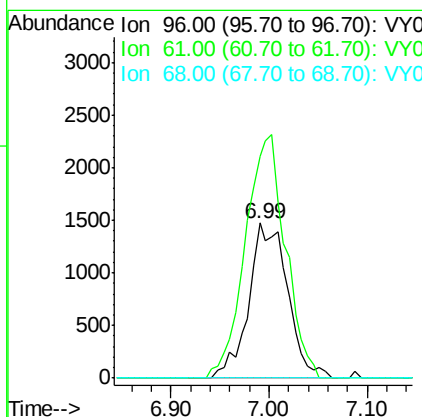
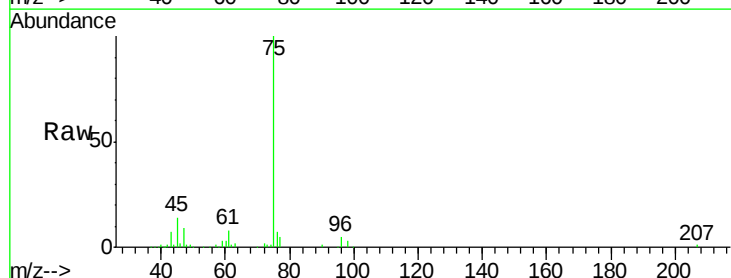
Manual Integrations
 APPROVED

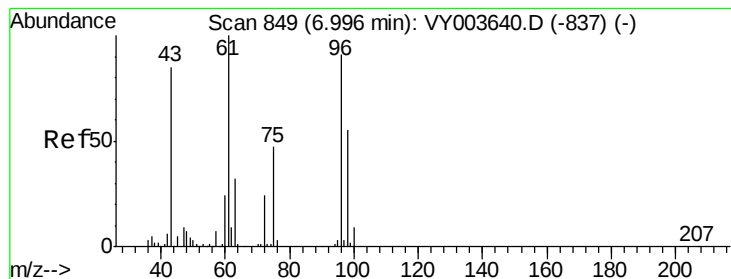
MMDadoda
 12/3/2020 2:03:04 PM



#20
 cis-1,2-Dichloroethene
 Concen: 1.369 ug/L m
 RT: 6.99 min Scan# 848
 Delta R.T. -0.01 min
 Lab File: VY003645.D
 Acq: 02 Dec 2020 12:21

Tgt Ion	Ratio	Lower	Upper
96	100		
61	143.6	85.8	159.4
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 4.333 ug/L m

RT: 6.99 min Scan# 848

Delta R.T. -0.01 min

Lab File: VY003645.D

Acq: 02 Dec 2020 12:21

Instrument :

MSVOA_Y

ClientSampleId :

MDL01

Tot Ion: 43 Resp: 5773

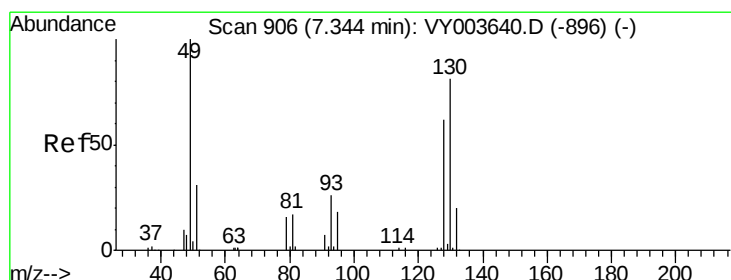
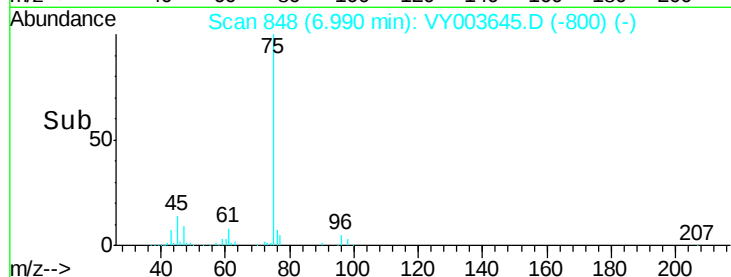
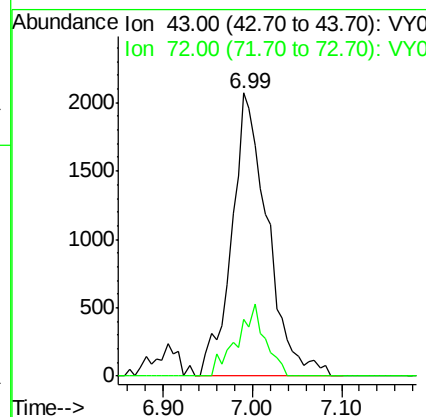
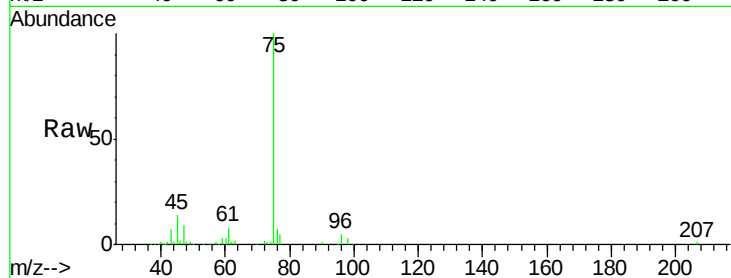
Ion Ratio Lower Upper

43 100

72 1.6 13.5 40.5#

Manual Integrations
APPROVED

MMDadoda
12/3/2020 2:03:04 PM



#23

Bromochloromethane

Concen: 1.193 ug/L

RT: 7.35 min Scan# 907

Delta R.T. 0.01 min

Lab File: VY003645.D

Acq: 02 Dec 2020 12:21

Tgt Ion: 128 Resp: 1717

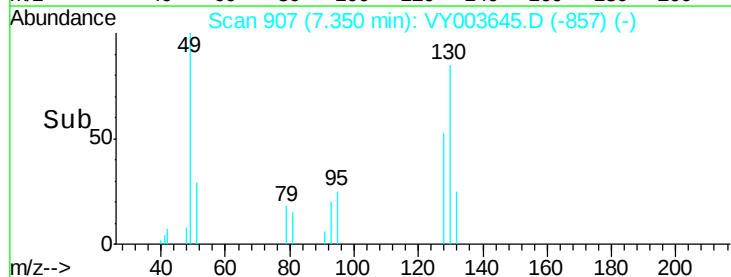
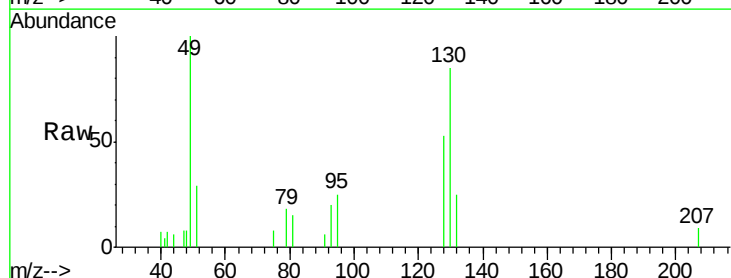
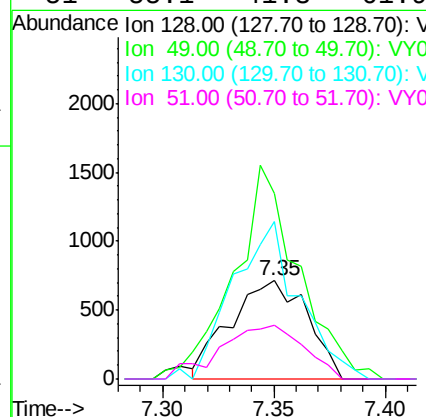
Ion Ratio Lower Upper

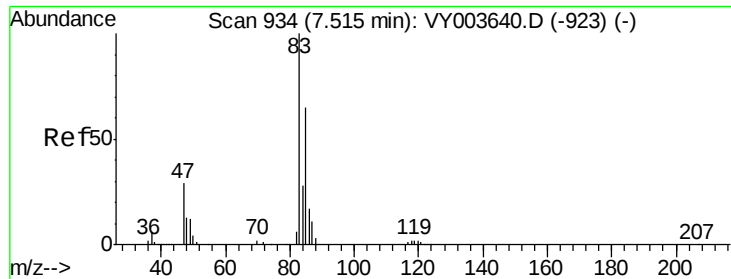
128 100

49 189.2 118.1 219.3

130 160.4 90.5 168.1

51 55.1 41.3 61.9





#25

Chloroform

Concen: 1.456 ug/L

RT: 7.51 min Scan# 934

Delta R.T. 0.00 min

Lab File: VY003645.D

Acq: 02 Dec 2020 12:21

Instrument :

MSVOA_Y

ClientSampleId :

MDL01

Tot Ion: 83 Resp: 6913

Ion Ratio Lower Upper

83 100

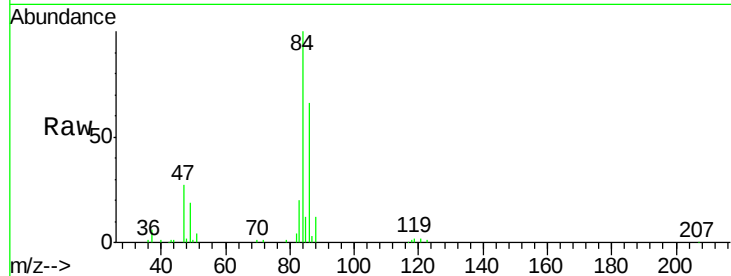
85 58.4 44.4 82.4

Manual Integrations

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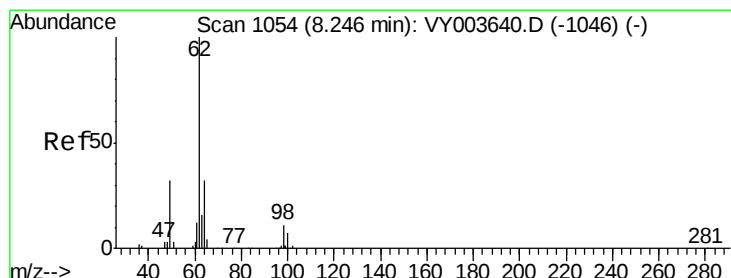
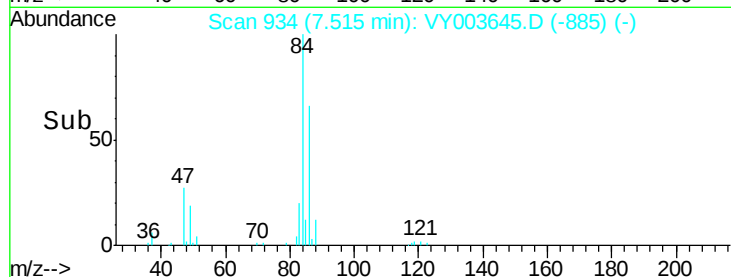
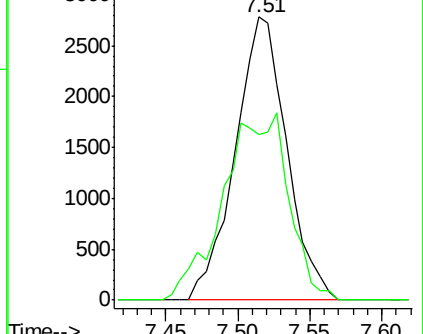
MMDadoda

12/3/2020 2:03:04 PM



Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0



#27

1,2-Dichloroethane

Concen: 1.396 ug/L

RT: 8.25 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VY003645.D

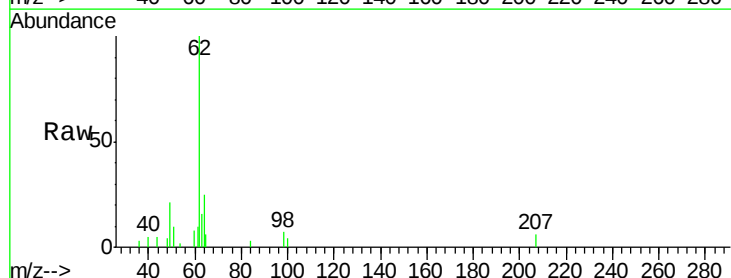
Acq: 02 Dec 2020 12:21

Tgt Ion: 62 Resp: 4361

Ion Ratio Lower Upper

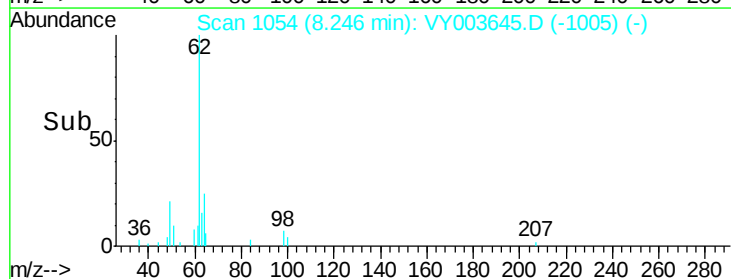
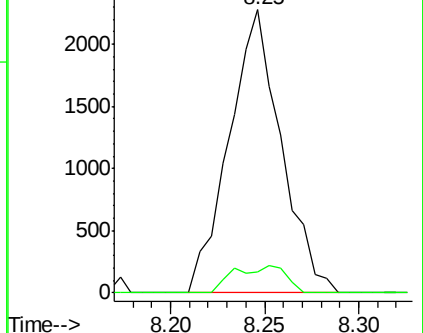
62 100

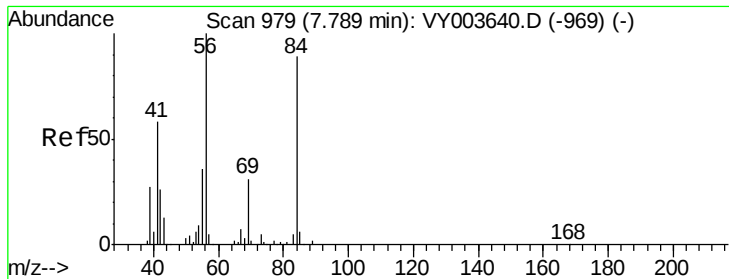
98 7.5 7.5 11.3#



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 98.00 (97.70 to 98.70): VY0





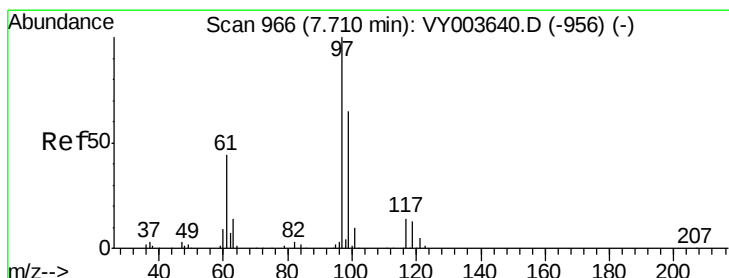
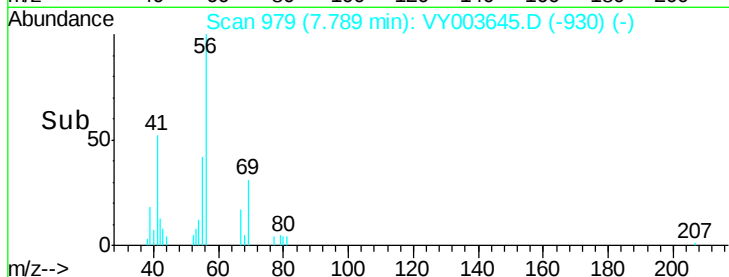
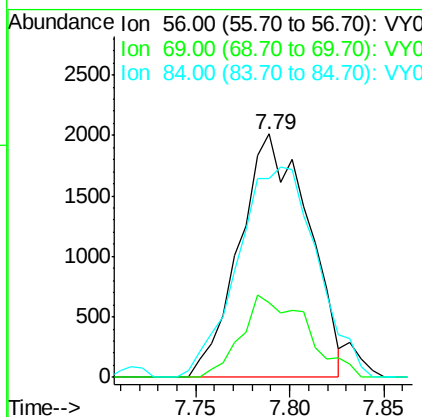
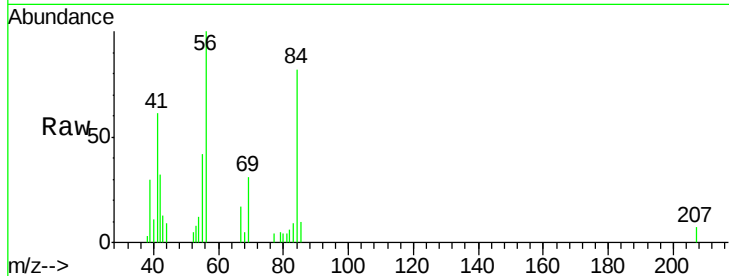
#29
Cyclohexane
Concen: 1.167 ug/L
RT: 7.79 min Scan# 979
Delta R.T. 0.00 min
Lab File: VY003645.D
Acq: 02 Dec 2020 12:21

Instrument :
MSVOA_Y
ClientSampled :
MDL01

Tot Ion	Ratio	Lower	Upper
56	100		
69	19.2	23.9	35.9#
84	99.2	71.9	107.9

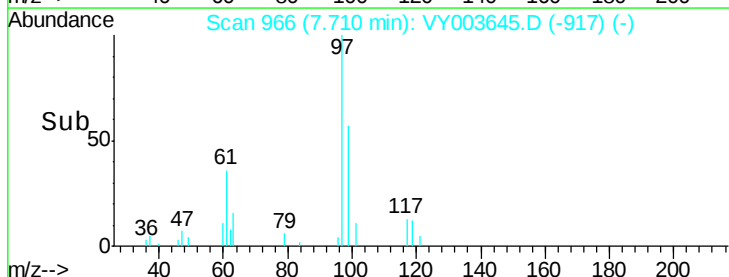
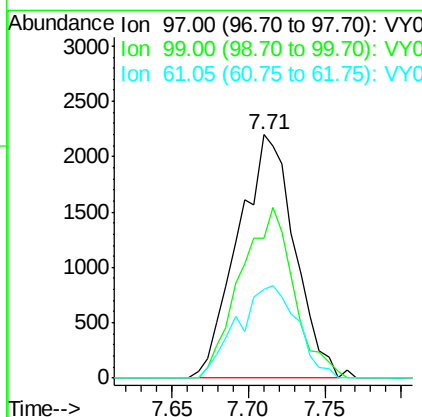
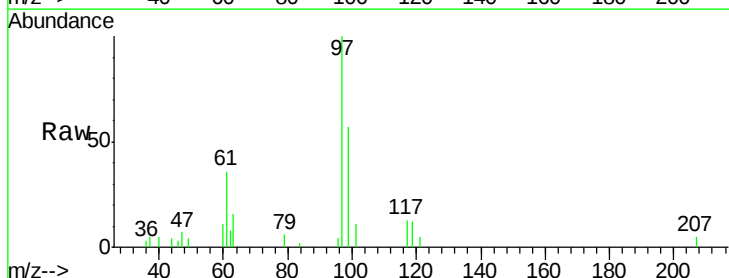
Manual Integrations
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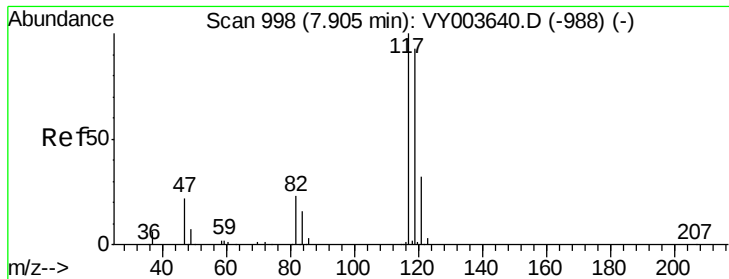
MMDadoda
12/3/2020 2:03:04 PM



#30
1,1,1-Trichloroethane
Concen: 1.344 ug/L
RT: 7.71 min Scan# 966
Delta R.T. 0.00 min
Lab File: VY003645.D
Acq: 02 Dec 2020 12:21

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.3	50.6	76.0
61	29.5	34.3	51.5#





#31

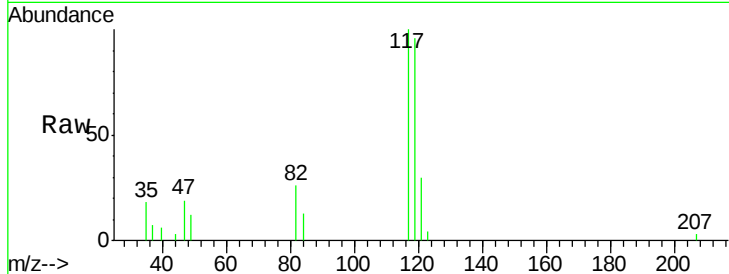
Carbon tetrachloride
Concen: 1.392 ug/L
RT: 7.91 min Scan# 999
Delta R.T. 0.01 min
Lab File: VY003645.D
Acq: 02 Dec 2020 12:21

Instrument :
MSVOA_Y
ClientSampled :
MDL01

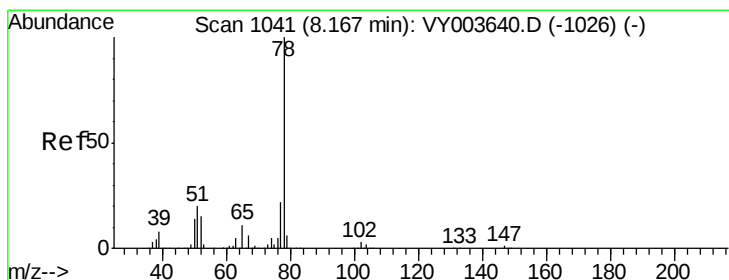
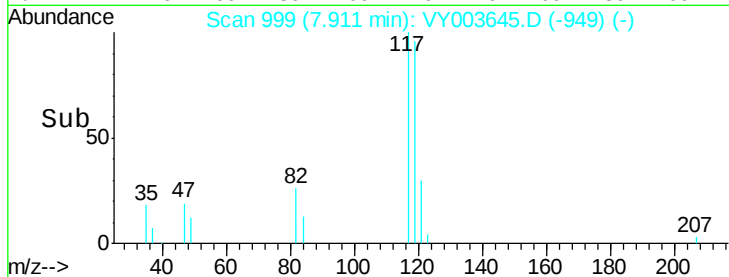
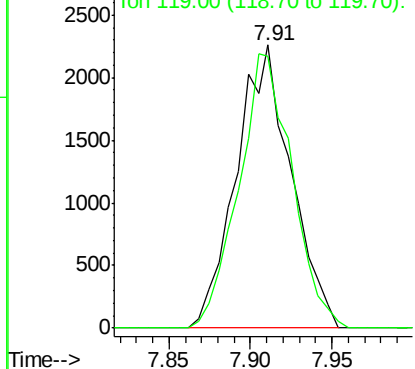
Tot Ion:117 Resp: 5277
Ion Ratio Lower Upper
117 100
119 94.2 77.7 116.5

Manual Integrations
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12/3/2020 2:03:04 PM



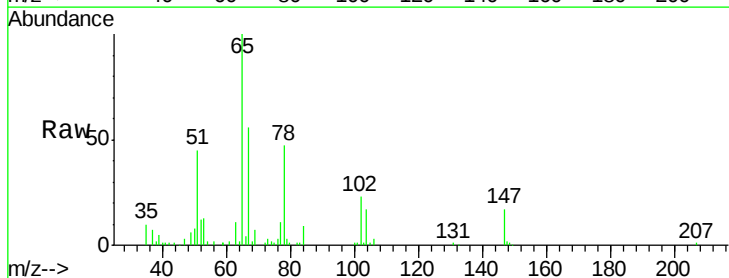
Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V



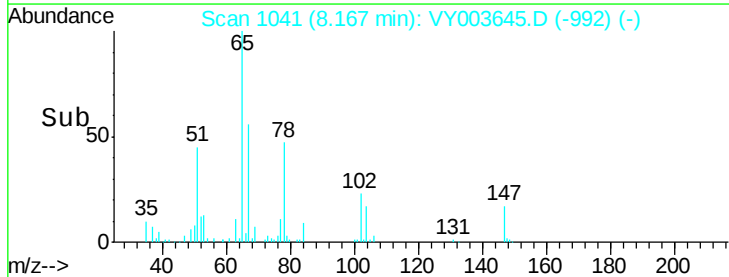
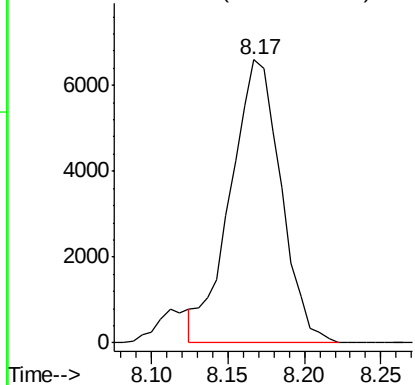
#33

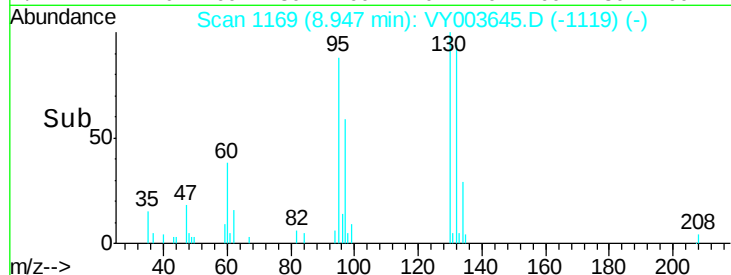
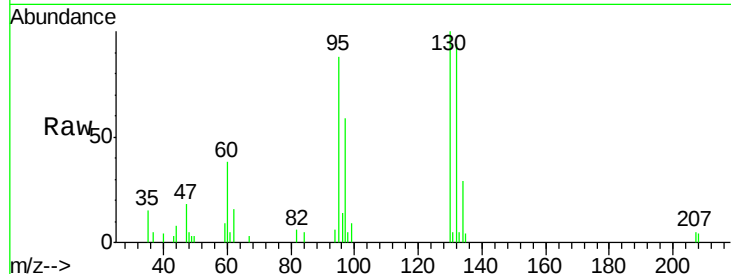
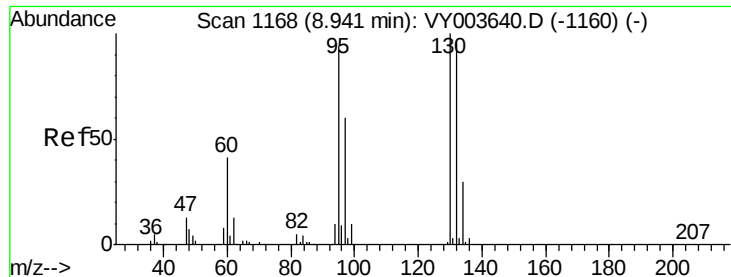
Benzene
Concen: 1.341 ug/L
RT: 8.17 min Scan# 1041
Delta R.T. 0.00 min
Lab File: VY003645.D
Acq: 02 Dec 2020 12:21

Tgt Ion: 78 Resp: 15107



Abundance Ion 78.00 (77.70 to 78.70): VY0





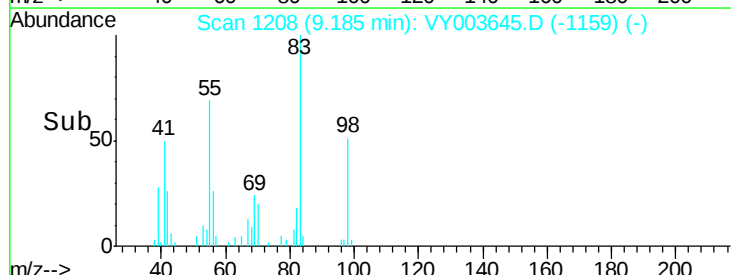
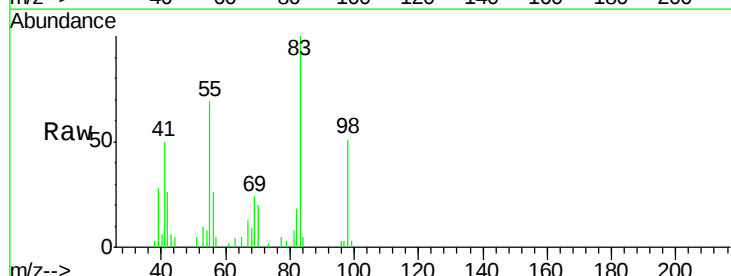
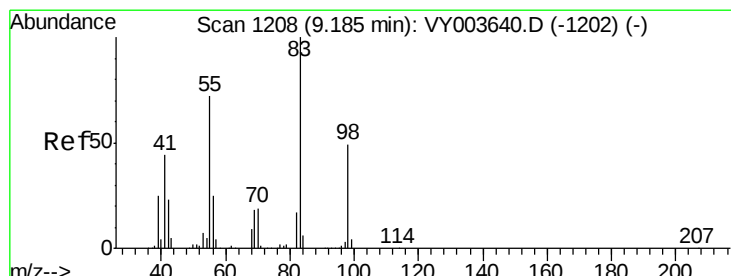
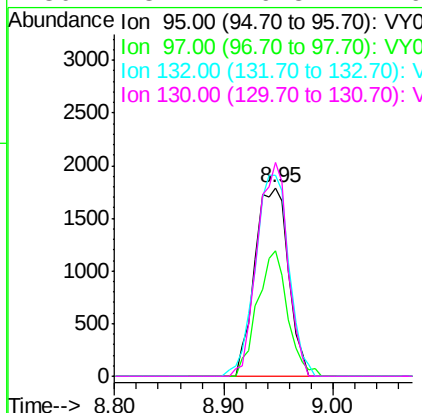
#34
 Trichloroethene
 Concen: 1.353 ug/L m
 RT: 8.95 min Scan# 1169
 Delta R.T. 0.01 min
 Lab File: VY003645.D
 Acq: 02 Dec 2020 12:21

Tot Ion	95	Resp:	3803
Ion	Ratio	Lower	Upper
95	100		
97	66.4	44.7	83.1
132	106.6	74.7	138.7
130	113.4	76.8	142.6

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL01

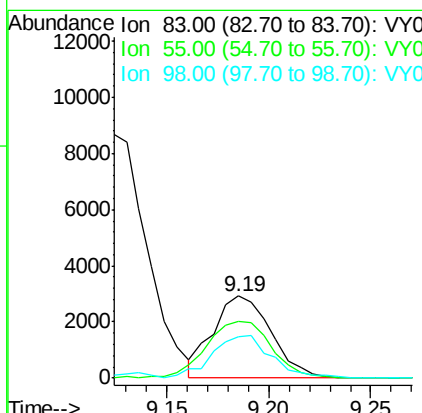
Manual Integrations
 APPROVED

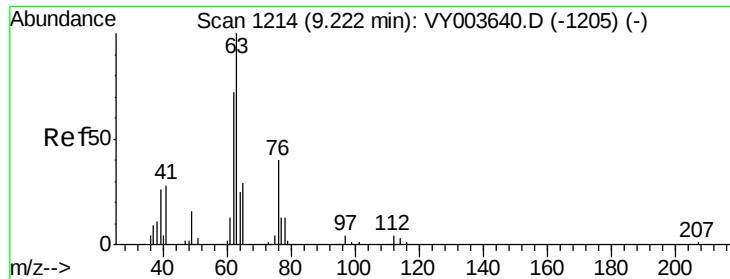
MMDadoda
 12/3/2020 2:03:04 PM



#35
 Methylcyclohexane
 Concen: 1.196 ug/L
 RT: 9.19 min Scan# 1208
 Delta R.T. 0.00 min
 Lab File: VY003645.D
 Acq: 02 Dec 2020 12:21

Tgt Ion	83	Resp:	5749
Ion	Ratio	Lower	Upper
83	100		
55	77.9	58.3	87.5
98	53.8	39.0	58.6





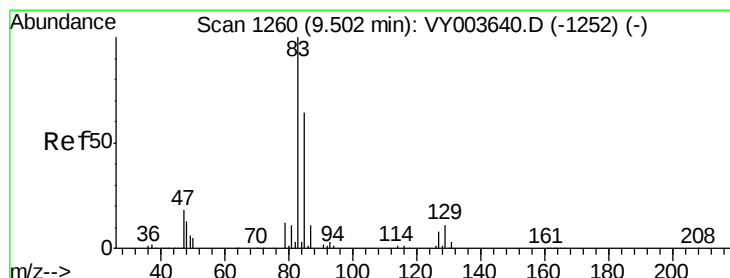
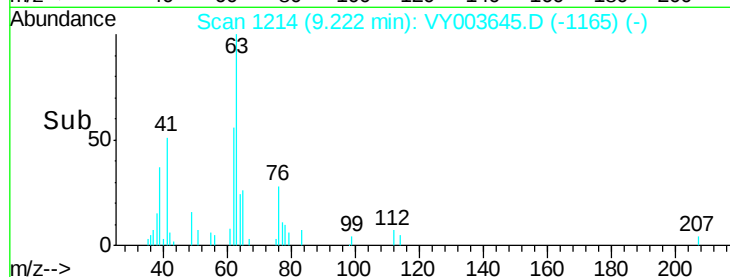
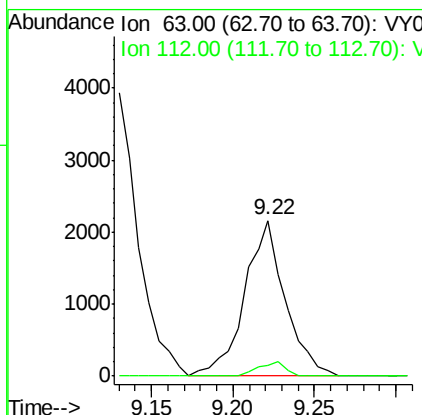
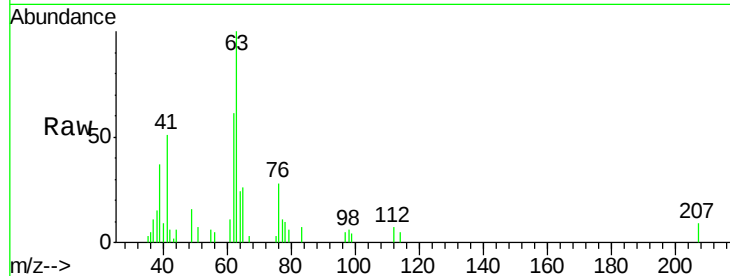
#37
 1,2-Dichloropropane
 Concen: 1.315 ug/L
 RT: 9.22 min Scan# 1214
 Delta R.T. 0.00 min
 Lab File: VY003645.D
 Acq: 02 Dec 2020 12:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL01

Tot Ion: 63 Resp: 3758
 Ion Ratio Lower Upper
 63 100
 112 5.8 3.7 5.5#

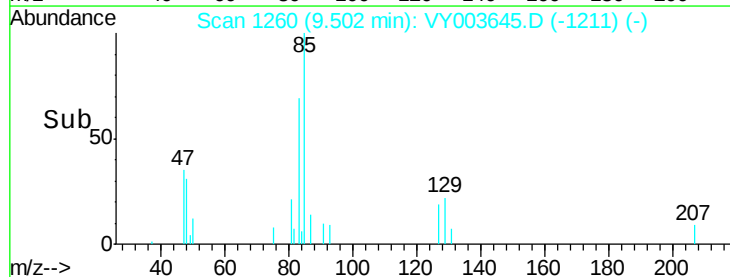
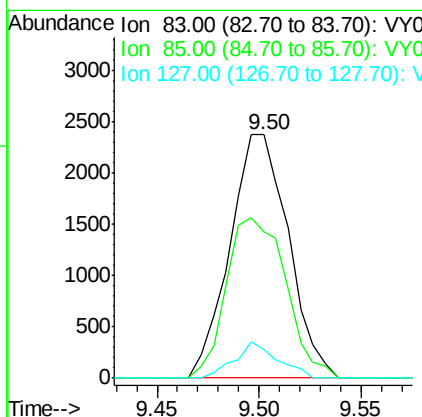
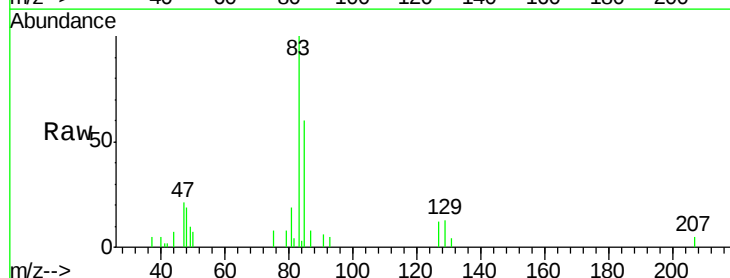
Manual Integrations
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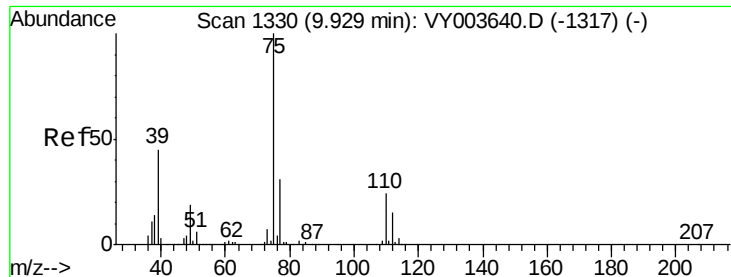
MMDadoda
 12/3/2020 2:03:04 PM



#38
 Bromodichloromethane
 Concen: 1.315 ug/L
 RT: 9.50 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VY003645.D
 Acq: 02 Dec 2020 12:21

Tgt Ion: 83 Resp: 4733
 Ion Ratio Lower Upper
 83 100
 85 60.0 43.1 80.1
 127 11.6 7.1 10.7#





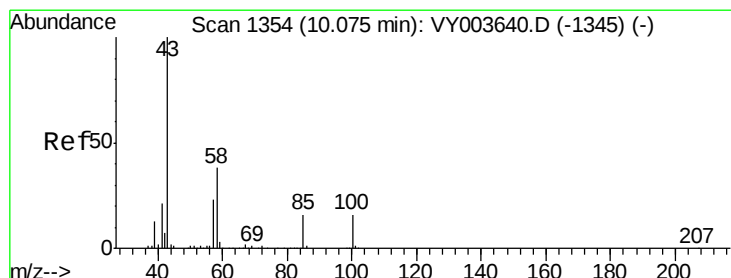
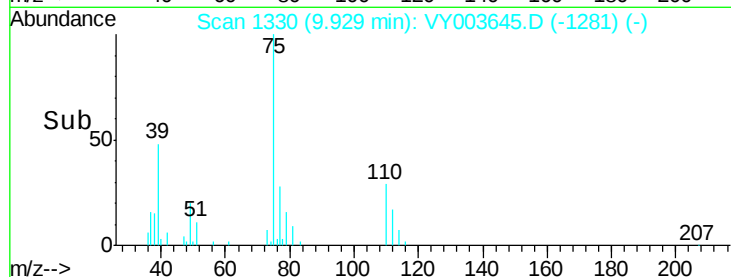
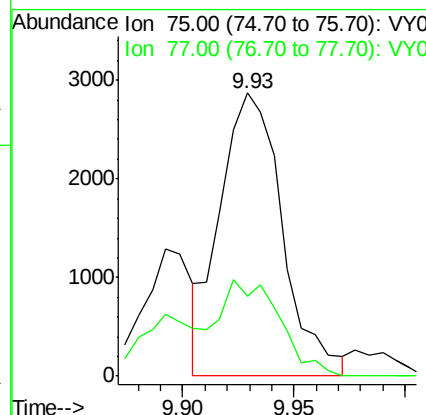
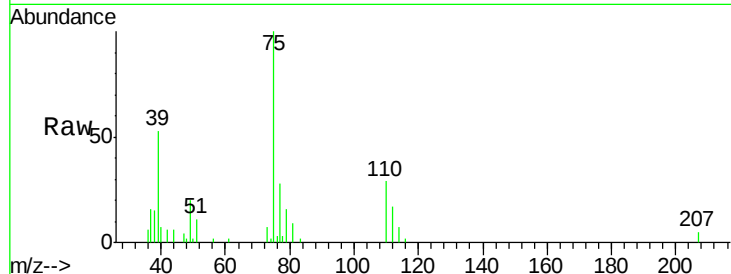
#39
 cis-1,3-Dichloropropene
 Concen: 1.266 ug/L
 RT: 9.93 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VY003645.D
 Acq: 02 Dec 2020 12:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL01

Tot Ion: 75 Resp: 5590
 Ion Ratio Lower Upper
 75 100
 77 28.1 23.5 43.7

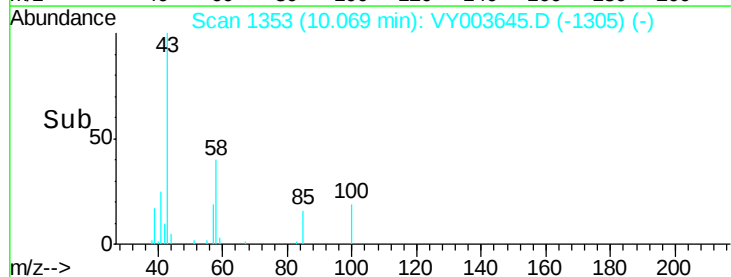
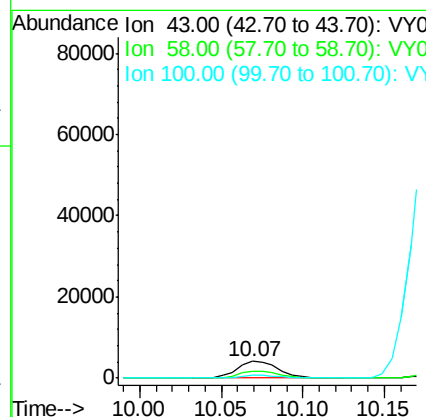
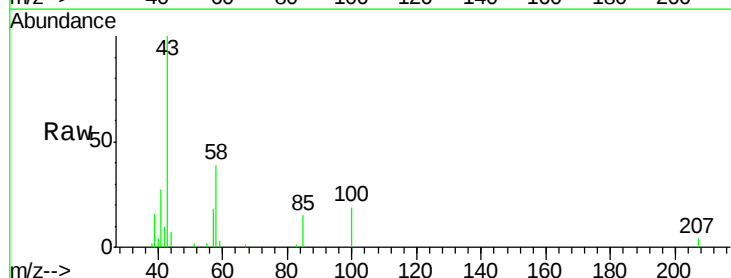
Manual Integrations
 APPROVED

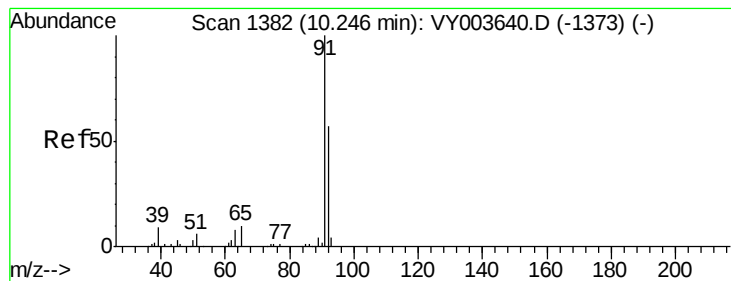
MMDadoda
 12/3/2020 2:03:04 PM



#40
 4-Methyl-2-pentanone
 Concen: 2.987 ug/L
 RT: 10.07 min Scan# 1353
 Delta R.T. -0.01 min
 Lab File: VY003645.D
 Acq: 02 Dec 2020 12:21

Tgt Ion: 43 Resp: 7498
 Ion Ratio Lower Upper
 43 100
 58 38.8 30.7 46.1
 100 16.2 12.1 18.1





#42

Toluene

Concen: 1.301 ug/L

RT: 10.25 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VY003645.D

Acq: 02 Dec 2020 12:21

Instrument :

MSVOA_Y

ClientSampled :

MDL01

Tot Ion: 91 Resp: 15395

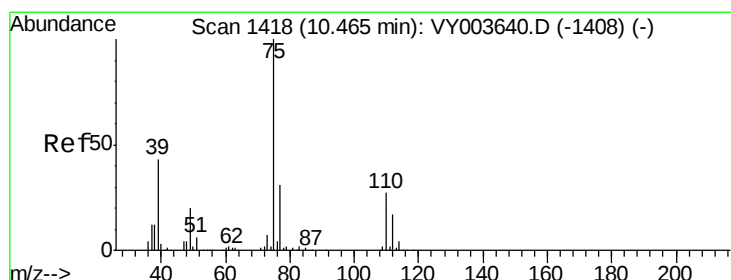
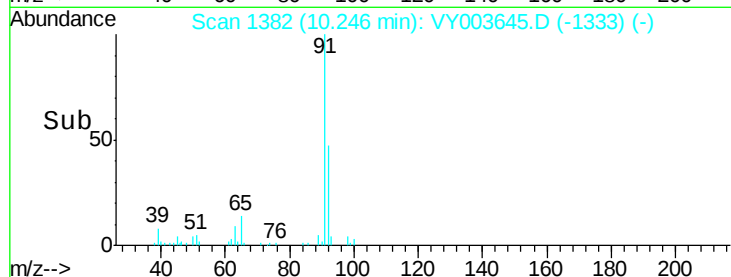
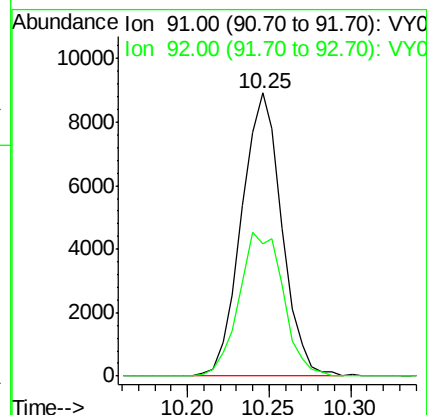
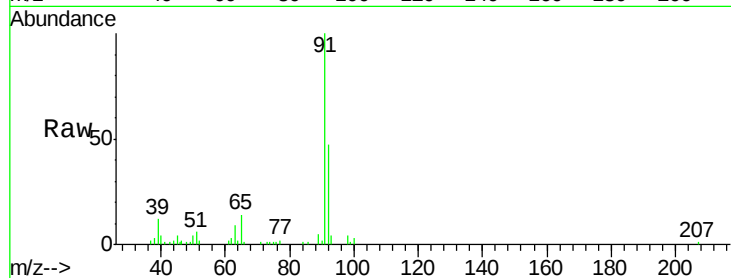
Ion Ratio Lower Upper

91 100

92 46.8 40.1 74.5

Manual Integrations
APPROVED

MMDadoda
12/3/2020 2:03:04 PM



#44

trans-1,3-Dichloropropene

Concen: 1.569 ug/L

RT: 10.47 min Scan# 1418

Delta R.T. 0.00 min

Lab File: VY003645.D

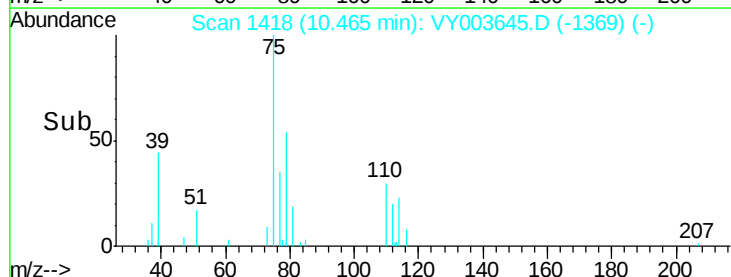
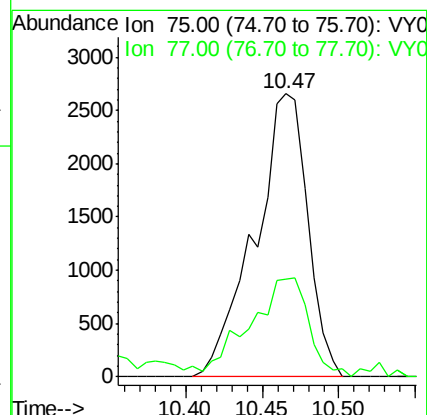
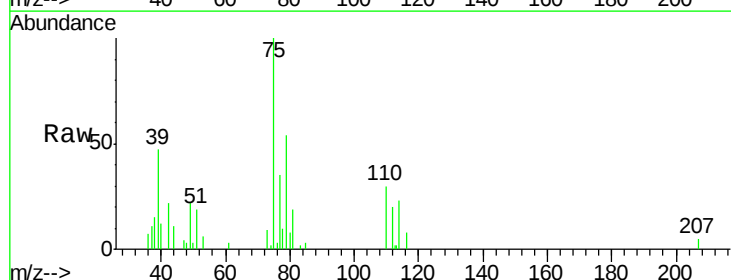
Acq: 02 Dec 2020 12:21

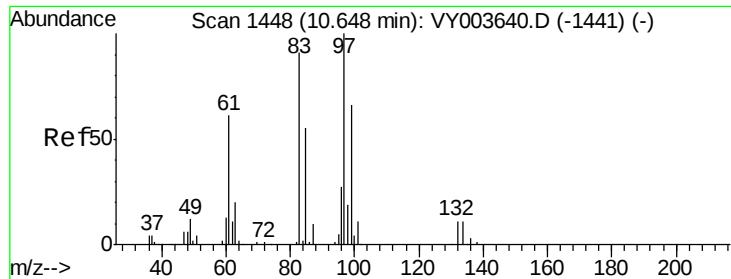
Tgt Ion: 75 Resp: 6397

Ion Ratio Lower Upper

75 100

77 34.5 22.9 42.5





#45

1,1,2-Trichloroethane

Concen: 1.323 ug/L

RT: 10.65 min Scan# 1448

Delta R.T. 0.00 min

Lab File: VY003645.D

Acq: 02 Dec 2020 12:21

Instrument :

MSVOA_Y

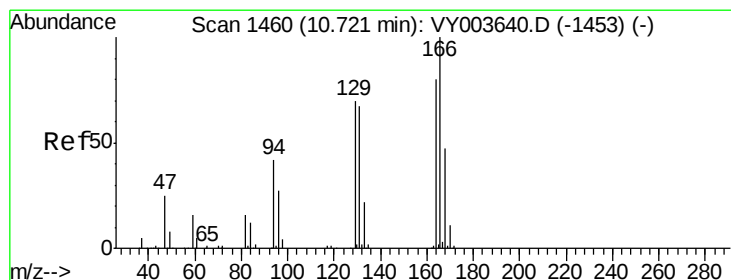
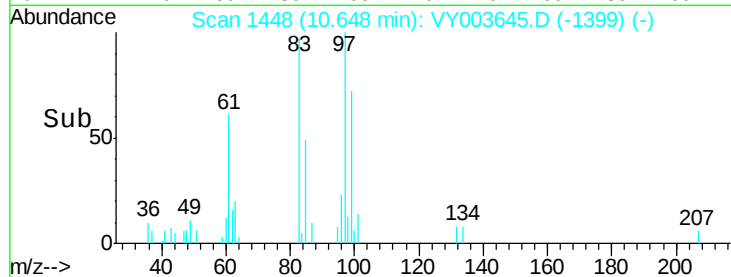
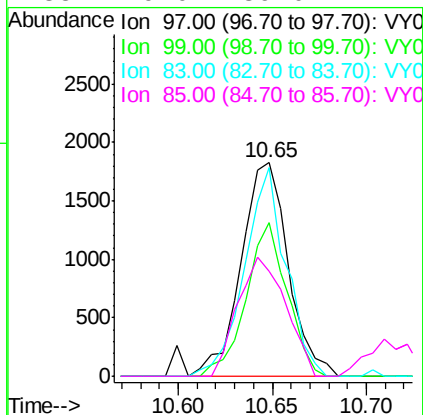
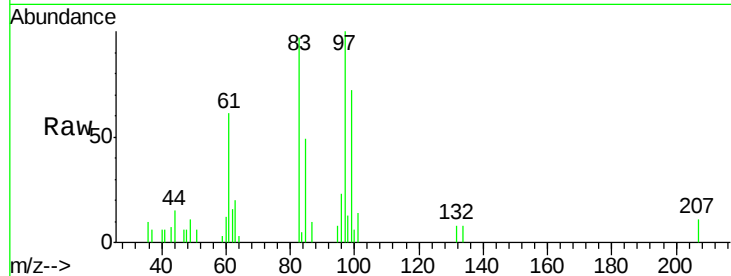
ClientSampled :

MDL01

Tot Ion:	97	Resp:	3176
Ion	Ratio	Lower	Upper
97	100		
99	71.7	45.1	83.9
83	102.7	59.7	110.9
85	49.0	39.0	72.4

Manual Integrations
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#46

Tetrachloroethene

Concen: 1.450 ug/L

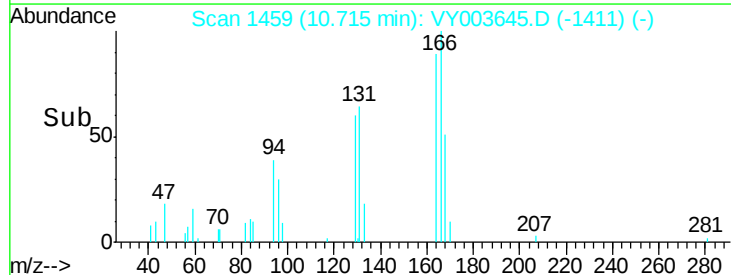
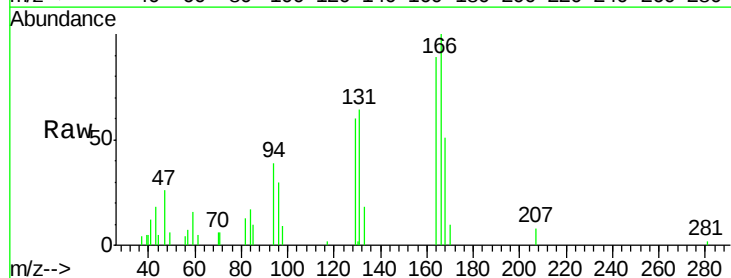
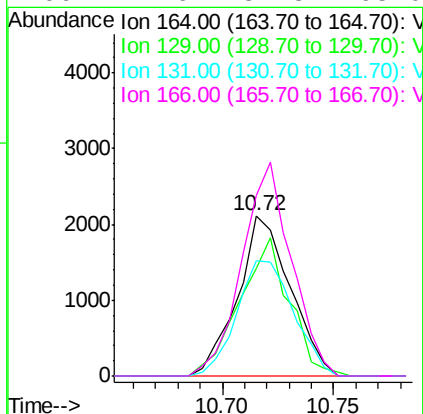
RT: 10.72 min Scan# 1459

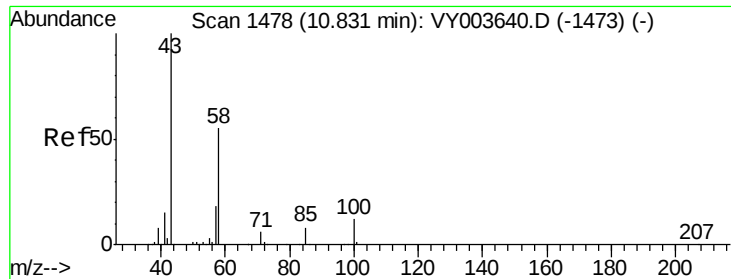
Delta R.T. -0.01 min

Lab File: VY003645.D

Acq: 02 Dec 2020 12:21

Tgt Ion:	164	Resp:	3488
Ion	Ratio	Lower	Upper
164	100		
129	67.3	58.9	109.5
131	71.8	59.0	109.6
166	112.6	87.8	163.0





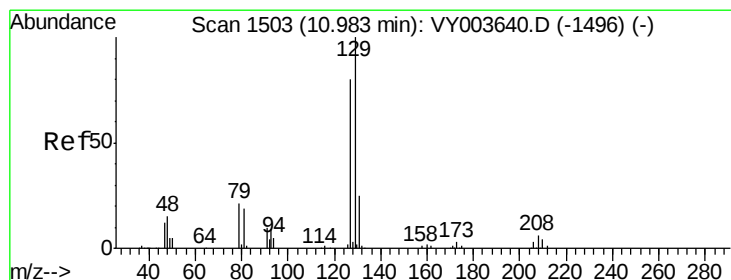
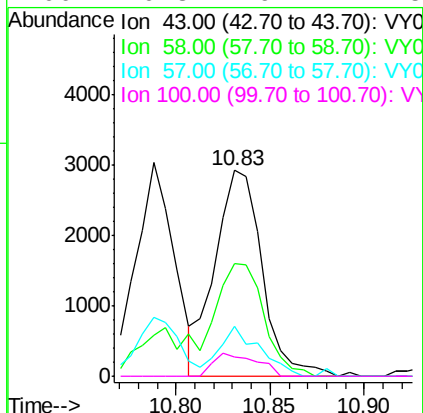
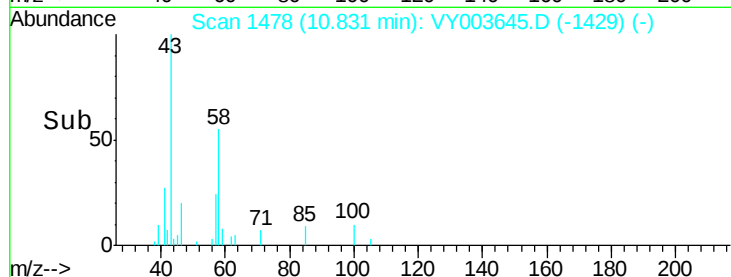
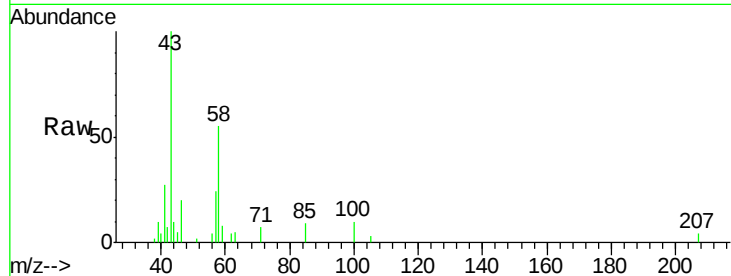
#48
2-Hexanone
Concen: 2.773 ug/L
RT: 10.83 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VY003645.D
Acq: 02 Dec 2020 12:21

Instrument :
MSVOA_Y
ClientSampleId :
MDL01

Tot Ion:	43	Resp:	5081
Ion	Ratio	Lower	Upper
43	100		
58	54.0	43.0	64.6
57	20.4	14.6	21.8
100	10.3	9.7	14.5

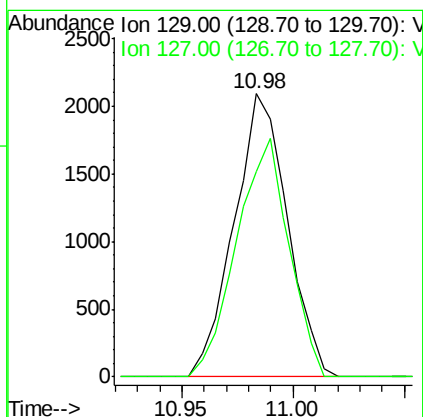
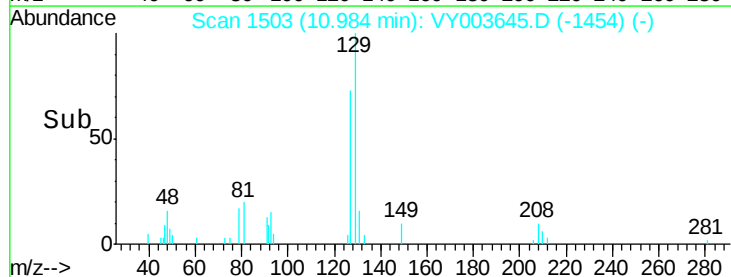
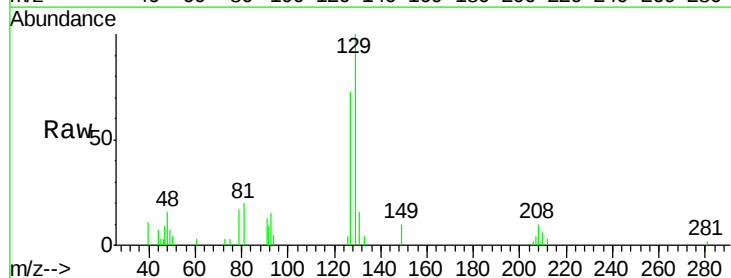
Manual Integrations
APPROVED

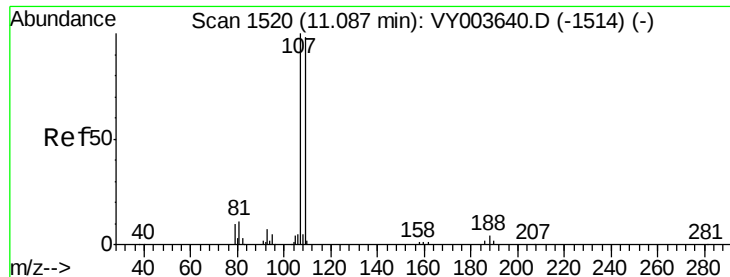
MMDadoda
12/3/2020 2:03:04 PM



#49
Dibromochloromethane
Concen: 1.256 ug/L
RT: 10.98 min Scan# 1503
Delta R.T. 0.00 min
Lab File: VY003645.D
Acq: 02 Dec 2020 12:21

Tgt Ion:	129	Resp:	3484
Ion	Ratio	Lower	Upper
129	100		
127	72.7	55.0	102.2





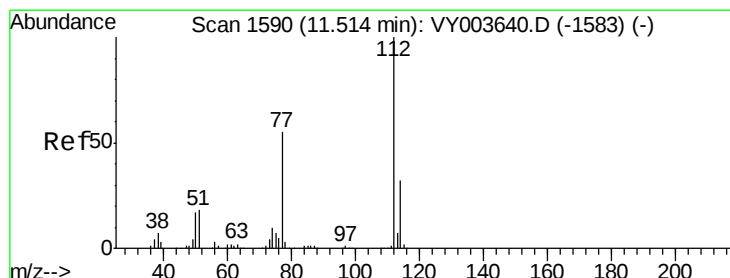
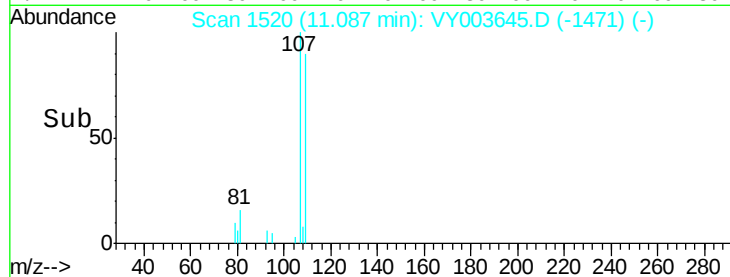
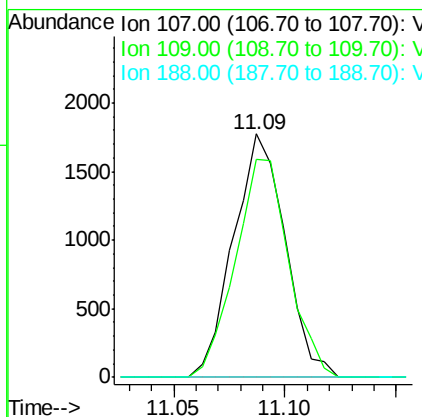
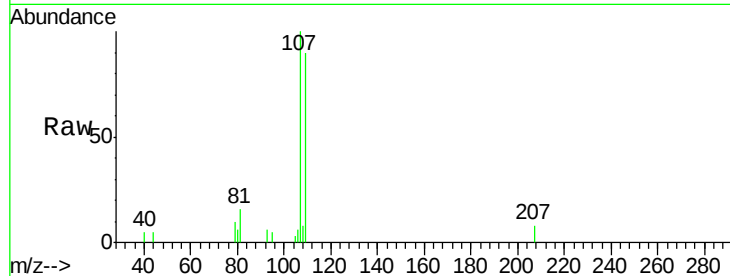
#50
 1,2-Dibromoethane
 Concen: 1.235 ug/L
 RT: 11.09 min Scan# 1520
 Delta R.T. 0.00 min
 Lab File: VY003645.D
 Acq: 02 Dec 2020 12:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL01

Tot Ion	Ratio	Lower	Upper
107	100		
109	89.7	65.5	121.7
188	0.0	3.8	5.8

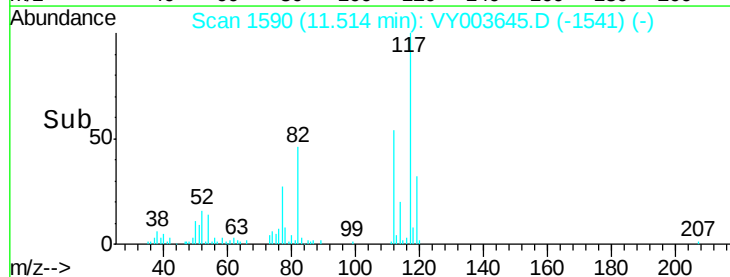
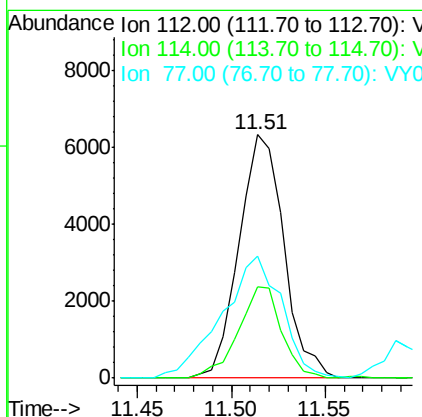
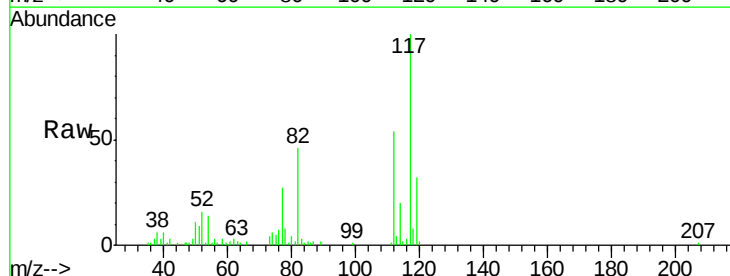
Manual Integrations
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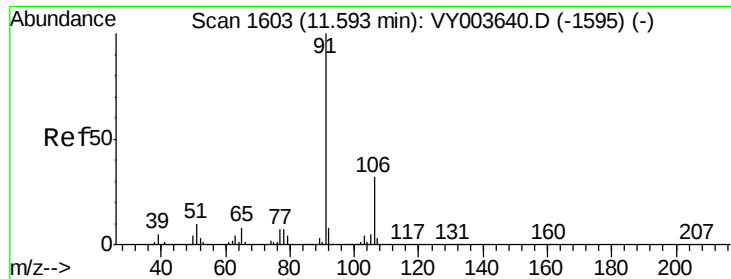
MMDadoda
 12/3/2020 2:03:04 PM



#51
 Chlorobenzene
 Concen: 1.371 ug/L
 RT: 11.51 min Scan# 1590
 Delta R.T. 0.00 min
 Lab File: VY003645.D
 Acq: 02 Dec 2020 12:21

Tgt Ion	Ratio	Lower	Upper
112	100		
114	37.4	22.2	41.2
77	50.2	43.8	65.6





#52

Ethylbenzene

Concen: 1.218 ug/L

RT: 11.59 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VY003645.D

Acq: 02 Dec 2020 12:21

Instrument :

MSVOA_Y

ClientSampled :

MDL01

Tot Ion: 91 Resp: 15420

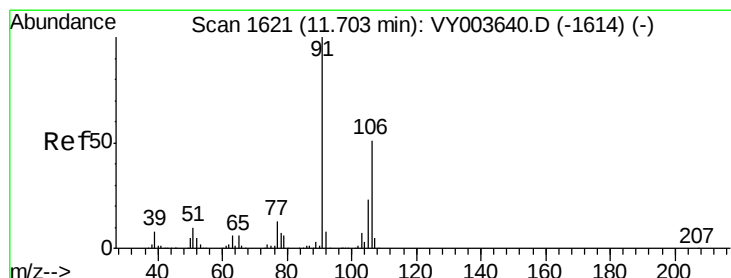
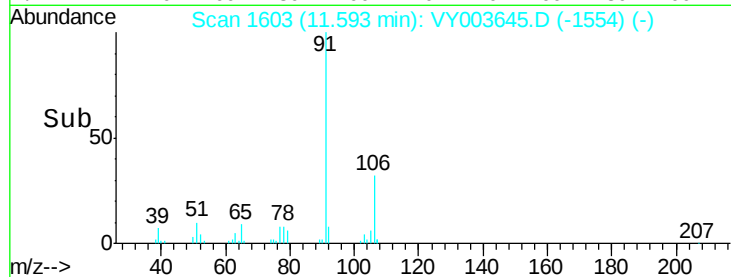
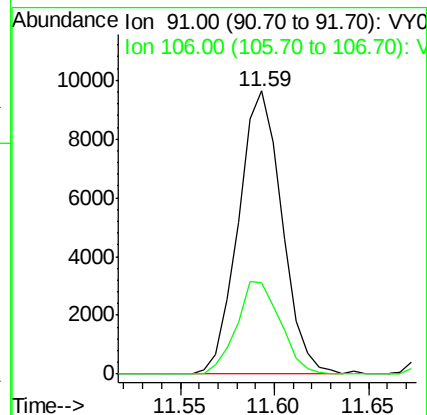
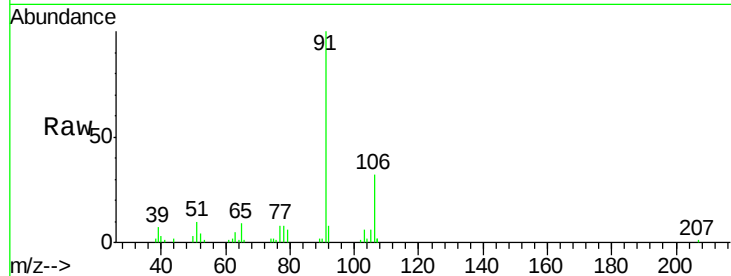
Ion Ratio Lower Upper

91 100

106 32.1 22.8 42.4

Manual Integrations
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#53

m,p-Xylene

Concen: 1.169 ug/L

RT: 11.70 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VY003645.D

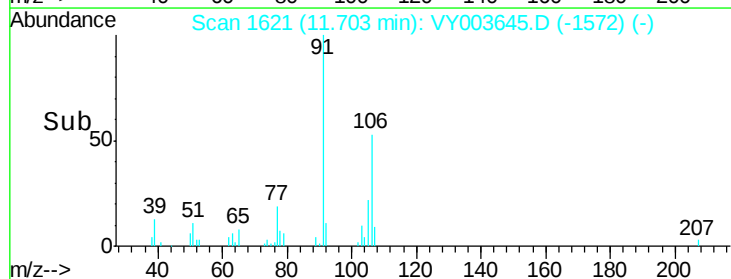
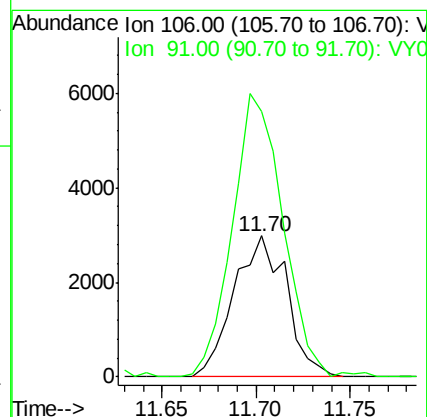
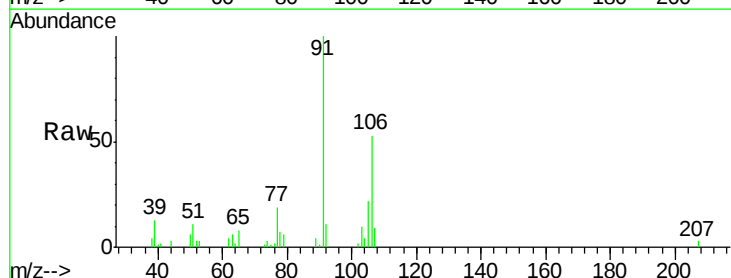
Acq: 02 Dec 2020 12:21

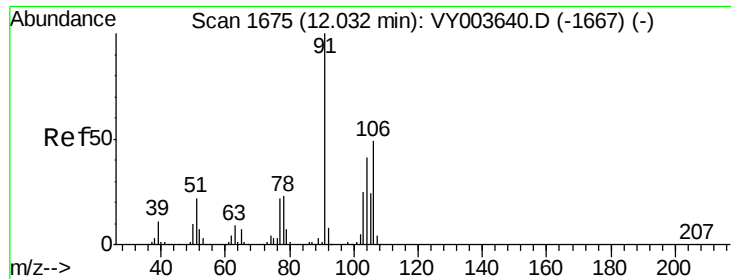
Tgt Ion: 106 Resp: 5786

Ion Ratio Lower Upper

106 100

91 189.1 133.1 247.3





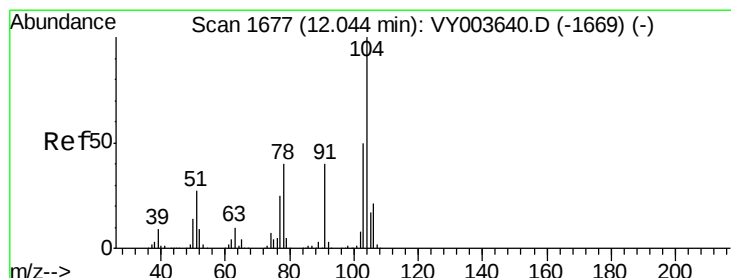
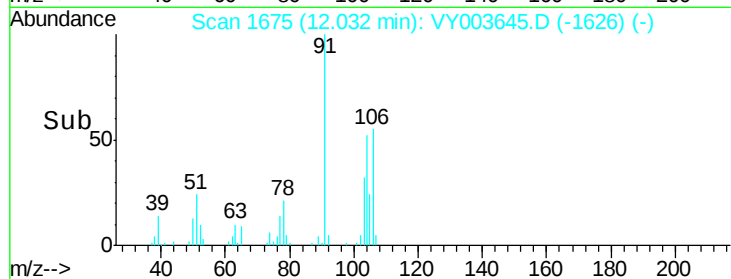
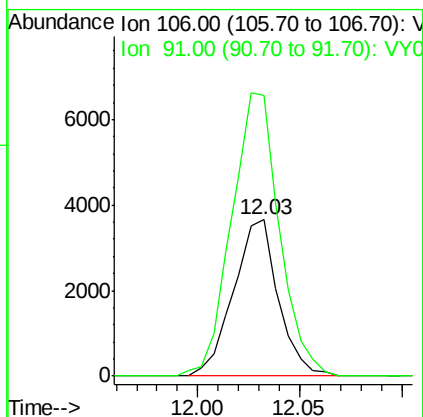
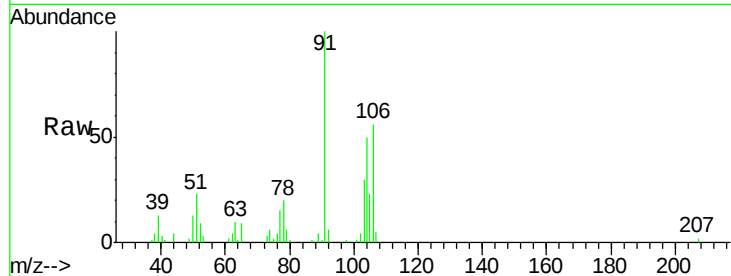
#54
o-Xylene
Concen: 1.194 ug/L
RT: 12.03 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VY003645.D
Acq: 02 Dec 2020 12:21

Instrument :
MSVOA_Y
ClientSampled :
MDL01

Tot Ion	Ratio	Lower	Upper
106	100		
91	179.2	144.1	267.5

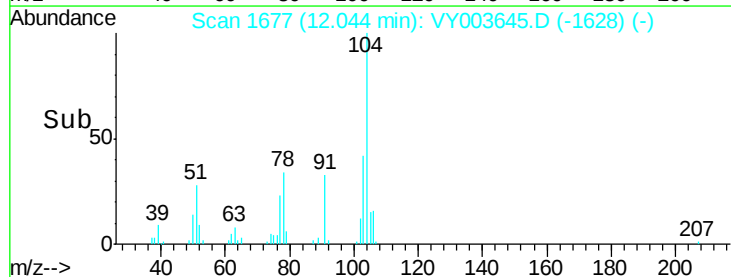
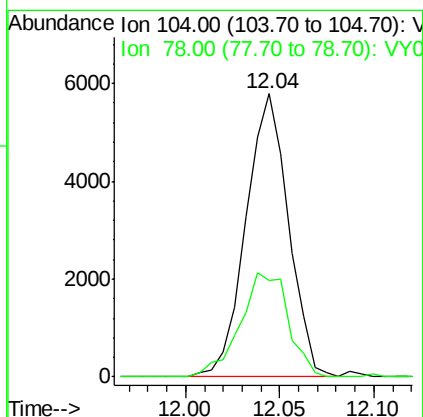
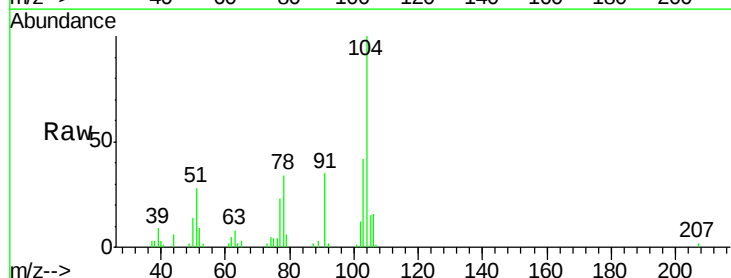
Manual Integrations
APPROVED

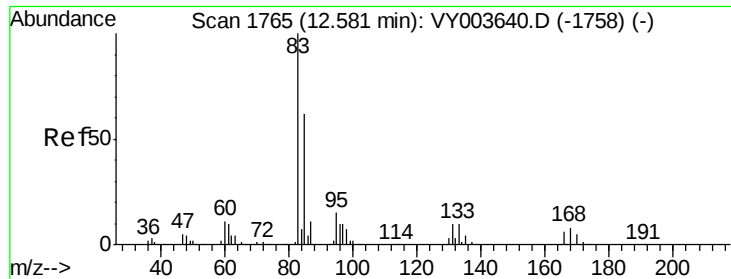
MMDadoda
12/3/2020 2:03:04 PM



#55
Styrene
Concen: 1.129 ug/L
RT: 12.04 min Scan# 1677
Delta R.T. 0.00 min
Lab File: VY003645.D
Acq: 02 Dec 2020 12:21

Tgt Ion	Ratio	Lower	Upper
104	100		
78	34.0	27.6	51.4





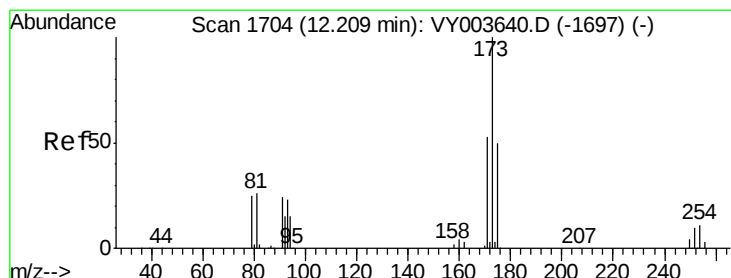
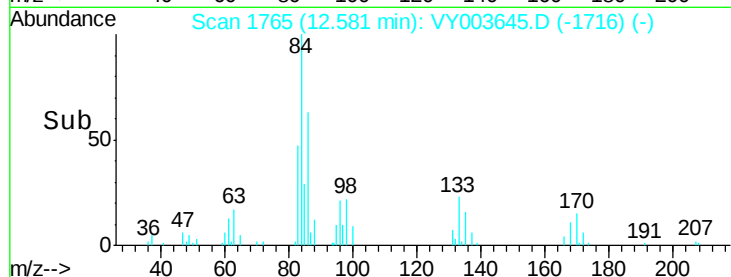
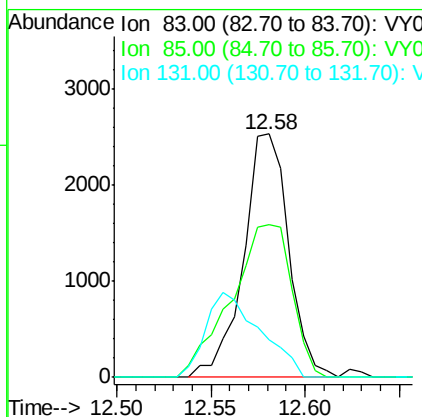
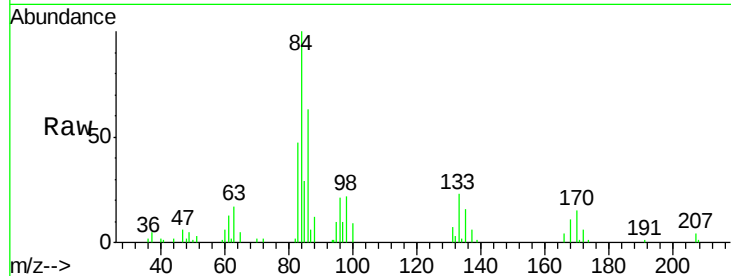
#57
 1,1,2,2-Tetrachloroethane
 Concen: 1.329 ug/L
 RT: 12.58 min Scan# 1765
 Delta R.T. 0.00 min
 Lab File: VY003645.D
 Acq: 02 Dec 2020 12:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL01

Tot Ion	83	Resp	4227
Ion Ratio	100	Lower	Upper
83	100		
85	62.9	46.1	85.7
131	15.7	8.1	12.1#

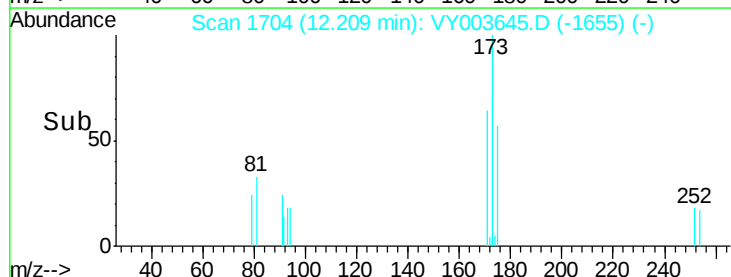
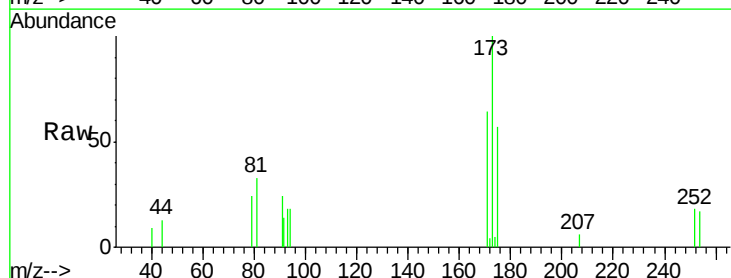
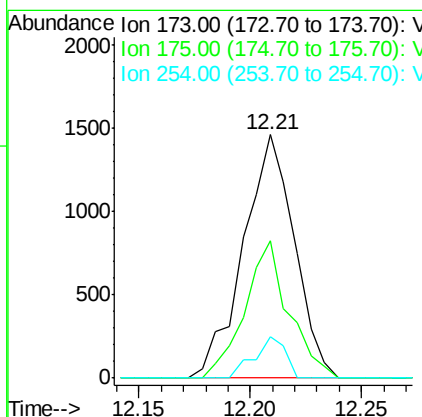
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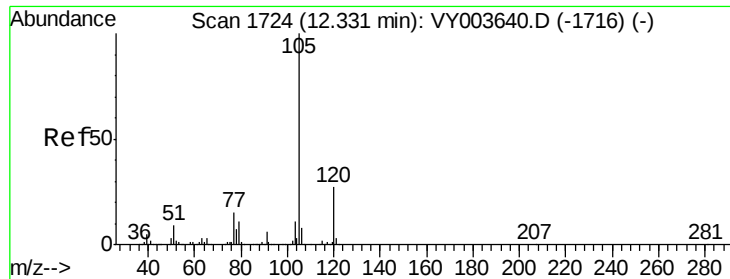
MMDadoda
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#59
 Bromoform
 Concen: 1.345 ug/L
 RT: 12.21 min Scan# 1704
 Delta R.T. 0.00 min
 Lab File: VY003645.D
 Acq: 02 Dec 2020 12:21

Tgt Ion	173	Resp	2324
Ion Ratio	100	Lower	Upper
173	100		
175	48.6	38.2	57.4
254	10.5	8.0	12.0





#60

Isopropylbenzene

Concen: 1.190 ug/L

RT: 12.33 min Scan# 1724

Delta R.T. 0.00 min

Lab File: VY003645.D

Acq: 02 Dec 2020 12:21

Instrument :

MSVOA_Y

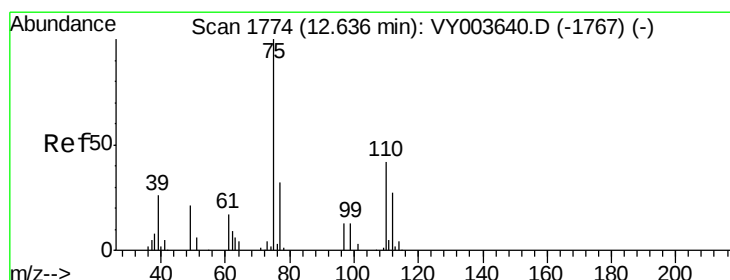
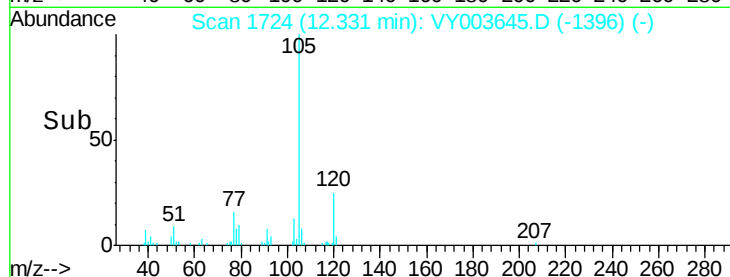
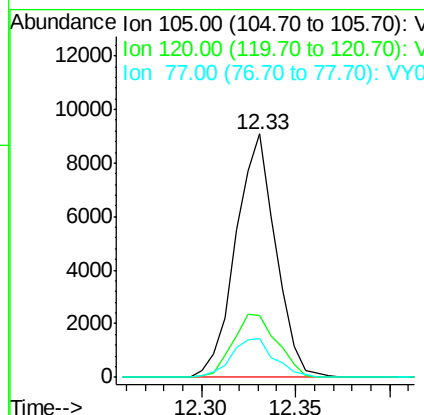
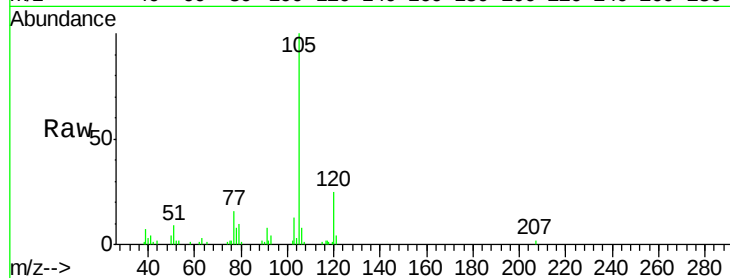
ClientSampleId :

MDL01

Tot Ion:	105	Resp:	13385
Ion Ratio	Lower	Upper	
105	100		
120	28.7	22.0	33.0
77	17.0	12.1	18.1

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#61

1,2,3-Trichloropropane

Concen: 1.401 ug/L

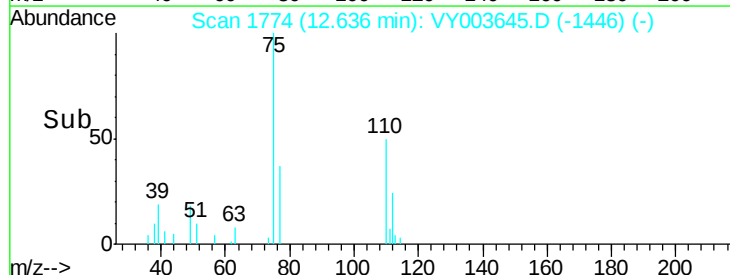
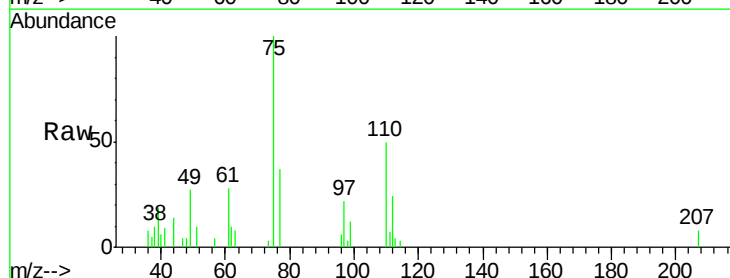
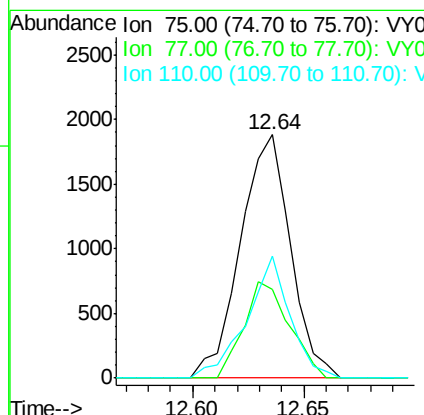
RT: 12.64 min Scan# 1774

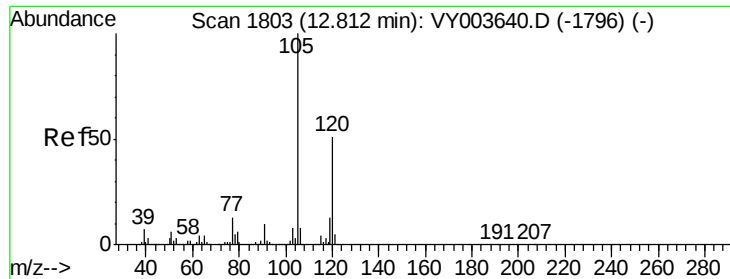
Delta R.T. 0.00 min

Lab File: VY003645.D

Acq: 02 Dec 2020 12:21

Tgt Ion:	75	Resp:	2948
Ion Ratio	Lower	Upper	
75	100		
77	36.4	26.3	39.5
110	43.7	33.0	49.4





#62

1,3,5-Trimethylbenzene

Concen: 1.166 ug/L

RT: 12.81 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VY003645.D

Acq: 02 Dec 2020 12:21

Instrument :

MSVOA_Y

ClientSampleId :

MDL01

Tot Ion:105 Resp: 10405

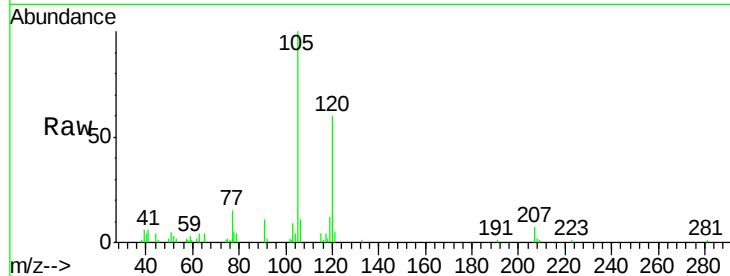
Ion Ratio Lower Upper

105 100

120 52.1 40.4 60.6

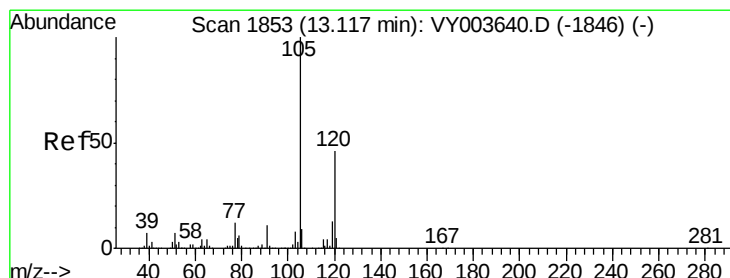
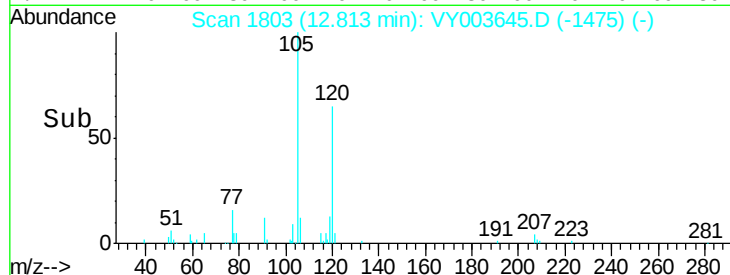
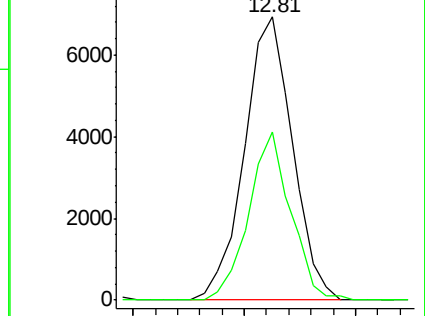
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 1.123 ug/L

RT: 13.12 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VY003645.D

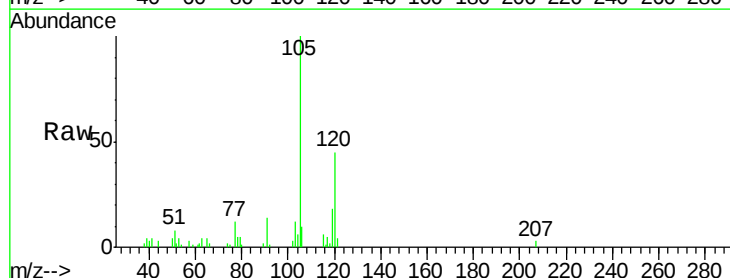
Acq: 02 Dec 2020 12:21

Tgt Ion:105 Resp: 9897

Ion Ratio Lower Upper

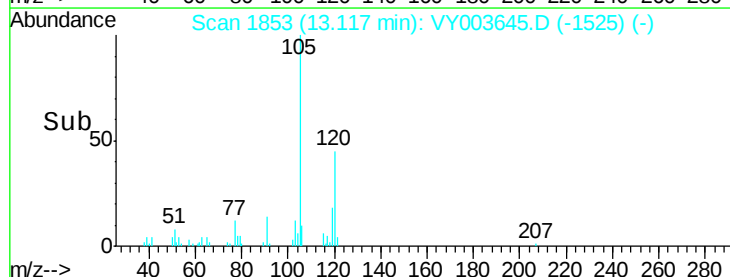
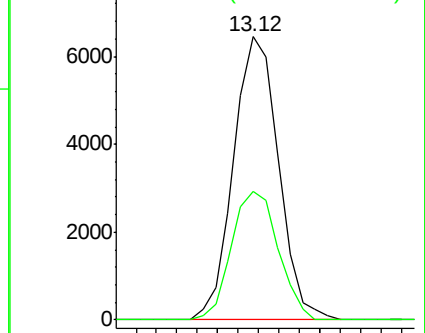
105 100

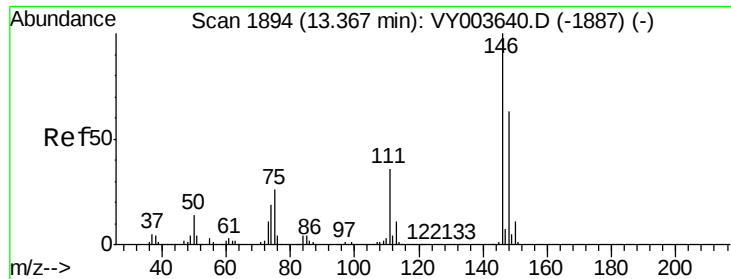
120 46.9 38.0 57.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#64

1,3-Dichlorobenzene

Concen: 1.316 ug/L

RT: 13.36 min Scan# 1893

Delta R.T. -0.01 min

Lab File: VY003645.D

Acq: 02 Dec 2020 12:21

Instrument :

MSVOA_Y

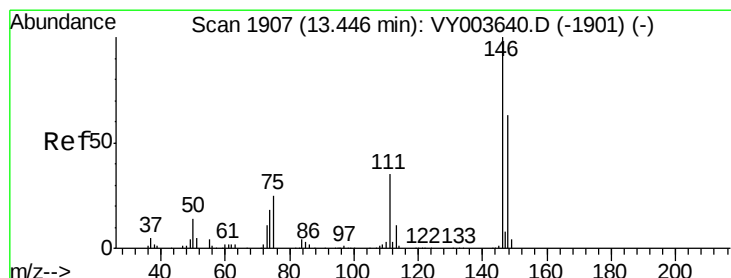
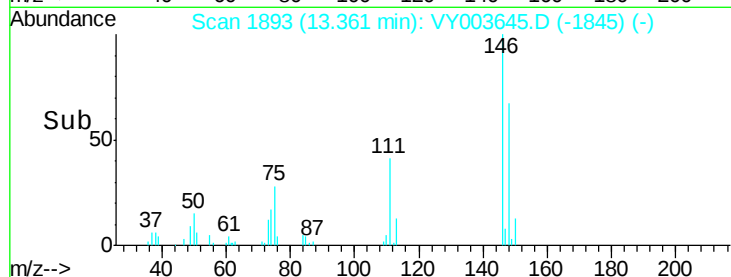
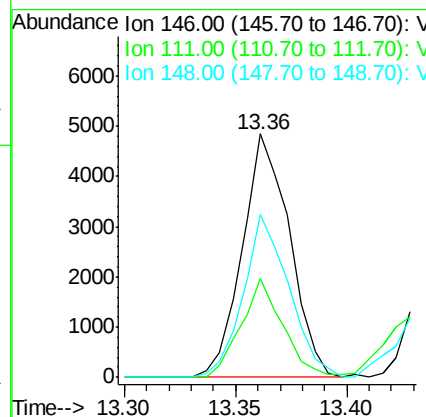
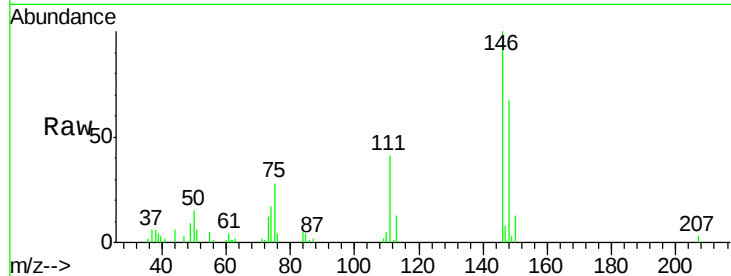
ClientSampled :

MDL01

Tot Ion:	146	Resp:	7163
Ion	Ratio	Lower	Upper
146	100		
111	40.7	26.6	49.4
148	66.8	46.3	86.1

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#65

1,4-Dichlorobenzene

Concen: 1.316 ug/L

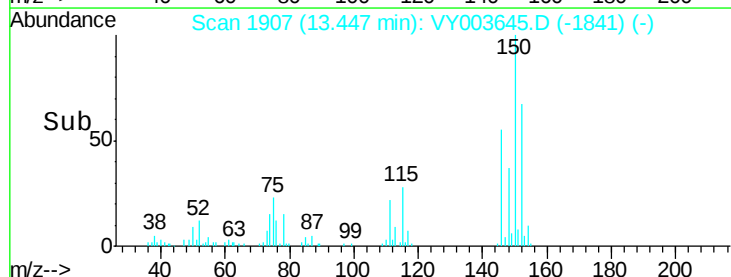
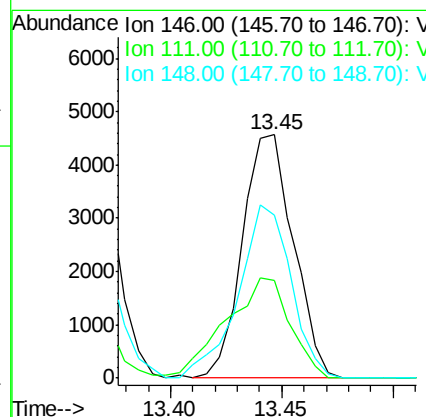
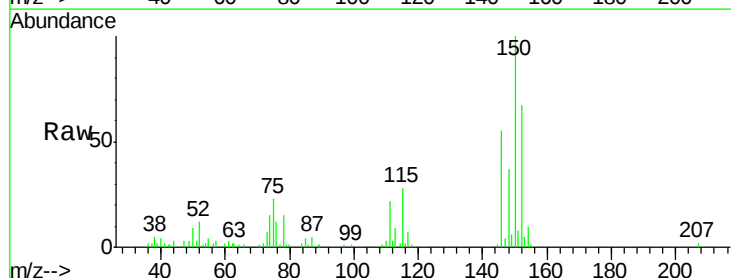
RT: 13.45 min Scan# 1907

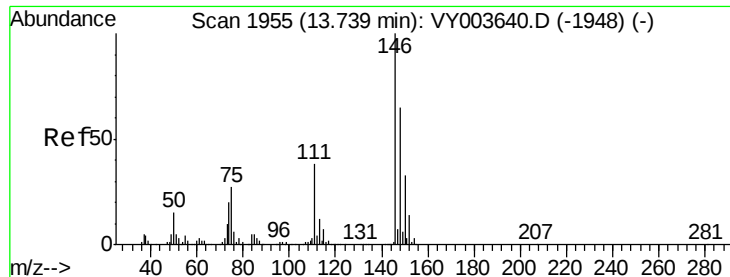
Delta R.T. 0.00 min

Lab File: VY003645.D

Acq: 02 Dec 2020 12:21

Tgt Ion:	146	Resp:	7281
Ion	Ratio	Lower	Upper
146	100		
111	40.0	24.7	45.9
148	66.8	43.4	80.6





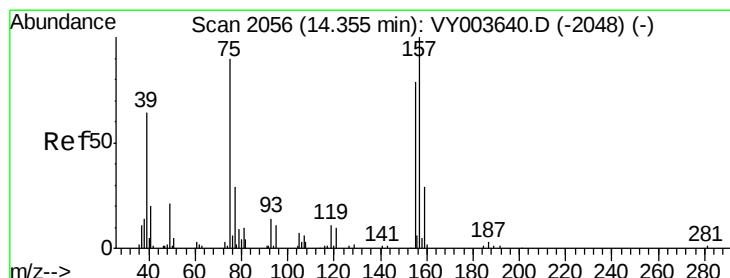
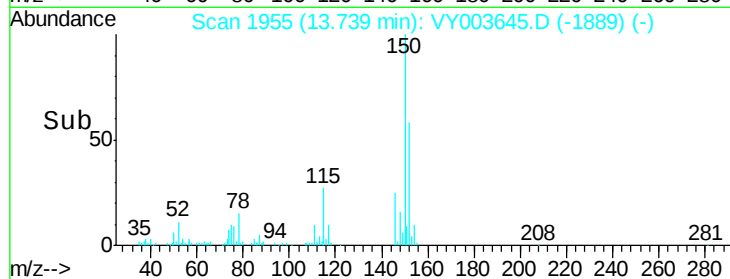
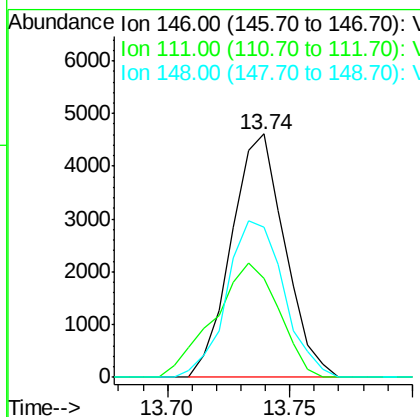
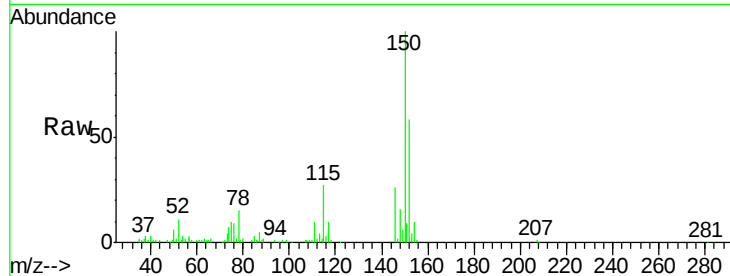
#67
 1,2-Dichlorobenzene
 Concen: 1.376 ug/L
 RT: 13.74 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VY003645.D
 Acq: 02 Dec 2020 12:21

Instrument :
 MSVOA_Y
 ClientSampled :
 MDL01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	31.0	46.6
148	61.8	51.0	76.4

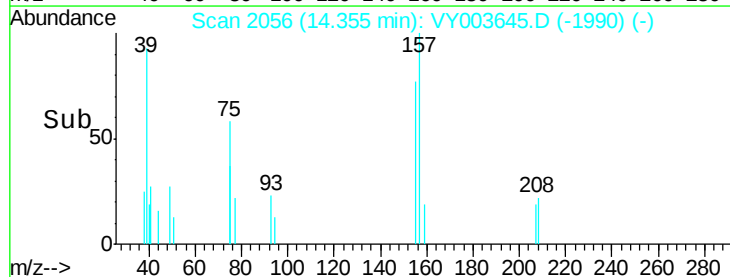
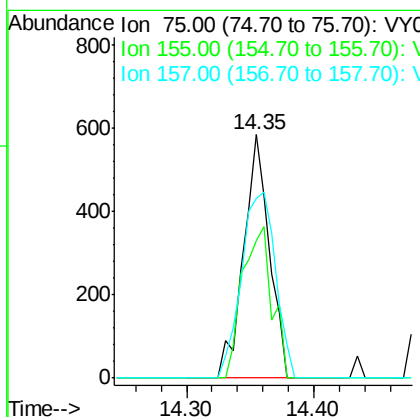
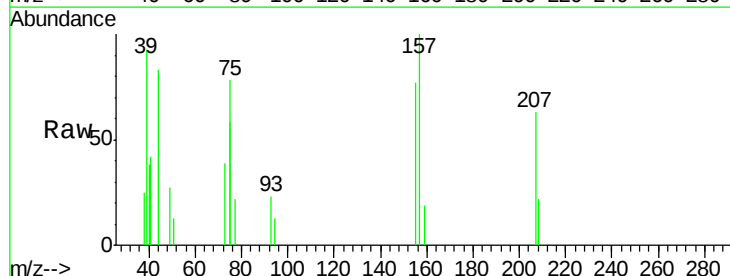
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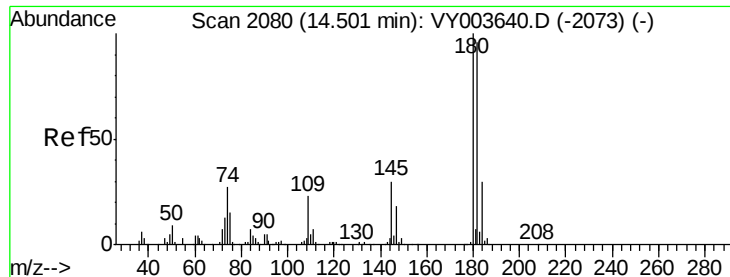
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#68
 1,2-Dibromo-3-chloropropane
 Concen: 1.687 ug/L m
 RT: 14.35 min Scan# 2056
 Delta R.T. 0.00 min
 Lab File: VY003645.D
 Acq: 02 Dec 2020 12:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.1	73.4	110.0
157	128.7	98.1	147.1





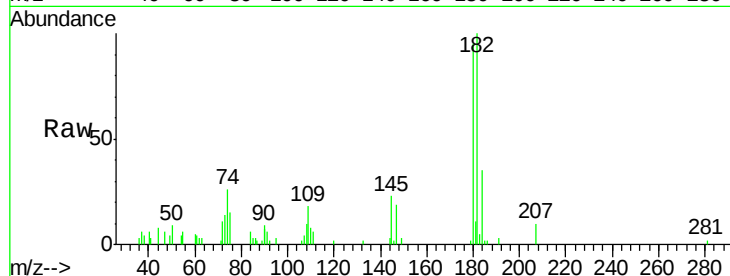
#69
 1,3,5-Trichlorobenzene
 Concen: 1.292 ug/L
 RT: 14.50 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VY003645.D
 Acq: 02 Dec 2020 12:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL01

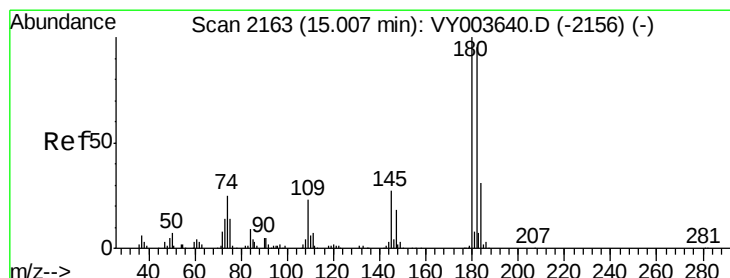
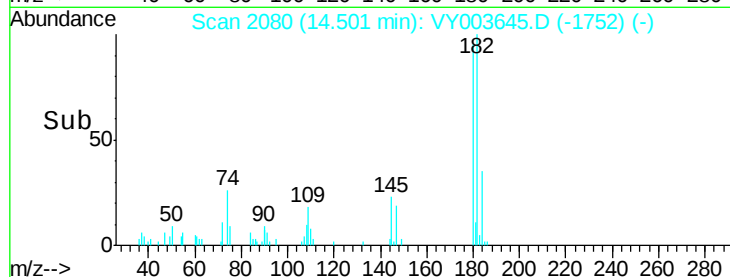
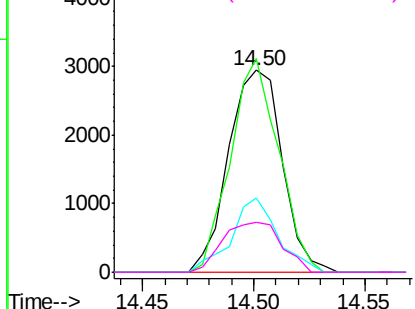
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	75.4	113.0
184	31.9	24.1	36.1
145	27.1	22.4	33.6

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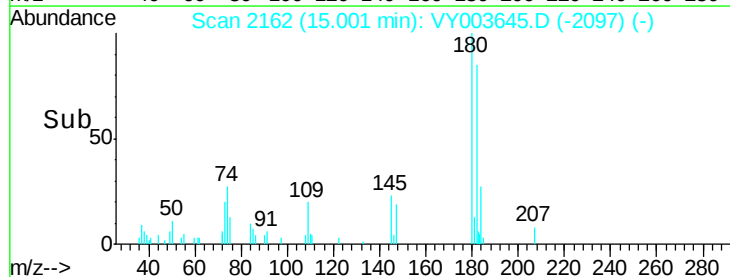
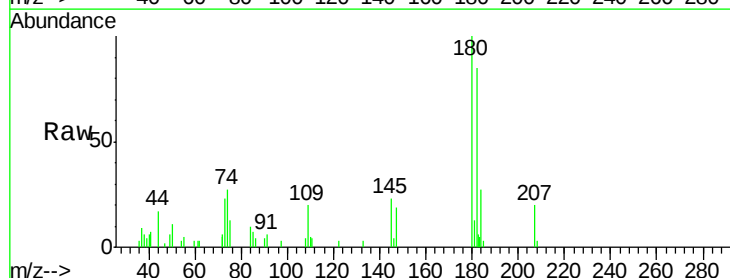
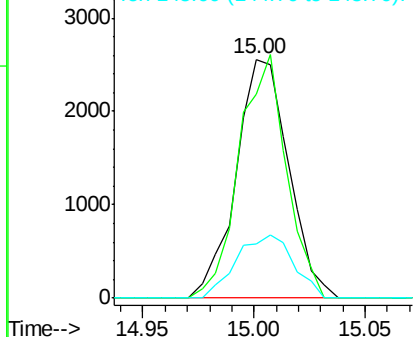
Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

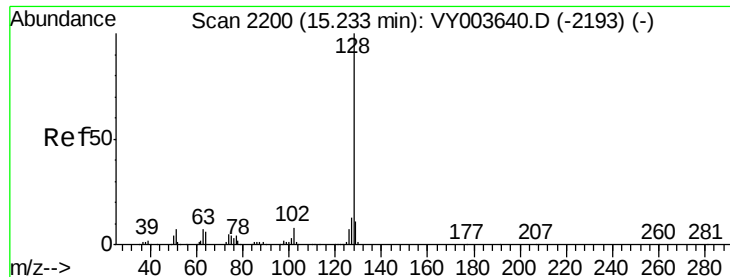


#70
 1,2,4-trichlorobenzene
 Concen: 1.290 ug/L
 RT: 15.00 min Scan# 2162
 Delta R.T. -0.01 min
 Lab File: VY003645.D
 Acq: 02 Dec 2020 12:21

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.6	76.1	114.1
145	28.7	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





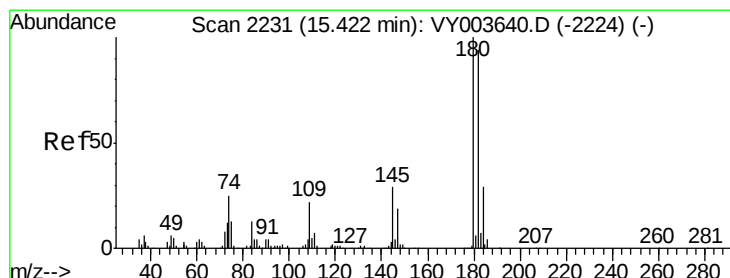
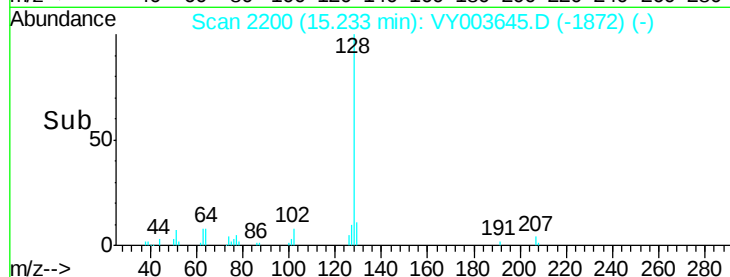
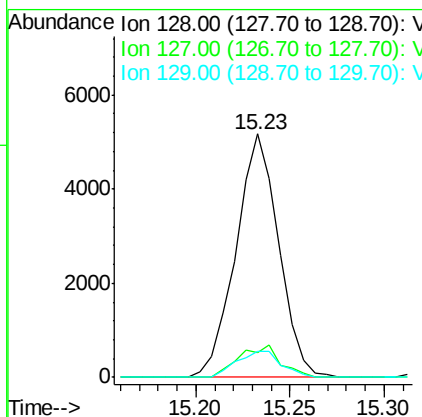
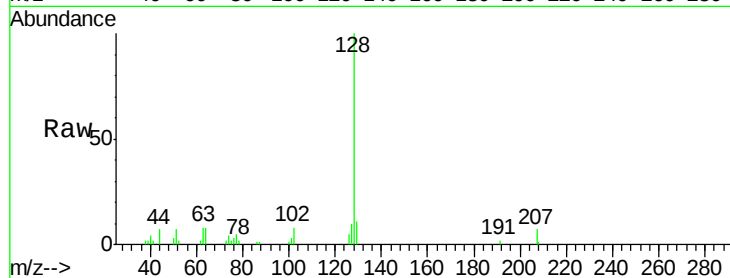
#71
Naphthalene
Concen: 1.141 ug/L
RT: 15.23 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VY003645.D
Acq: 02 Dec 2020 12:21

Instrument :
MSVOA_Y
ClientSampleId :
MDL01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	11.3	8.5	12.7

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#72
1,2,3-Trichlorobenzene
Concen: 1.314 ug/L
RT: 15.42 min Scan# 2231
Delta R.T. 0.00 min
Lab File: VY003645.D
Acq: 02 Dec 2020 12:21

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.2	114.4
145	24.6	23.6	35.4

