

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120220\
 Data File : VY003647.D
 Acq On : 02 Dec 2020 13:05
 Operator : SY/MD
 Sample : MDL03
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL03

Manual Integrations
 APPROVED

MMDadoda
 12/3/2020 2:03:17 PM

Quant Time: Dec 03 01:32:03 2020

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

Quant Title : VOC Analysis

QLast Update : Thu Dec 03 01:26:31 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	205394	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	189145	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	90439	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	57587	21.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.84%
7) Chloroethane-d5	2.77	69	47672	22.90	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.60%
11) 1,1-Dichloroethene-d2	3.86	63	92298	17.28	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	69.12%
21) 2-Butanone-d5	6.90	46	61642	53.50	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.00%
24) Chloroform-d	7.49	84	115232	22.12	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	88.48%
26) 1,2-Dichloroethane-d4	8.15	65	63746	22.59	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.36%
32) Benzene-d6	8.12	84	248449	23.11	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.44%
36) 1,2-Dichloropropane-d6	9.12	67	75456	23.05	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.20%
41) Toluene-d8	10.18	98	219256	22.83	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.32%
43) trans-1,3-Dichloropropene-	10.44	79	34569	22.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.20%
47) 2-Hexanone-d5	10.79	63	44094	50.40	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.80%
56) 1,1,2,2-Tetrachloroethane-	12.56	84	77650	23.45	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.80%
66) 1,2-Dichlorobenzene-d4	13.72	152	73884	23.02	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.08%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.91	85	3278	1.375 ug/L	96
3) Chloromethane	2.12	50	3537	1.368 ug/L	91
5) Vinyl chloride	2.25	62	3888	1.402 ug/L	84
6) Bromomethane	2.66	94	2432	1.400 ug/L	98
8) Chloroethane	2.80	64	2312	1.335 ug/L	84
9) Trichlorofluoromethane	3.14	101	5660	1.344 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	3.92	101	4442m	1.581 ug/L	
12) 1,1-Dichloroethene	3.88	96	4240	1.588 ug/L #	1
13) Acetone	3.95	43	2504m	3.033 ug/L	
14) Carbon disulfide	4.20	76	11106	1.259 ug/L #	88
15) Methyl Acetate	4.48	43	2732m	1.374 ug/L	
16) Methylene chloride	4.73	84	10306	2.972 ug/L	90
17) trans-1,2-Dichloroethene	5.23	96	3640	1.241 ug/L	90
18) Methyl tert-butyl Ether	5.23	73	8102	1.131 ug/L #	70
19) 1,1-Dichloroethane	6.03	63	6139m	1.244 ug/L	
20) cis-1,2-Dichloroethene	6.99	96	3954	1.286 ug/L	99
22) 2-Butanone	6.99	43	4595	3.310 ug/L #	56

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Quant Time: Dec 03 01:32:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL120120SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 03 01:26:31 2020
 Response via : Initial Calibration

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

23) Bromochloromethane	7.35	128	1910	1.274	ug/L	80
25) Chloroform	7.52	83	6457	1.306	ug/L	88
27) 1,2-Dichloroethane	8.25	62	4178m	1.283	ug/L	
29) Cyclohexane	7.79	56	4863	1.083	ug/L	96
30) 1,1,1-Trichloroethane	7.71	97	5425	1.258	ug/L	97
31) Carbon tetrachloride	7.91	117	4971	1.277	ug/L	92
33) Benzene	8.17	78	14119	1.221	ug/L	100
34) Trichloroethene	8.95	95	3544	1.228	ug/L	88
35) Methylcyclohexane	9.18	83	5663	1.148	ug/L	96
37) 1,2-Dichloropropane	9.22	63	3471	1.183	ug/L #	95
38) Bromodichloromethane	9.50	83	4380	1.186	ug/L	87
39) cis-1,3-Dichloropropene	9.93	75	4993	1.101	ug/L	94
40) 4-Methyl-2-pentanone	10.07	43	6921	2.686	ug/L	99
42) Toluene	10.25	91	15043	1.239	ug/L	98
44) trans-1,3-Dichloropropene	10.46	75	6330	1.513	ug/L	85
45) 1,1,2-Trichloroethane	10.65	97	3070	1.246	ug/L	92
46) Tetrachloroethene	10.72	164	3289	1.332	ug/L	92
48) 2-Hexanone	10.83	43	5098	2.711	ug/L #	96
49) Dibromochloromethane	10.98	129	3254	1.143	ug/L	96
50) 1,2-Dibromoethane	11.09	107	2946	1.236	ug/L	95
51) Chlorobenzene	11.51	112	9427	1.205	ug/L	91
52) Ethylbenzene	11.59	91	14539	1.119	ug/L	96
53) m,p-Xylene	11.70	106	5838	1.149	ug/L	88
54) o-Xylene	12.03	106	5612	1.169	ug/L	71
55) Styrene	12.04	104	8475	1.032	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.59	83	4222	1.293	ug/L #	91
59) Bromoform	12.21	173	2210	1.245	ug/L	95
60) Isopropylbenzene	12.33	105	12945	1.120	ug/L	98
61) 1,2,3-Trichloropropane	12.63	75	2984	1.380	ug/L	97
62) 1,3,5-Trimethylbenzene	12.81	105	10297	1.123	ug/L	99
63) 1,2,4-Trimethylbenzene	13.12	105	9376	1.035	ug/L	95
64) 1,3-Dichlorobenzene	13.37	146	6848	1.224	ug/L	93
65) 1,4-Dichlorobenzene	13.44	146	7315	1.287	ug/L #	90
67) 1,2-Dichlorobenzene	13.73	146	6551	1.247	ug/L #	94
68) 1,2-Dibromo-3-chloropropan	14.35	75	762m	1.518	ug/L	
69) 1,3,5-Trichlorobenzene	14.50	180	4907	1.249	ug/L	97
70) 1,2,4-trichlorobenzene	15.01	180	3809	1.138	ug/L	94
71) Naphthalene	15.23	128	7536	1.031	ug/L	98
72) 1,2,3-Trichlorobenzene	15.42	180	3402	1.107	ug/L	97

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

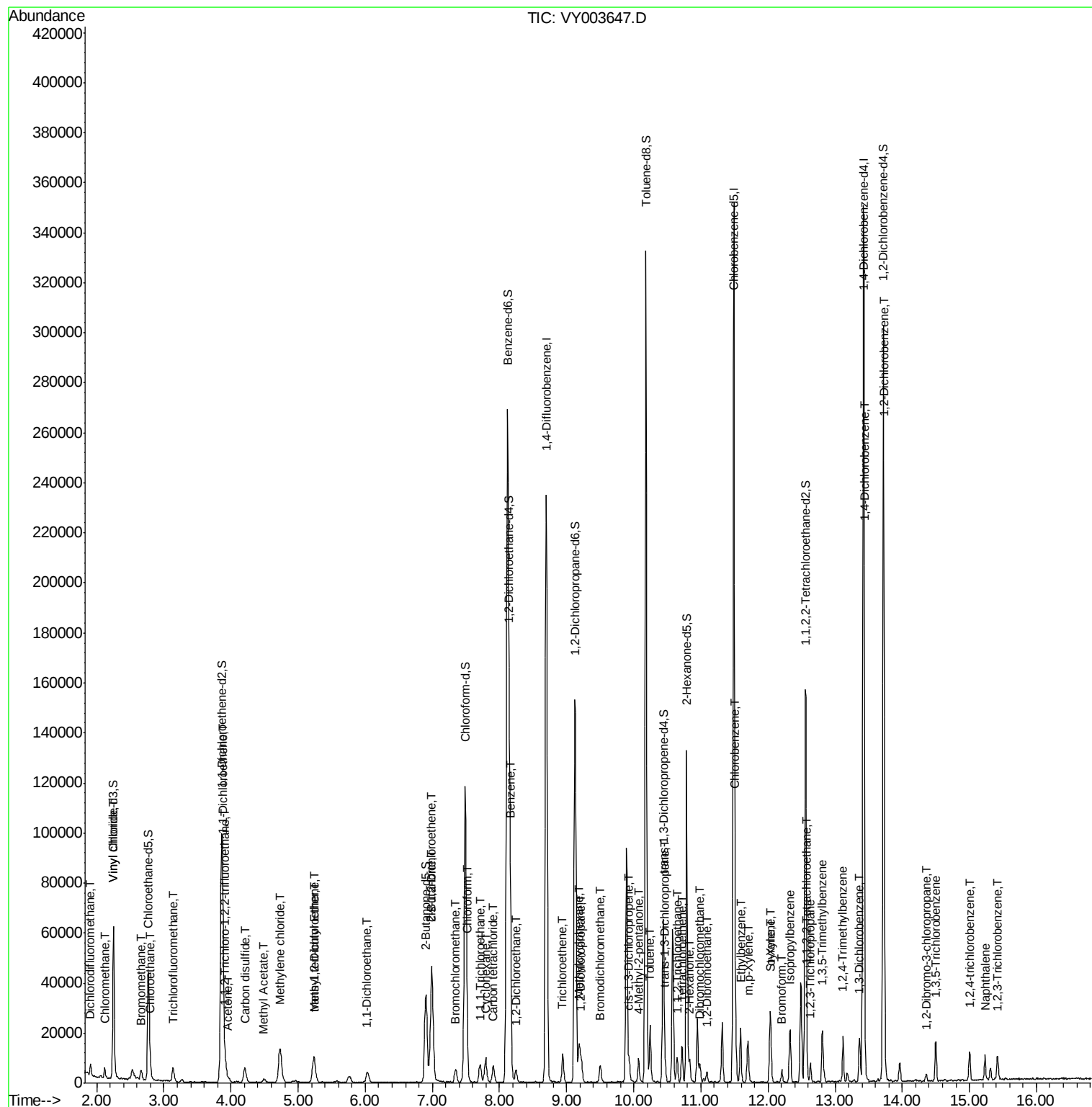
Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120220\
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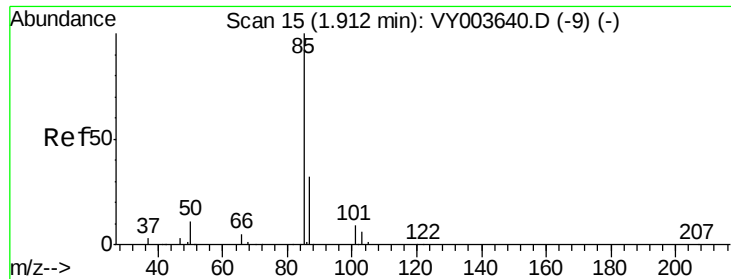
Instrument :
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 Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 1.375 ug/L

RT: 1.91 min Scan# 14

Delta R.T. -0.01 min

Lab File: VY003647.D

Acq: 02 Dec 2020 13:05

Instrument :

MSVOA_Y

ClientSampleId :

MDL03

Tot Ion: 85 Resp: 3278

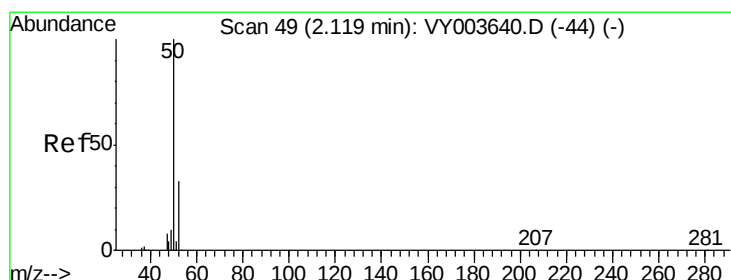
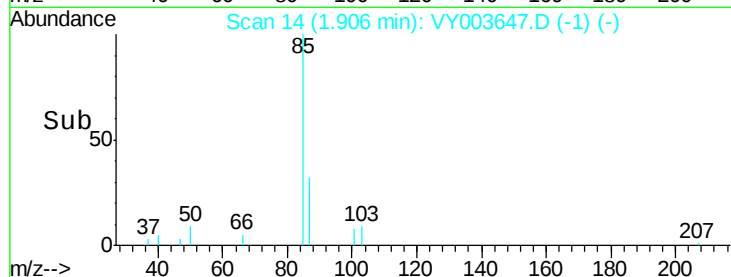
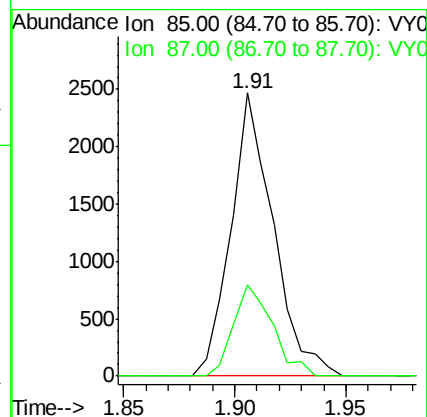
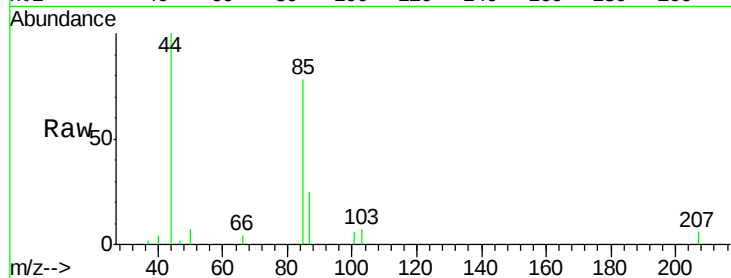
Ion Ratio Lower Upper

85 100

87 29.7 25.4 38.2

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#3

Chloromethane

Concen: 1.368 ug/L

RT: 2.12 min Scan# 49

Delta R.T. -0.00 min

Lab File: VY003647.D

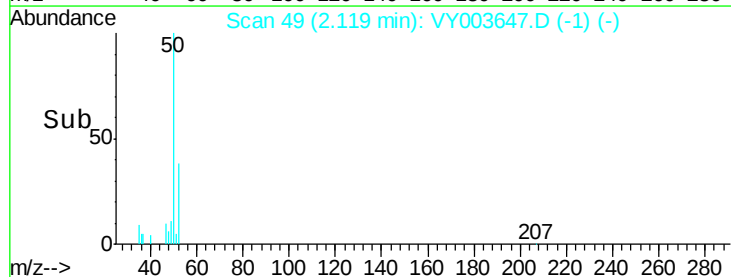
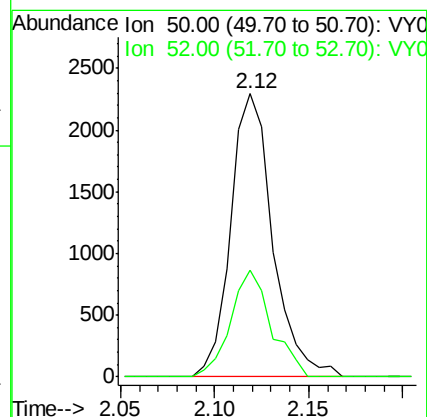
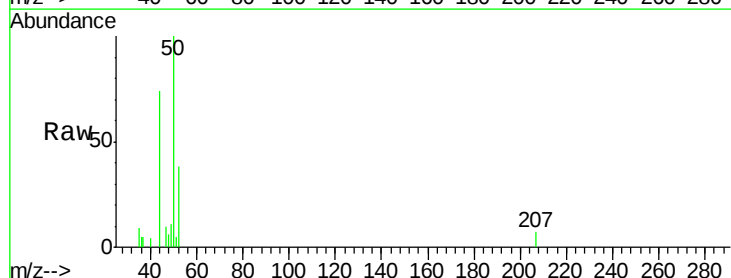
Acq: 02 Dec 2020 13:05

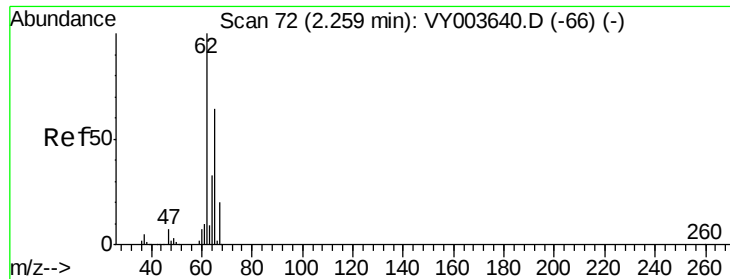
Tgt Ion: 50 Resp: 3537

Ion Ratio Lower Upper

50 100

52 37.5 22.7 42.3





#5

Vinyl chloride

Concen: 1.402 ug/L

RT: 2.25 min Scan# 71

Delta R.T. -0.01 min

Lab File: VY003647.D

Acq: 02 Dec 2020 13:05

Instrument :

MSVOA_Y

ClientSampled :

MDL03

Tot Ion: 62 Resp: 3888

Ion Ratio Lower Upper

62 100

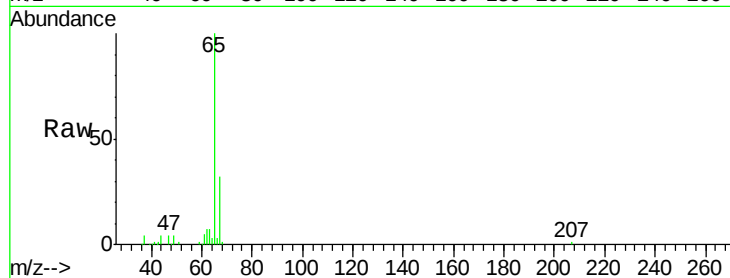
64 40.1 21.9 40.7

Manual Integrations

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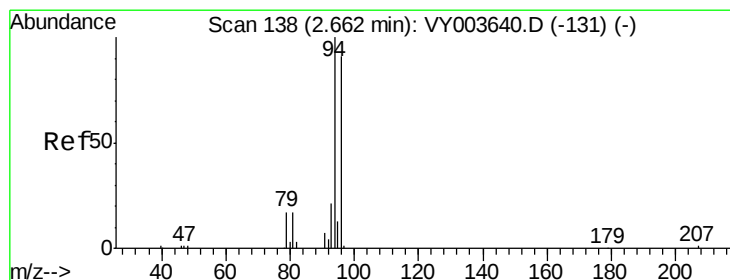
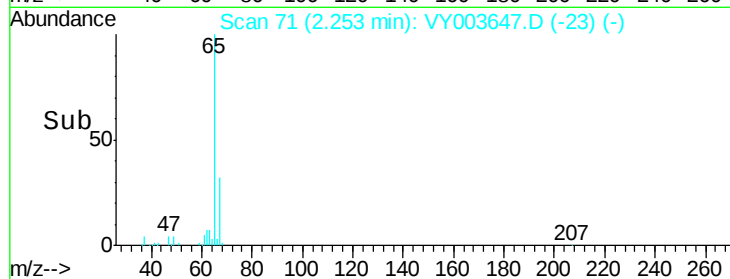
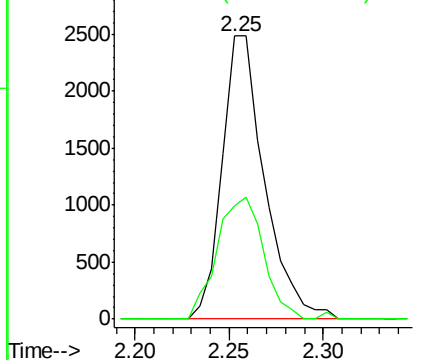
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Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 64.00 (63.70 to 64.70): VY0



#6

Bromomethane

Concen: 1.400 ug/L

RT: 2.66 min Scan# 138

Delta R.T. -0.00 min

Lab File: VY003647.D

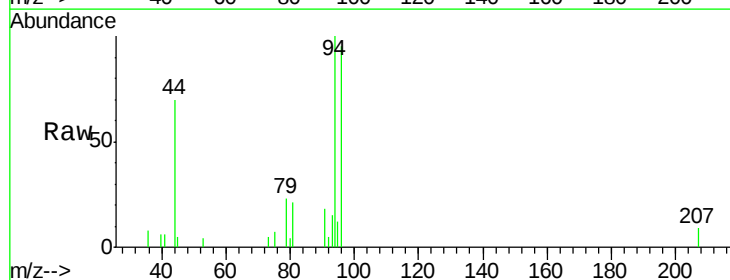
Acq: 02 Dec 2020 13:05

Tgt Ion: 94 Resp: 2432

Ion Ratio Lower Upper

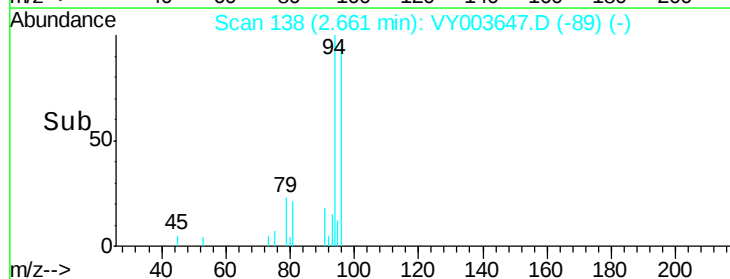
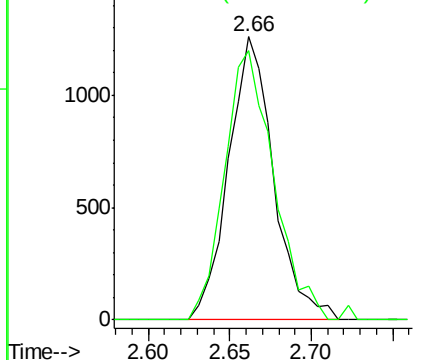
94 100

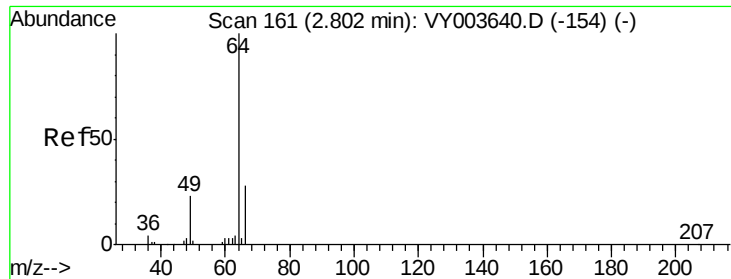
96 95.1 65.2 121.0



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0





#8

Chloroethane

Concen: 1.335 ug/L

RT: 2.80 min Scan# 161

Delta R.T. 0.00 min

Lab File: VY003647.D

Acq: 02 Dec 2020 13:05

Instrument :

MSVOA_Y

ClientSampleId :

MDL03

Tot Ion: 64 Resp: 2312

Ion Ratio Lower Upper

64 100

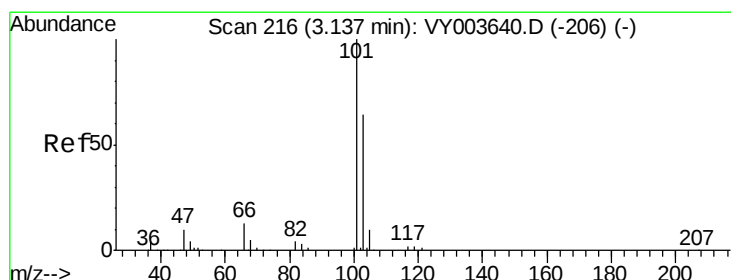
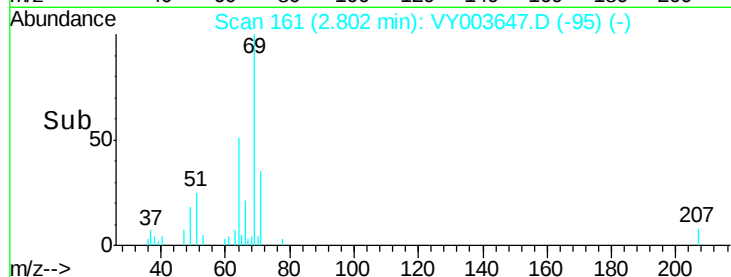
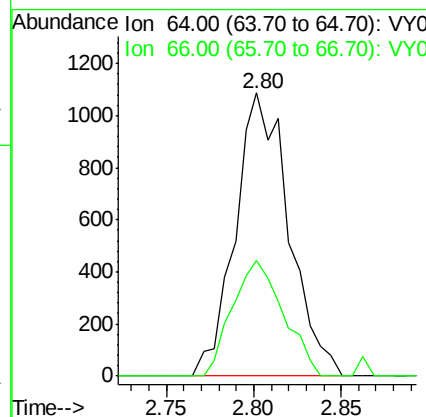
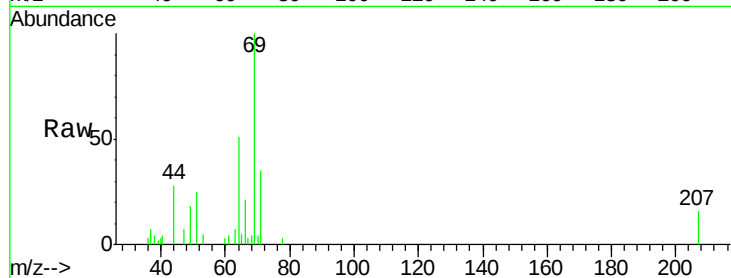
66 40.8 22.2 41.2

Manual Integrations

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#9

Trichlorofluoromethane

Concen: 1.344 ug/L

RT: 3.14 min Scan# 216

Delta R.T. -0.00 min

Lab File: VY003647.D

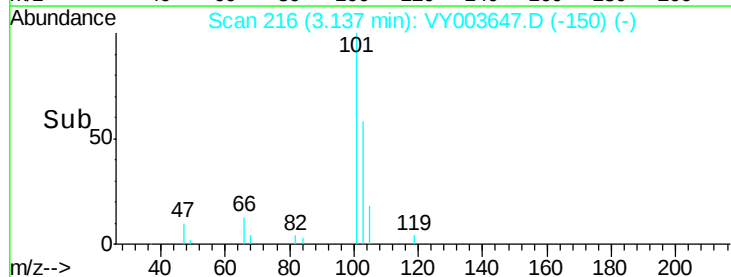
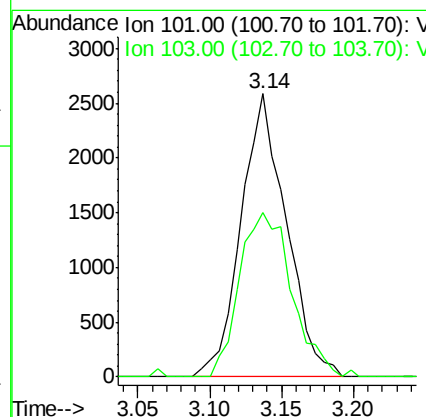
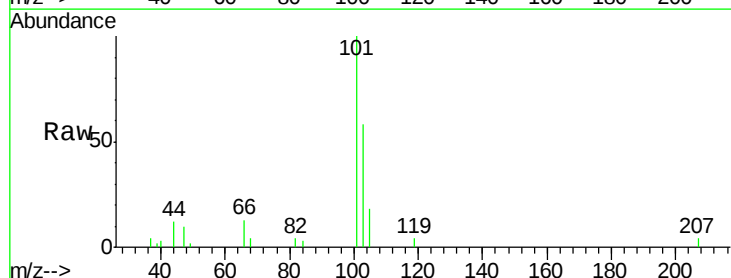
Acq: 02 Dec 2020 13:05

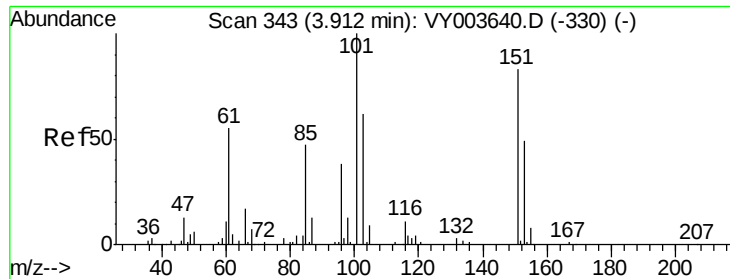
Tgt Ion: 101 Resp: 5660

Ion Ratio Lower Upper

101 100

103 66.9 51.9 77.9





#10

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

Concen: 1.581 ug/L m

RT: 3.92 min Scan# 344

Delta R.T. 0.01 min

Lab File: VY003647.D

Acq: 02 Dec 2020 13:05

Instrument :

MSVOA_Y

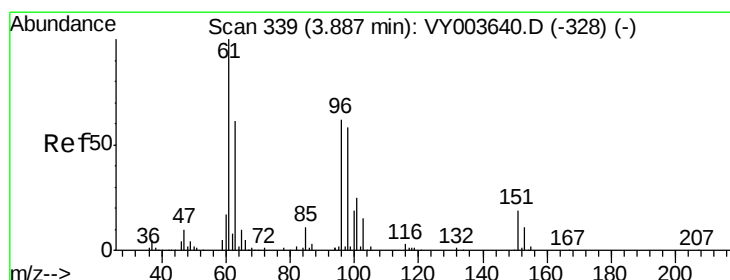
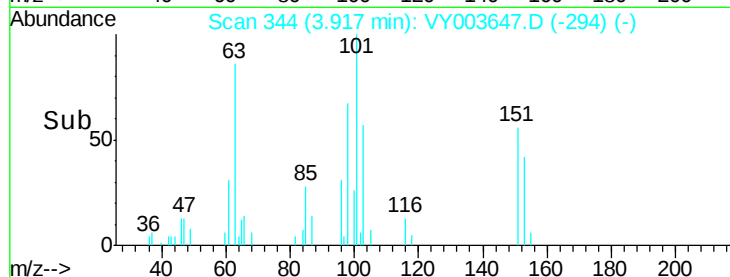
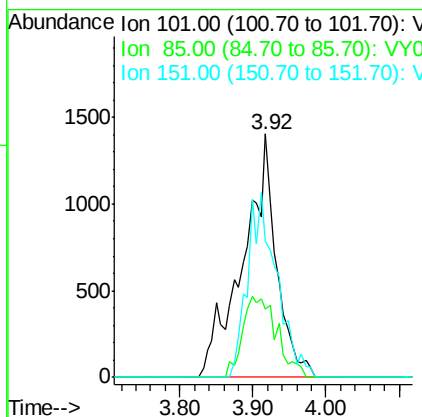
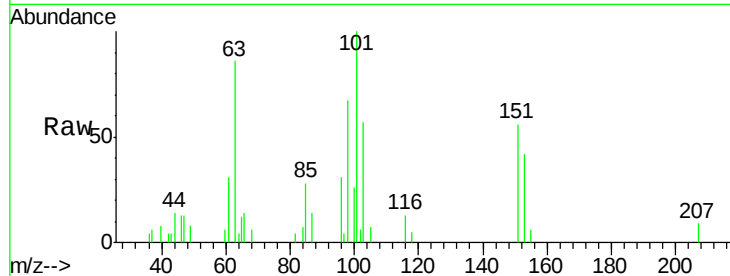
ClientSampleId :

MDL03

Tot Ion:	101	Resp:	4442
Ion Ratio	Lower	Upper	
101	100		
85	0.0	35.6	53.4#
151	0.0	64.2	96.2#

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 1.588 ug/L

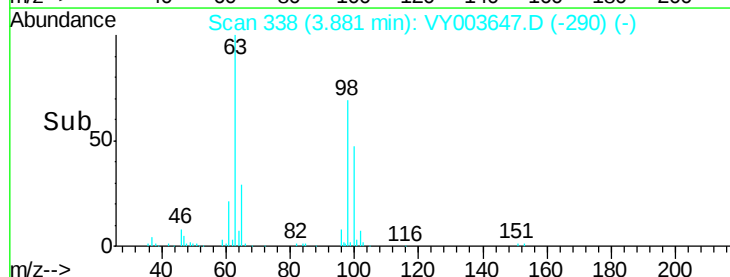
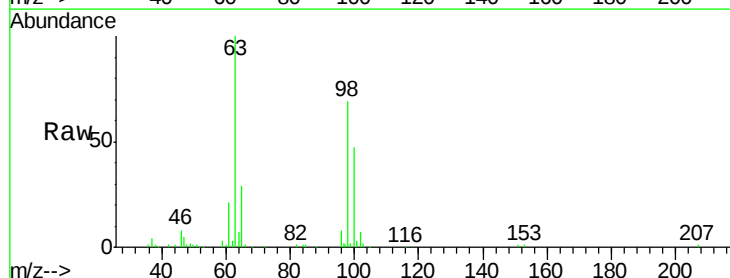
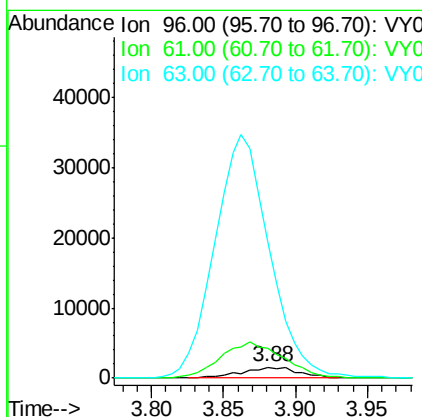
RT: 3.88 min Scan# 338

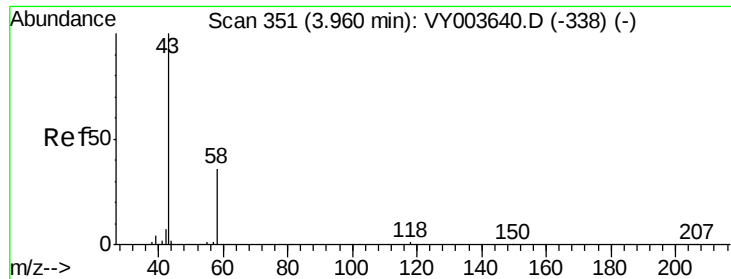
Delta R.T. -0.01 min

Lab File: VY003647.D

Acq: 02 Dec 2020 13:05

Tgt Ion:	96	Resp:	4240
Ion Ratio	Lower	Upper	
96	100		
61	262.7	106.1	197.1#
63	1223.2	62.9	116.9#





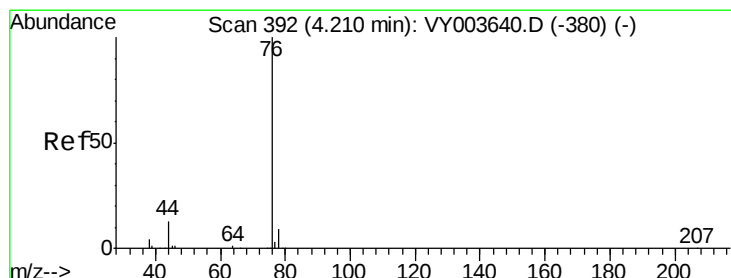
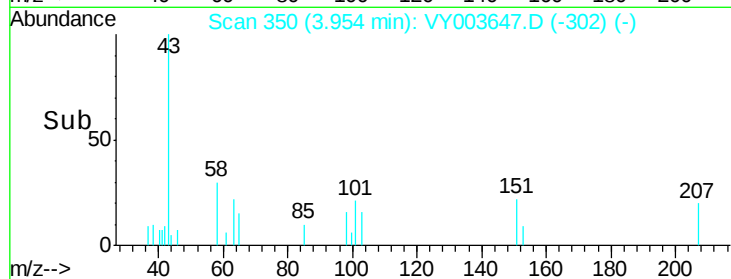
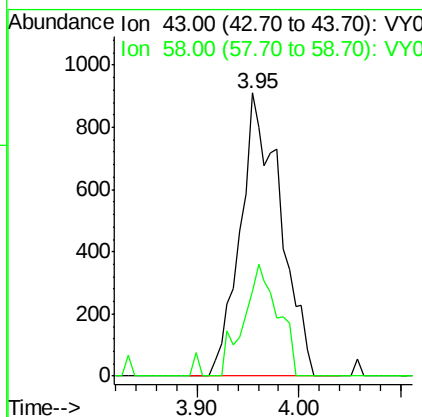
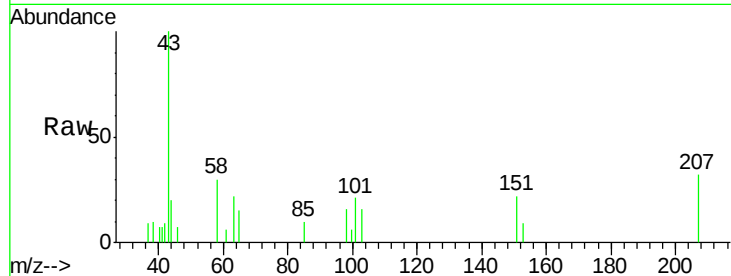
#13
Acetone
Concen: 3.033 ug/L m
RT: 3.95 min Scan# 350
Delta R.T. -0.01 min
Lab File: VY003647.D
Acq: 02 Dec 2020 13:05

Instrument :
MSVOA_Y
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Tot Ion	Ratio	Lower	Upper
43	100		
58	17.8	0.0	61.6

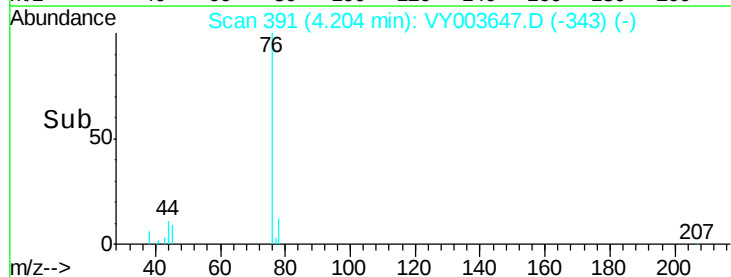
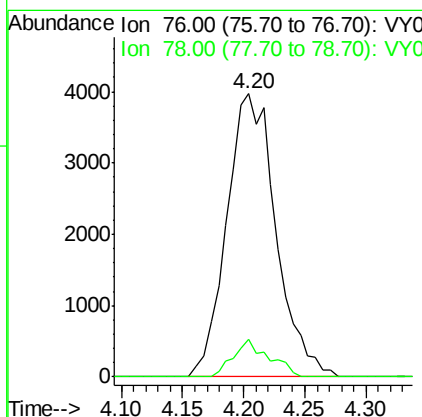
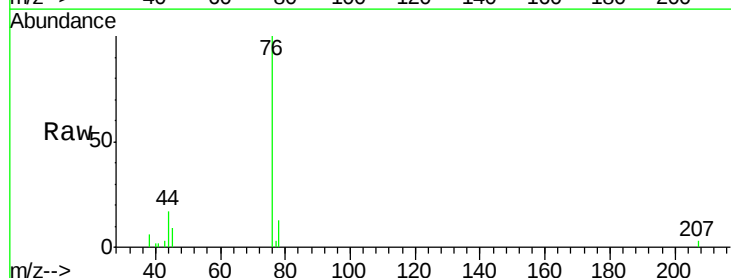
Manual Integrations
APPROVED

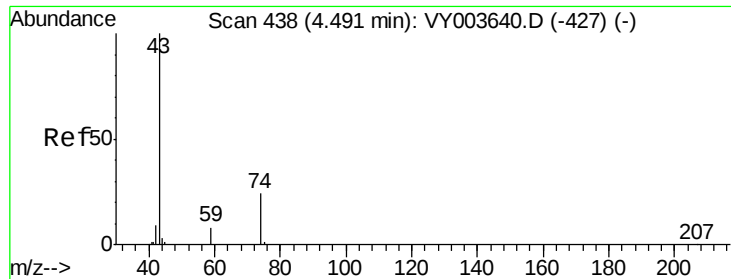
MMDadoda
12/3/2020 2:03:17 PM



#14
Carbon disulfide
Concen: 1.259 ug/L
RT: 4.20 min Scan# 391
Delta R.T. -0.01 min
Lab File: VY003647.D
Acq: 02 Dec 2020 13:05

Tgt Ion	Ratio	Lower	Upper
76	100		
78	13.4	7.3	10.9#





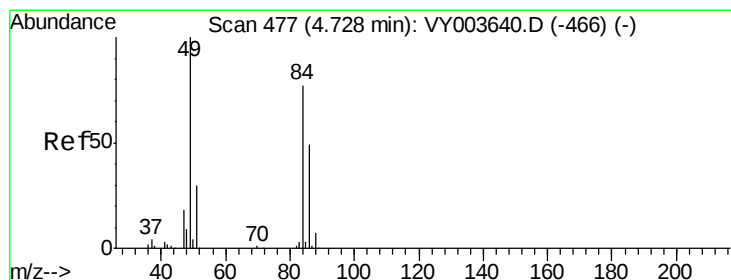
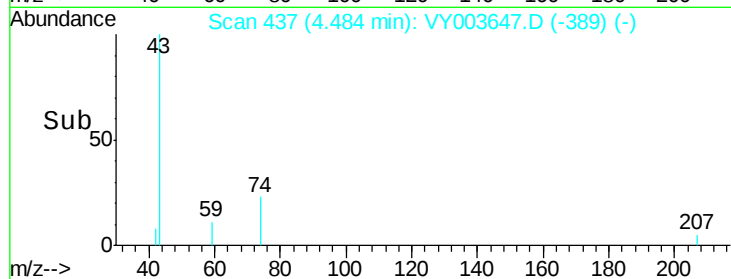
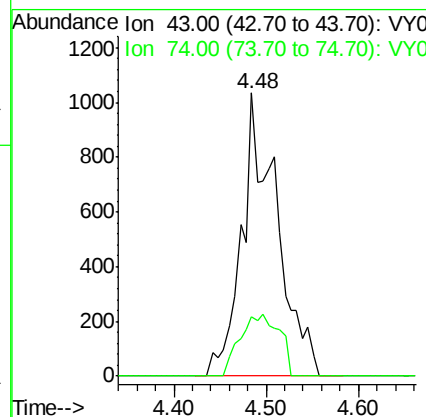
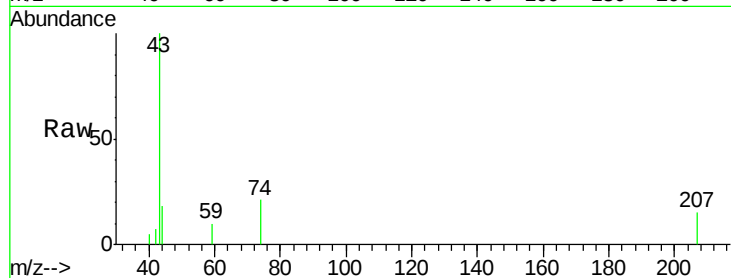
#15
Methyl Acetate
Concen: 1.374 ug/L m
RT: 4.48 min Scan# 437
Delta R.T. -0.01 min
Lab File: VY003647.D
Acq: 02 Dec 2020 13:05

Instrument :
MSVOA_Y
ClientSampled :
MDL03

Tot Ion	43	Resp	2732
Ion Ratio	100	Lower	Upper
74	24.3	18.2	27.2

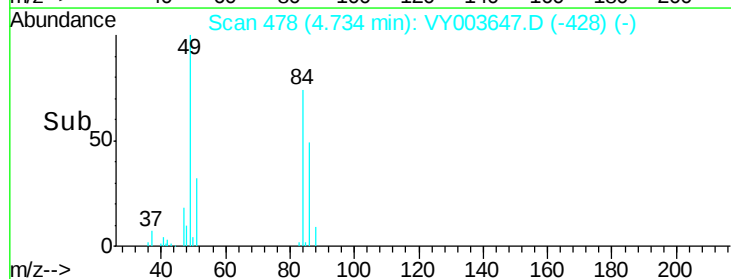
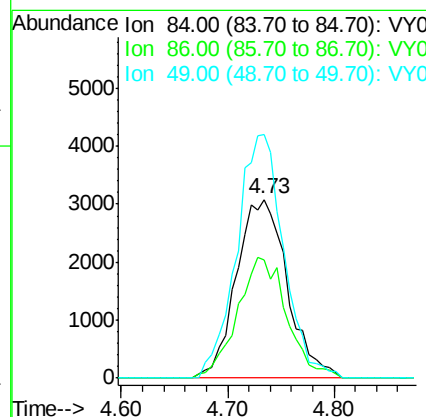
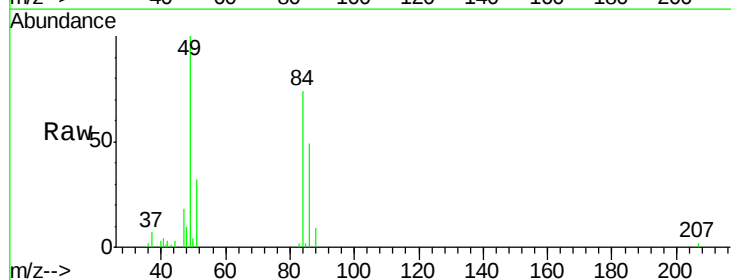
Manual Integrations
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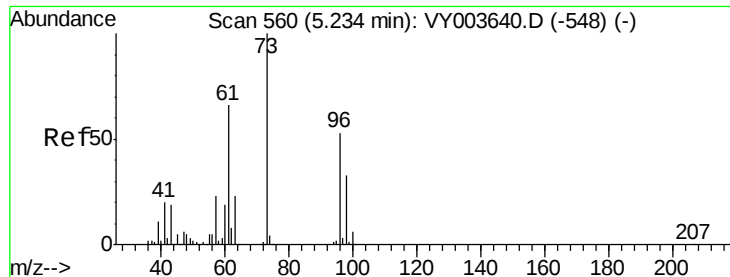
MMDadoda
12/3/2020 2:03:17 PM



#16
Methylene chloride
Concen: 2.972 ug/L
RT: 4.73 min Scan# 478
Delta R.T. 0.01 min
Lab File: VY003647.D
Acq: 02 Dec 2020 13:05

Tgt Ion	84	Resp	10306
Ion Ratio	100	Lower	Upper
86	66.2	43.3	80.3
49	136.1	85.3	158.5





#17

trans-1,2-Dichloroethene

Concen: 1.241 ug/L

RT: 5.23 min Scan# 560

Delta R.T. -0.00 min

Lab File: VY003647.D

Acq: 02 Dec 2020 13:05

Instrument :

MSVOA_Y

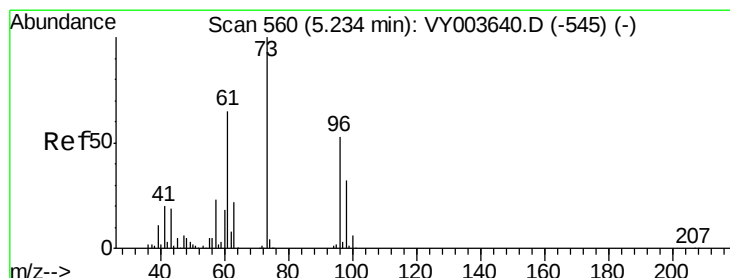
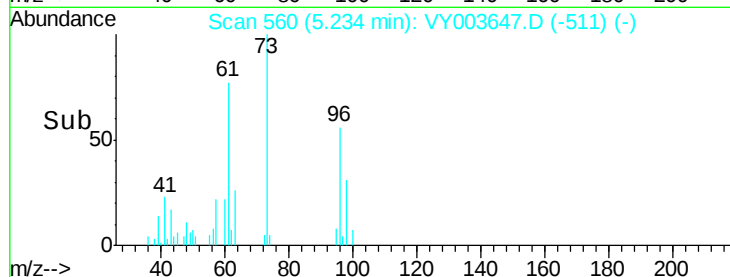
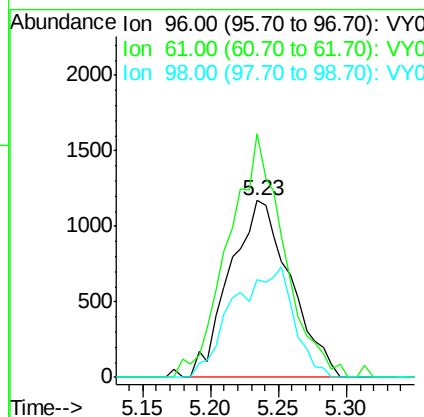
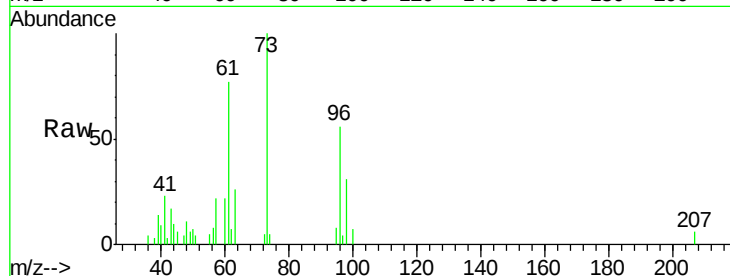
ClientSampled :

MDL03

Tot Ion:	96	Resp:	3640
Ion	Ratio	Lower	Upper
96	100		
61	137.7	89.5	166.1
98	55.4	45.5	84.5

Manual Integrations
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12/3/2020 2:03:17 PM



#18

Methyl tert-butyl Ether

Concen: 1.131 ug/L

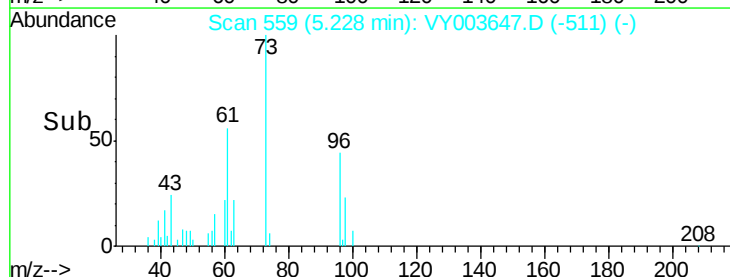
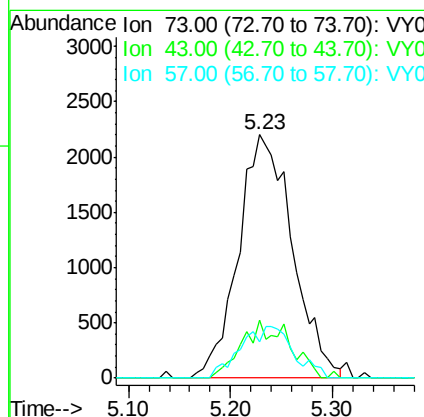
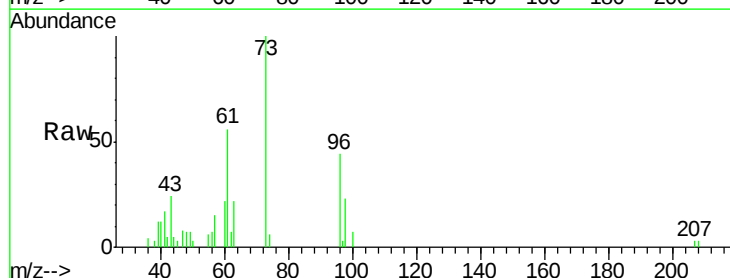
RT: 5.23 min Scan# 559

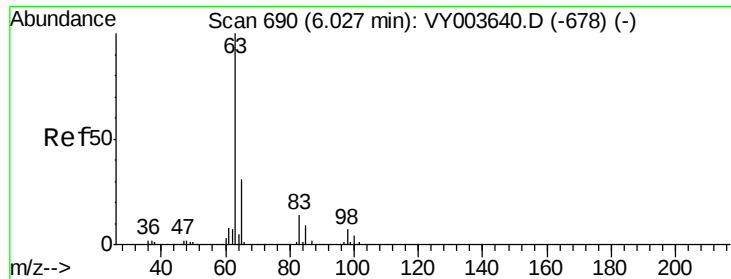
Delta R.T. -0.01 min

Lab File: VY003647.D

Acq: 02 Dec 2020 13:05

Tgt Ion:	73	Resp:	8102
Ion	Ratio	Lower	Upper
73	100		
43	3.1	15.2	22.8#
57	10.5	18.1	27.1#





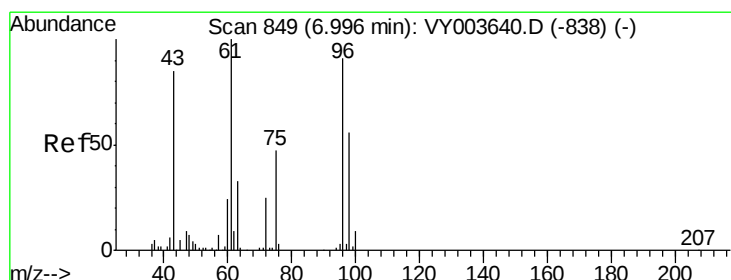
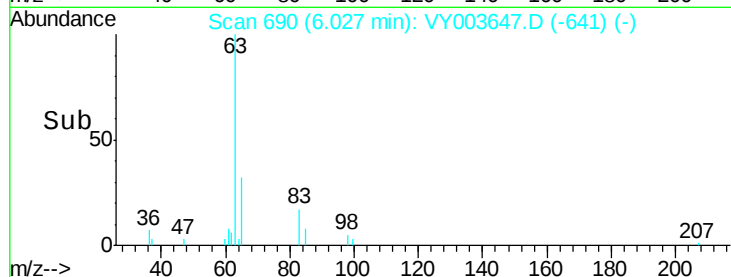
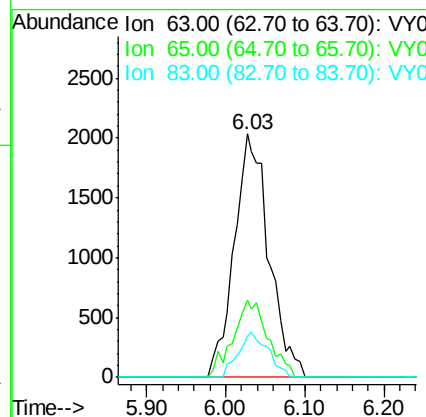
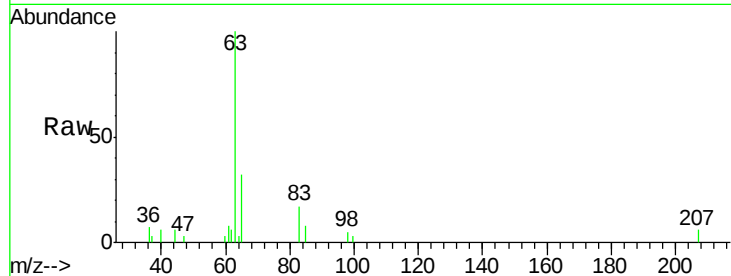
#19
 1,1-Dichloroethane
 Concen: 1.244 ug/L m
 RT: 6.03 min Scan# 690
 Delta R.T. -0.00 min
 Lab File: VY003647.D
 Acq: 02 Dec 2020 13:05

Instrument :
 MSVOA_Y
 ClientSampled :
 MDL03

Tot Ion:	63	Resp:	6139
Ion	Ratio	Lower	Upper
63	100		
65	31.5	21.9	40.7
83	16.9	9.5	17.7

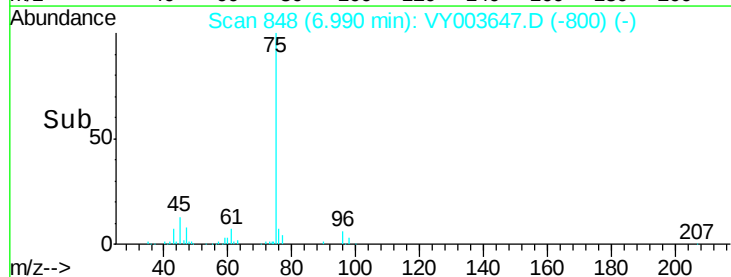
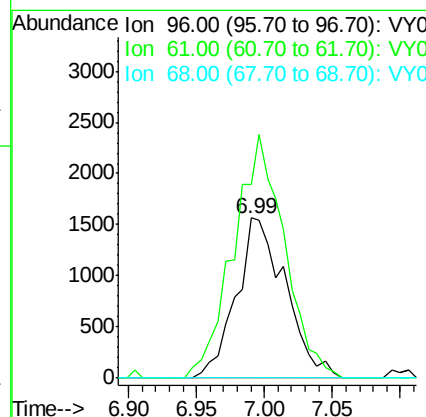
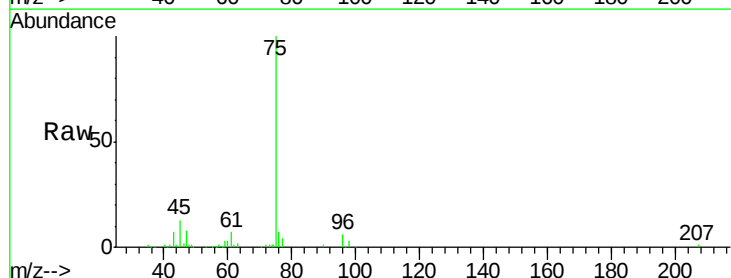
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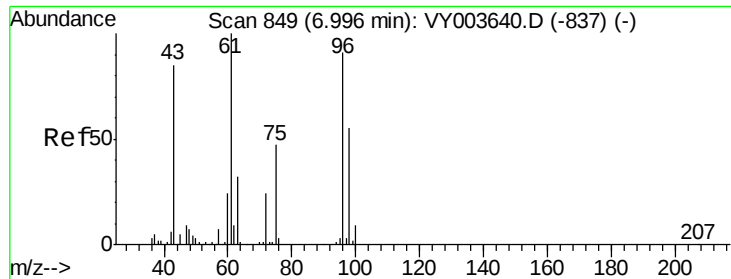
MMDadoda
 12/3/2020 2:03:17 PM



#20
 cis-1,2-Dichloroethene
 Concen: 1.286 ug/L
 RT: 6.99 min Scan# 848
 Delta R.T. -0.01 min
 Lab File: VY003647.D
 Acq: 02 Dec 2020 13:05

Tgt Ion:	96	Resp:	3954
Ion	Ratio	Lower	Upper
96	100		
61	121.3	85.8	159.4
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 3.310 ug/L

RT: 6.99 min Scan# 848

Delta R.T. -0.01 min

Lab File: VY003647.D

Acq: 02 Dec 2020 13:05

Instrument :

MSVOA_Y

ClientSampleId :

MDL03

Tot Ion: 43 Resp: 4595

Ion Ratio Lower Upper

43 100

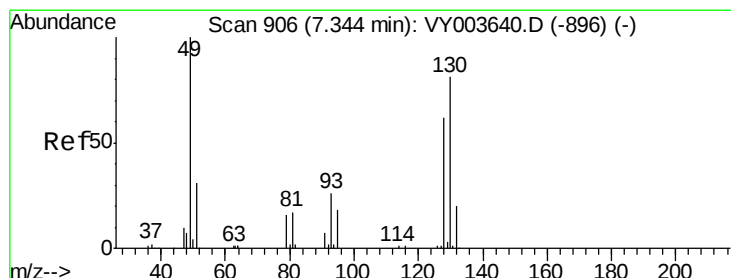
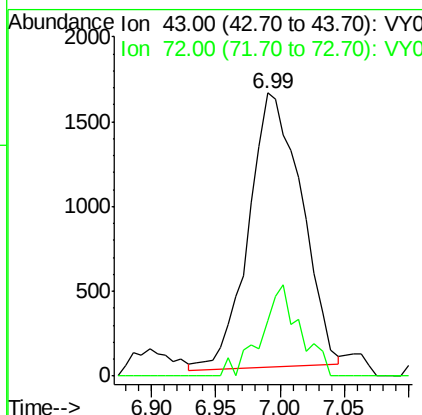
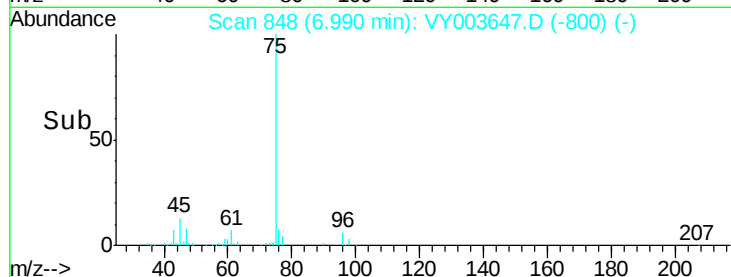
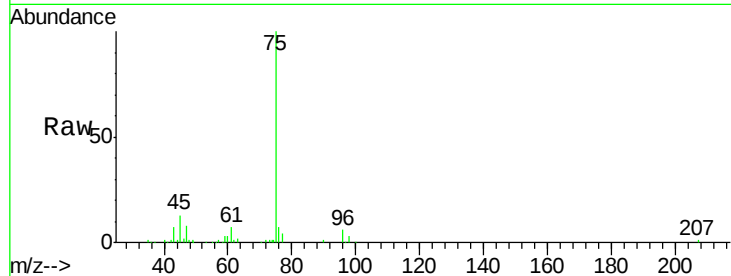
72 4.0 13.5 40.5#

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#23

Bromochloromethane

Concen: 1.274 ug/L

RT: 7.35 min Scan# 907

Delta R.T. 0.01 min

Lab File: VY003647.D

Acq: 02 Dec 2020 13:05

Tgt Ion: 128 Resp: 1910

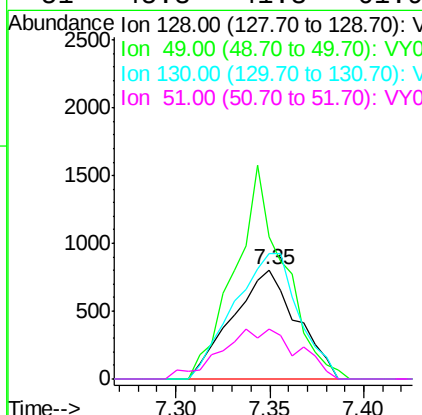
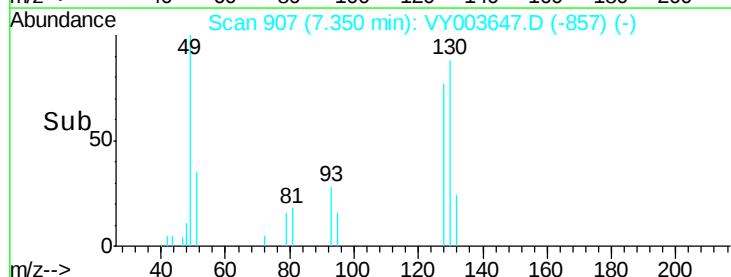
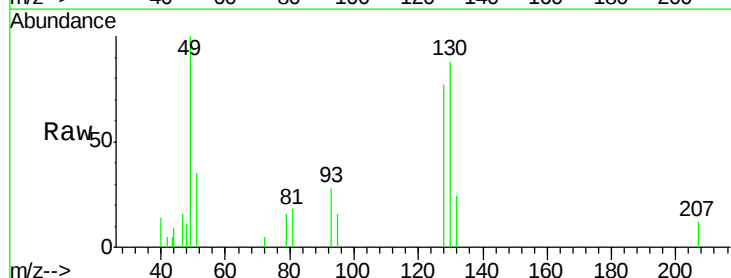
Ion Ratio Lower Upper

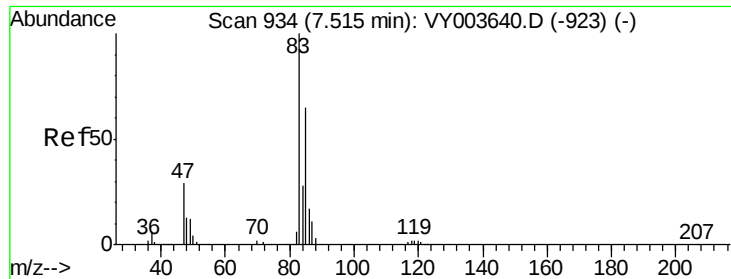
128 100

49 130.3 118.1 219.3

130 114.4 90.5 168.1

51 45.3 41.3 61.9





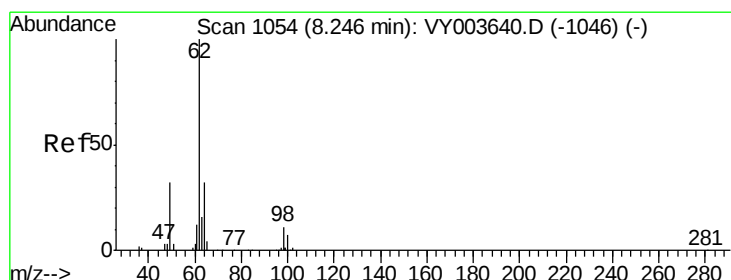
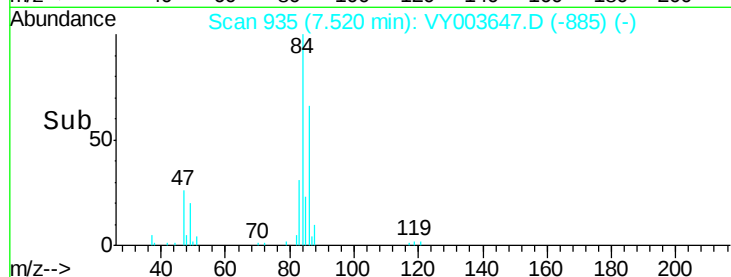
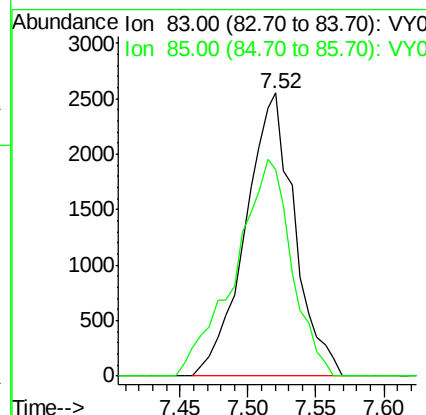
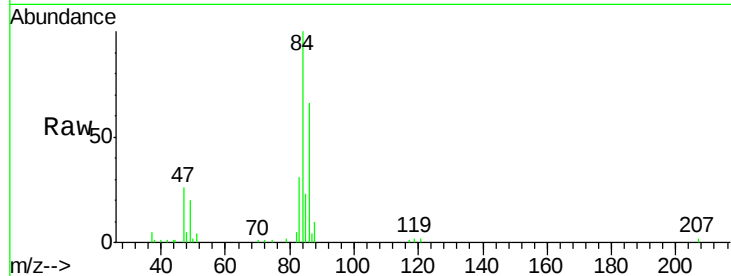
#25
Chloroform
Concen: 1.306 ug/L
RT: 7.52 min Scan# 935
Delta R.T. 0.01 min
Lab File: VY003647.D
Acq: 02 Dec 2020 13:05

Instrument :
MSVOA_Y
ClientSampleId :
MDL03

Tot Ion	83	Resp	6457
Ion Ratio	100	Lower	Upper
85	73.0	44.4	82.4

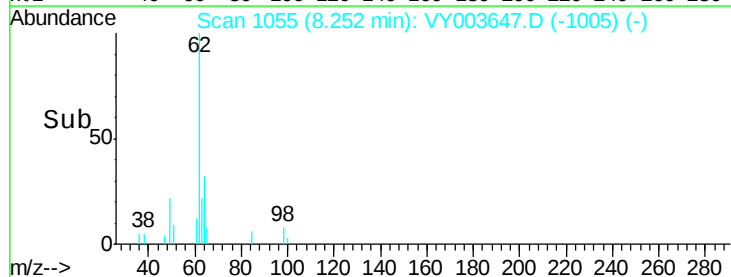
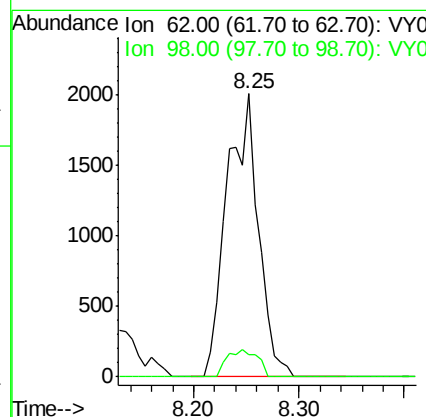
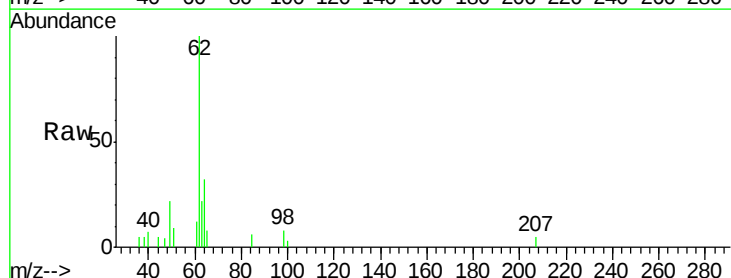
Manual Integrations
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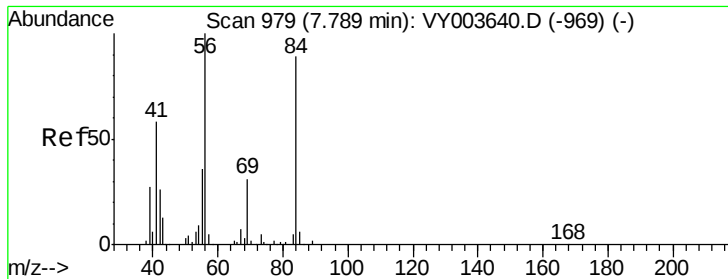
MMDadoda
12/3/2020 2:03:17 PM



#27
1,2-Dichloroethane
Concen: 1.283 ug/L m
RT: 8.25 min Scan# 1055
Delta R.T. 0.01 min
Lab File: VY003647.D
Acq: 02 Dec 2020 13:05

Tgt Ion	62	Resp	4178
Ion Ratio	100	Lower	Upper
98	7.8	7.5	11.3





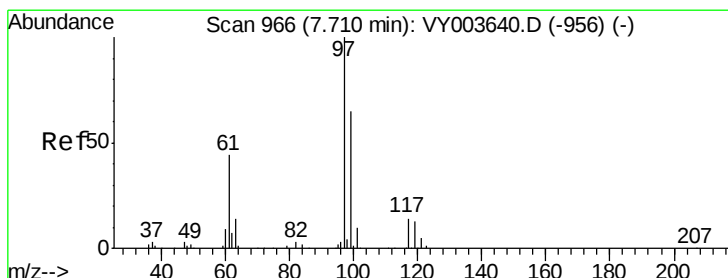
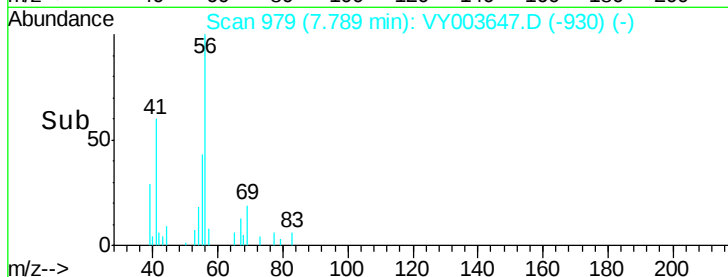
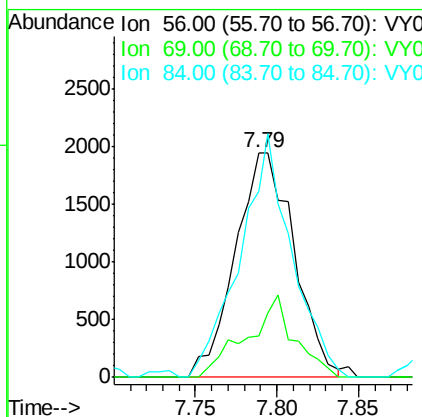
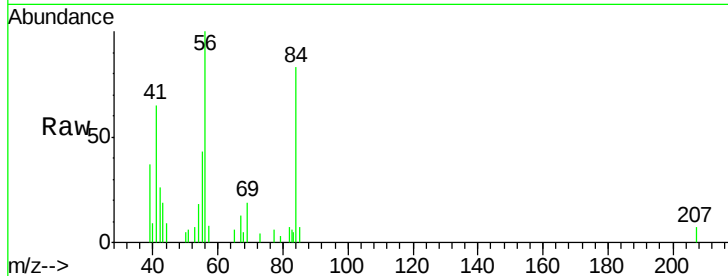
#29
Cyclohexane
Concen: 1.083 ug/L
RT: 7.79 min Scan# 979
Delta R.T. -0.00 min
Lab File: VY003647.D
Acq: 02 Dec 2020 13:05

Instrument :
MSVOA_Y
ClientSampleId :
MDL03

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.6	23.9	35.9
84	95.3	71.9	107.9

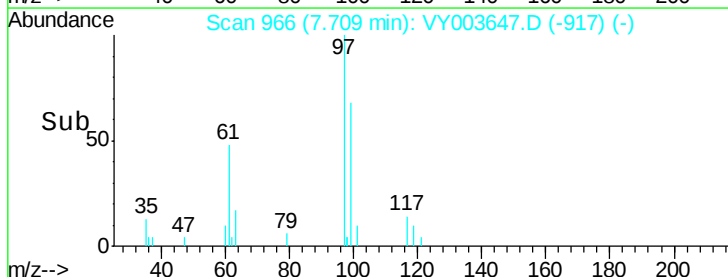
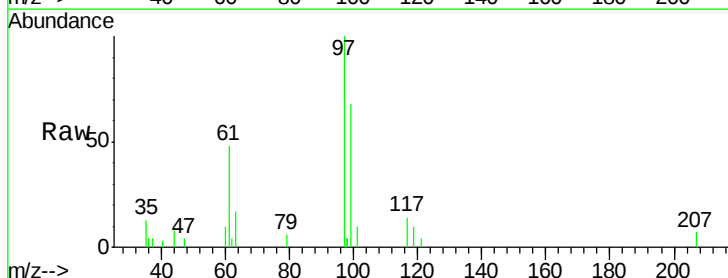
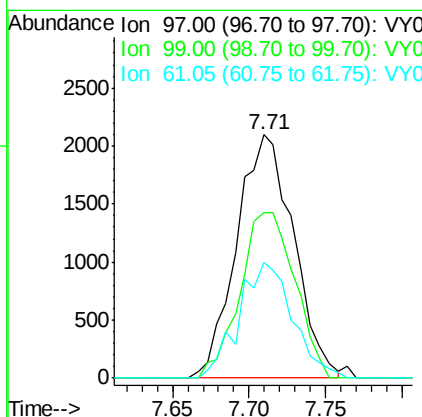
Manual Integrations
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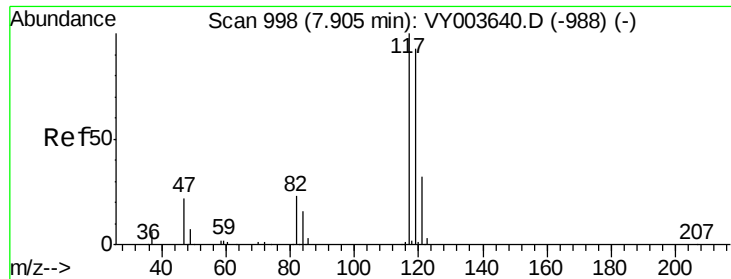
MMDadoda
12/3/2020 2:03:17 PM



#30
1,1,1-Trichloroethane
Concen: 1.258 ug/L
RT: 7.71 min Scan# 966
Delta R.T. -0.00 min
Lab File: VY003647.D
Acq: 02 Dec 2020 13:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.6	50.6	76.0
61	45.1	34.3	51.5





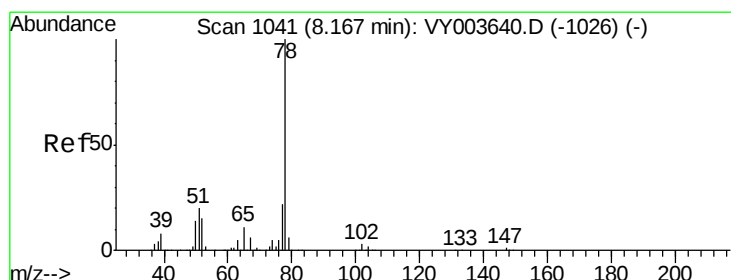
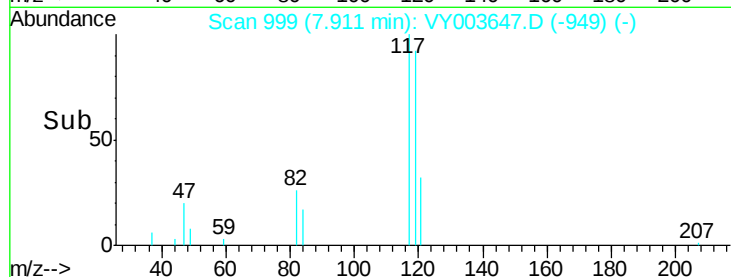
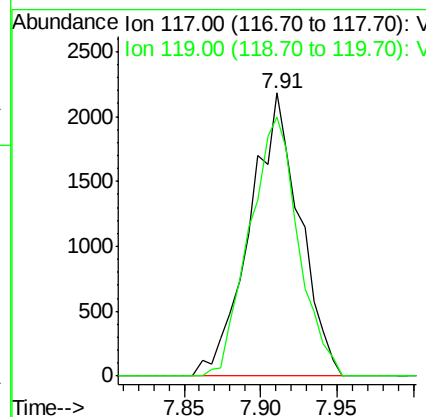
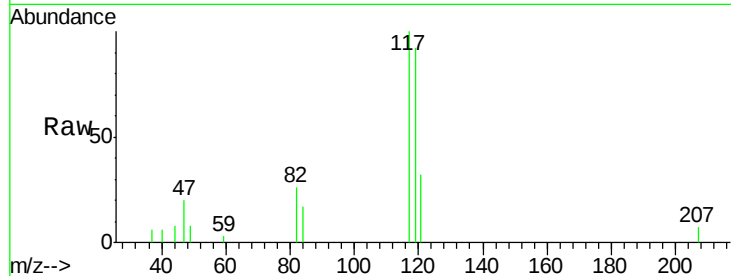
#31
Carbon tetrachloride
Concen: 1.277 ug/L
RT: 7.91 min Scan# 999
Delta R.T. 0.01 min
Lab File: VY003647.D
Acq: 02 Dec 2020 13:05

Instrument :
MSVOA_Y
ClientSampled :
MDL03

Tot Ion:117 Resp: 4971
Ion Ratio Lower Upper
117 100
119 89.4 77.7 116.5

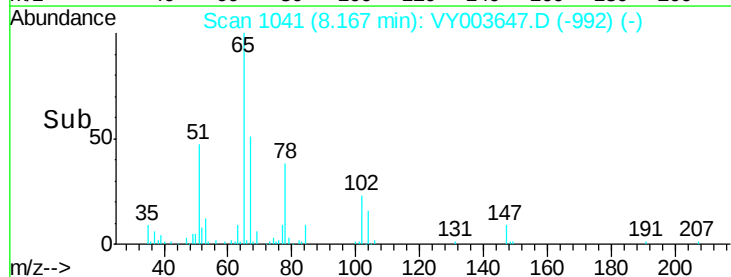
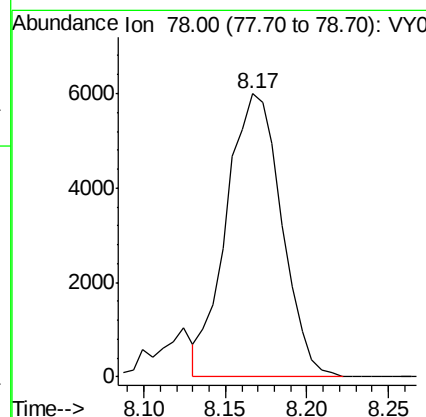
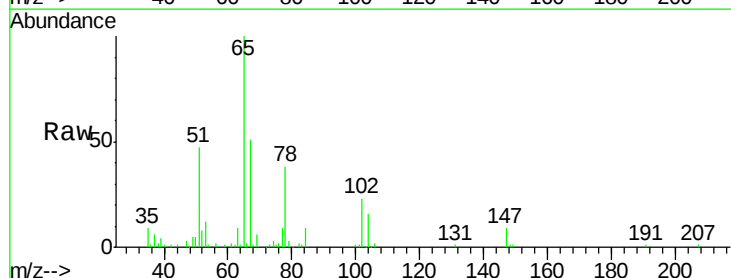
Manual Integrations
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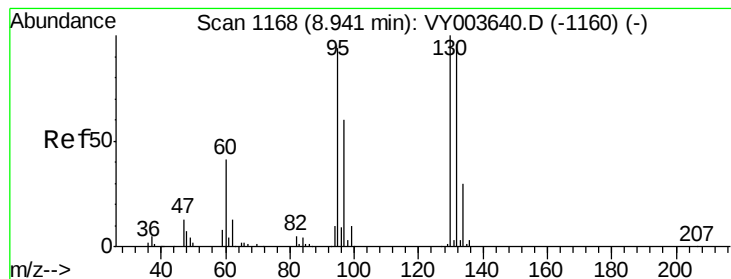
MMDadoda
12/3/2020 2:03:17 PM



#33
Benzene
Concen: 1.221 ug/L
RT: 8.17 min Scan# 1041
Delta R.T. -0.00 min
Lab File: VY003647.D
Acq: 02 Dec 2020 13:05

Tgt Ion: 78 Resp: 14119





#34

Trichloroethene

Concen: 1.228 ug/L

RT: 8.95 min Scan# 1169

Delta R.T. 0.01 min

Lab File: VY003647.D

Acq: 02 Dec 2020 13:05

Instrument :

MSVOA_Y

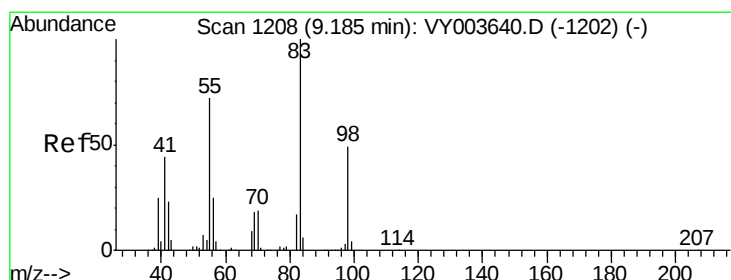
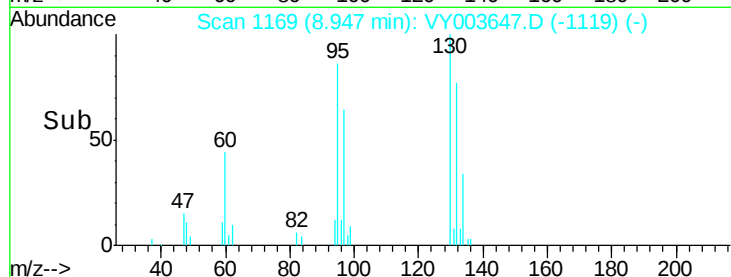
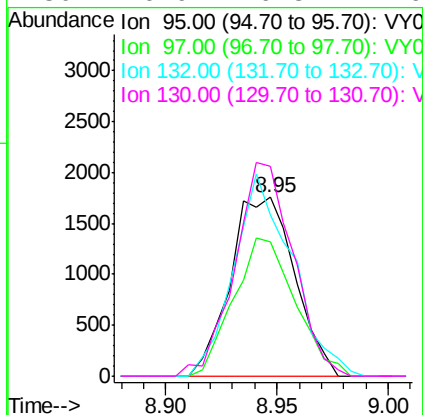
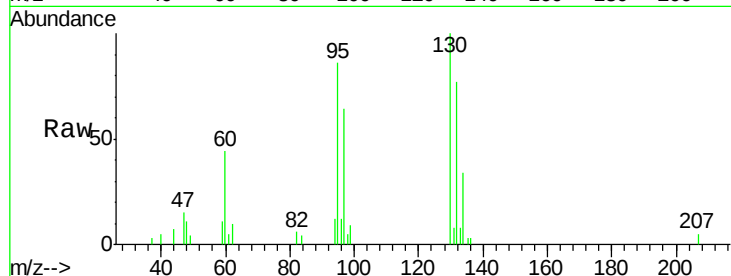
ClientSampleId :

MDL03

Tot Ion:	95	Resp:	3544
Ion	Ratio	Lower	Upper
95	100		
97	75.1	44.7	83.1
132	90.2	74.7	138.7
130	116.9	76.8	142.6

Manual Integrations
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MMDadoda
12/3/2020 2:03:17 PM



#35

Methylcyclohexane

Concen: 1.148 ug/L

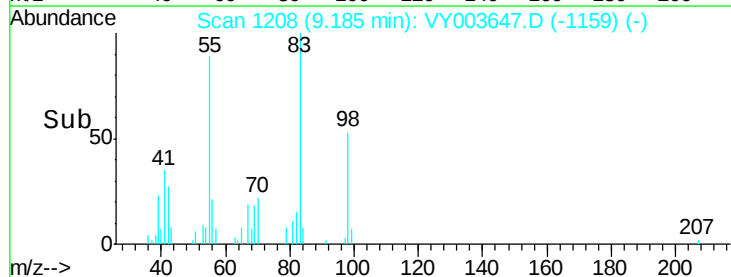
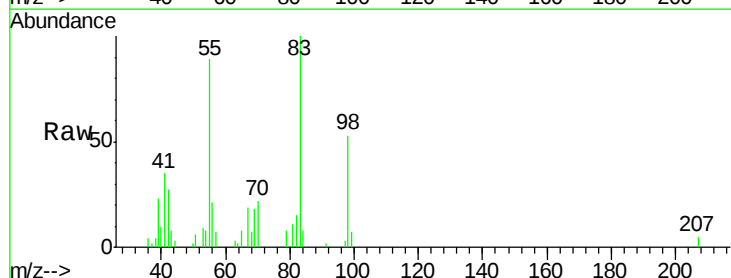
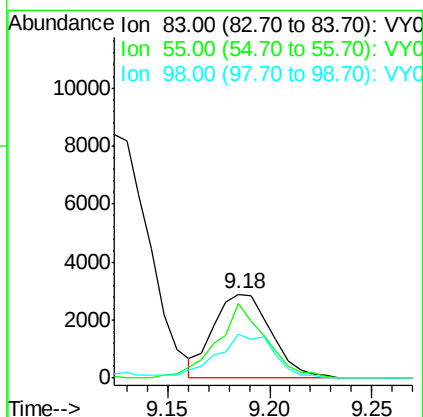
RT: 9.18 min Scan# 1208

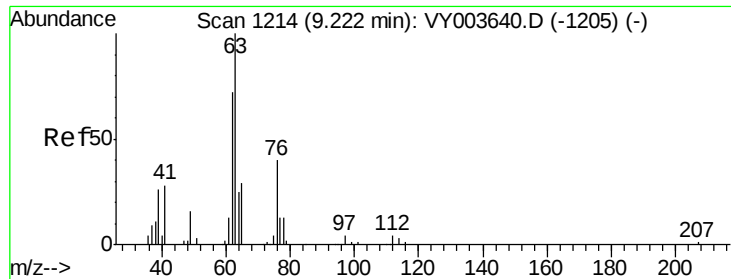
Delta R.T. -0.00 min

Lab File: VY003647.D

Acq: 02 Dec 2020 13:05

Tgt Ion:	83	Resp:	5663
Ion	Ratio	Lower	Upper
83	100		
55	75.8	58.3	87.5
98	52.4	39.0	58.6





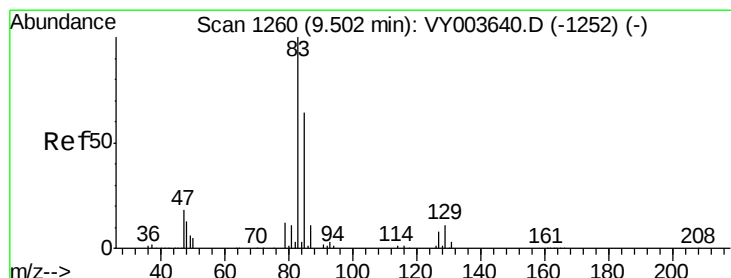
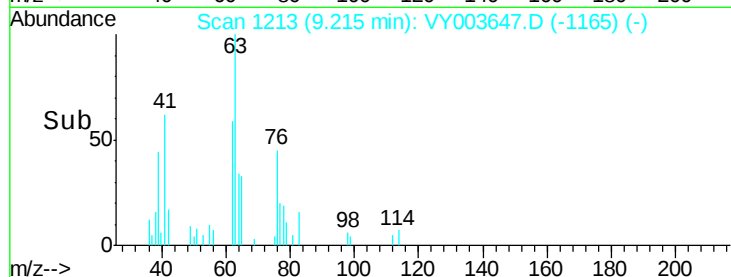
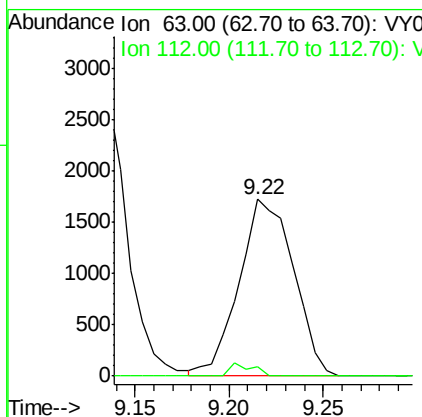
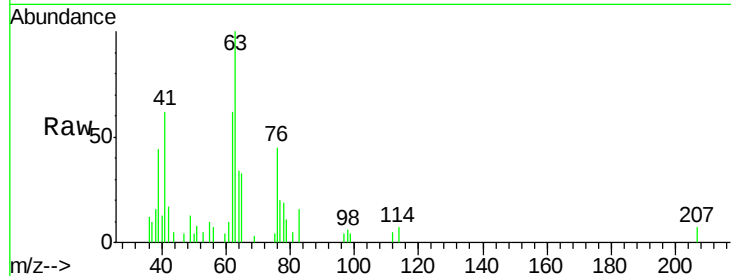
#37
 1,2-Dichloropropane
 Concen: 1.183 ug/L
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.01 min
 Lab File: VY003647.D
 Acq: 02 Dec 2020 13:05

Instrument :
 MSVOA_Y
 ClientSampled :
 MDL03

Tot Ion: 63 Resp: 3471
 Ion Ratio Lower Upper
 63 100
 112 3.0 3.7 5.5#

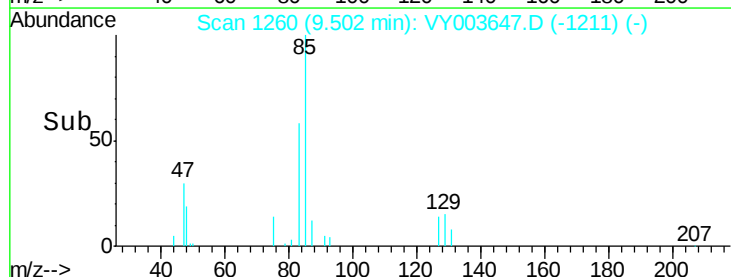
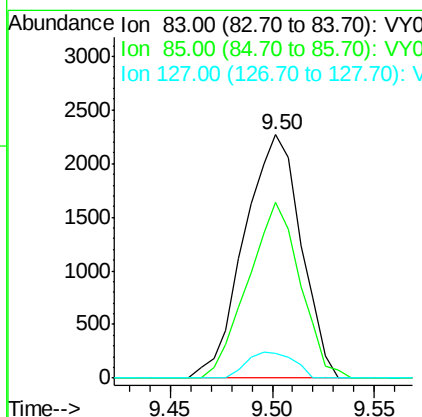
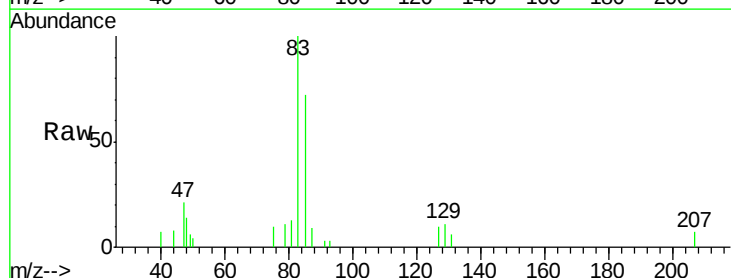
Manual Integrations
 APPROVED

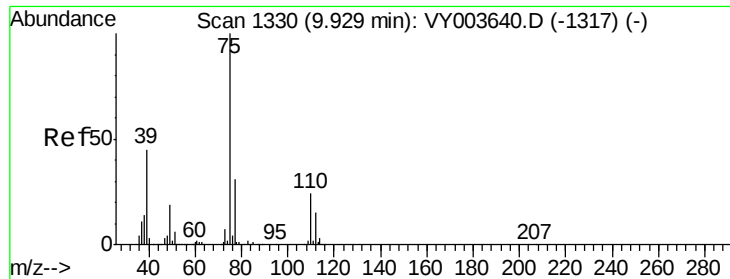
MMDadoda
 12/3/2020 2:03:17 PM



#38
 Bromodichloromethane
 Concen: 1.186 ug/L
 RT: 9.50 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VY003647.D
 Acq: 02 Dec 2020 13:05

Tgt Ion: 83 Resp: 4380
 Ion Ratio Lower Upper
 83 100
 85 72.2 43.1 80.1
 127 10.4 7.1 10.7





#39

cis-1,3-Dichloropropene

Concen: 1.101 ug/L

RT: 9.93 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VY003647.D

Acq: 02 Dec 2020 13:05

Instrument :

MSVOA_Y

ClientSampleId :

MDL03

Tot Ion: 75 Resp: 4993

Ion Ratio Lower Upper

75 100

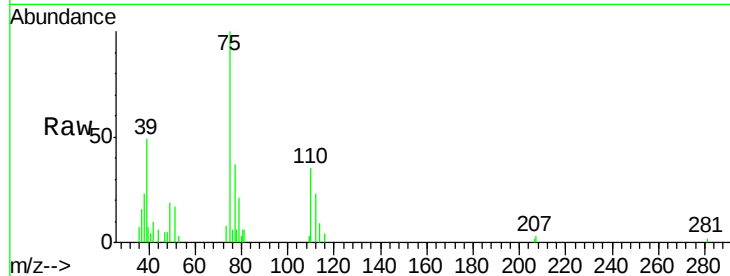
77 37.0 23.5 43.7

Manual Integrations

APPROVED

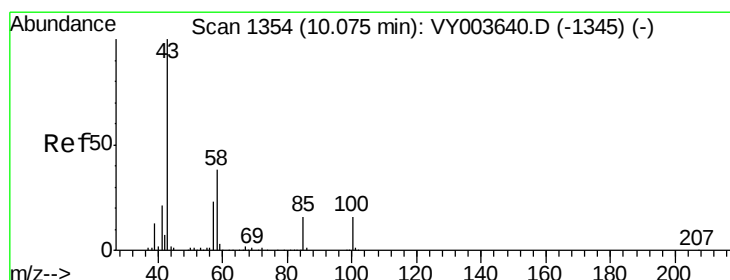
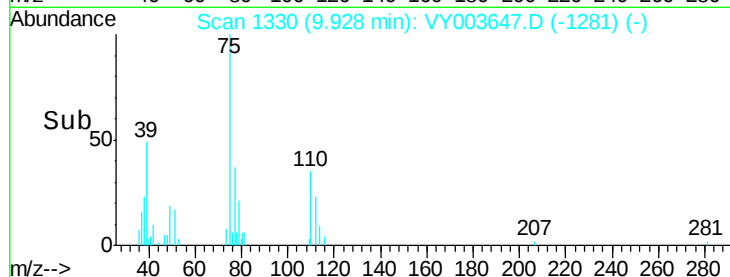
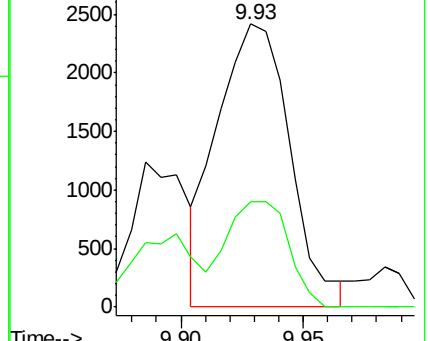
MMDadoda

12/3/2020 2:03:17 PM



Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 77.00 (76.70 to 77.70): VY0



#40

4-Methyl-2-pentanone

Concen: 2.686 ug/L

RT: 10.07 min Scan# 1354

Delta R.T. -0.00 min

Lab File: VY003647.D

Acq: 02 Dec 2020 13:05

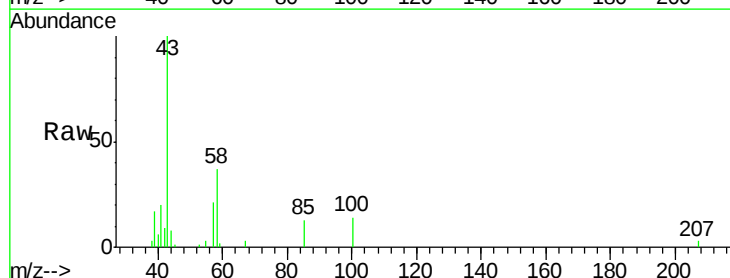
Tgt Ion: 43 Resp: 6921

Ion Ratio Lower Upper

43 100

58 39.4 30.7 46.1

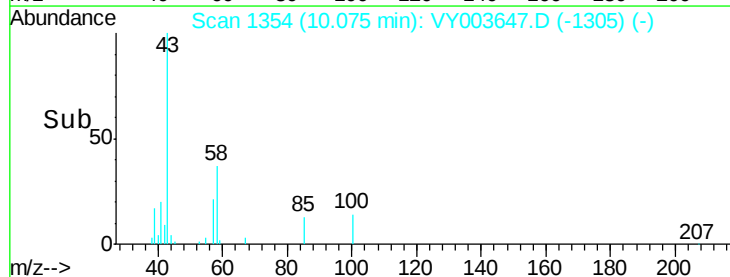
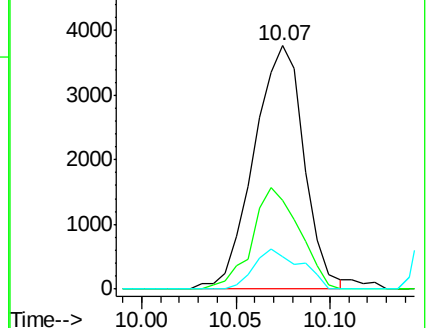
100 15.4 12.1 18.1

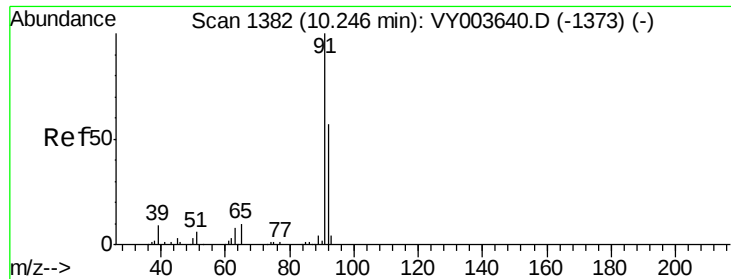


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

Ion 100.00 (99.70 to 100.70): VY0





#42

Toluene

Concen: 1.239 ug/L

RT: 10.25 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VY003647.D

Acq: 02 Dec 2020 13:05

Instrument :

MSVOA_Y

ClientSampled :

MDL03

Tot Ion: 91 Resp: 15043

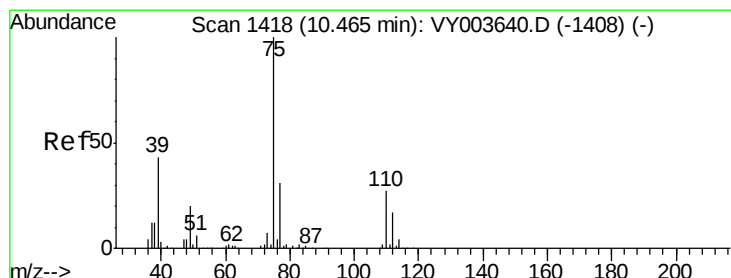
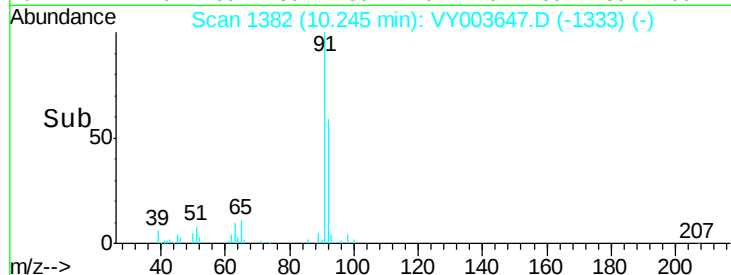
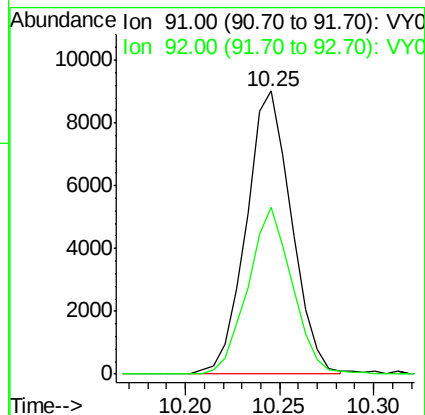
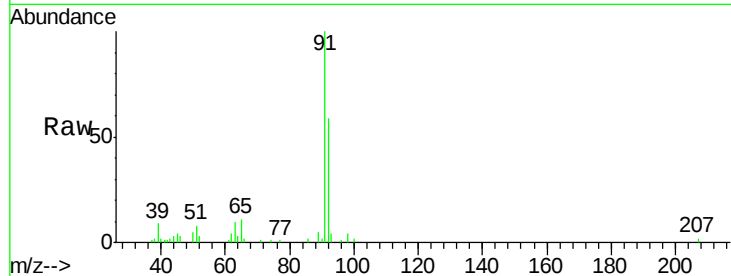
Ion Ratio Lower Upper

91 100

92 59.0 40.1 74.5

Manual Integrations
APPROVED

MMDadoda
12/3/2020 2:03:17 PM



#44

trans-1,3-Dichloropropene

Concen: 1.513 ug/L

RT: 10.46 min Scan# 1418

Delta R.T. -0.00 min

Lab File: VY003647.D

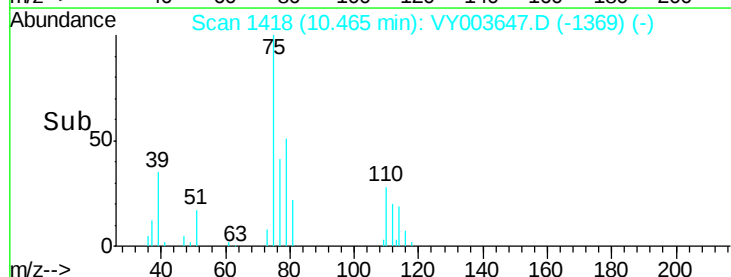
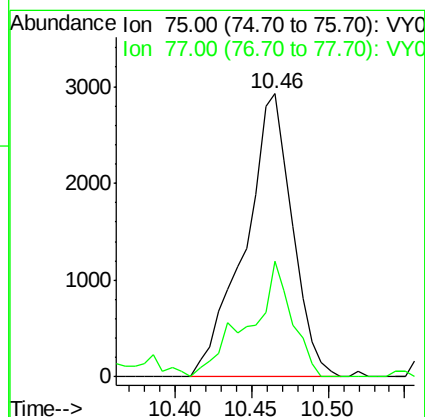
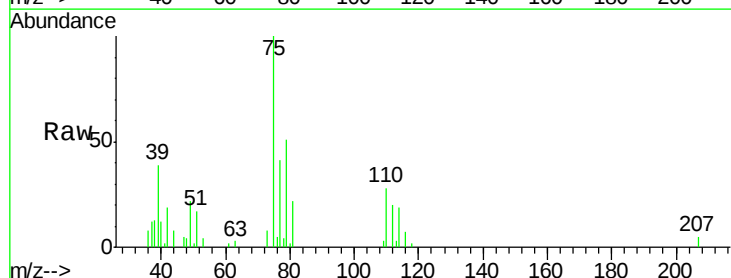
Acq: 02 Dec 2020 13:05

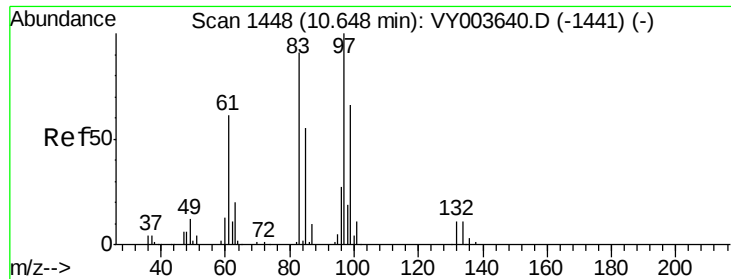
Tgt Ion: 75 Resp: 6330

Ion Ratio Lower Upper

75 100

77 41.0 22.9 42.5





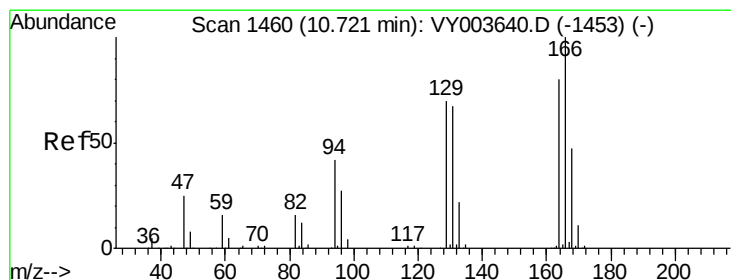
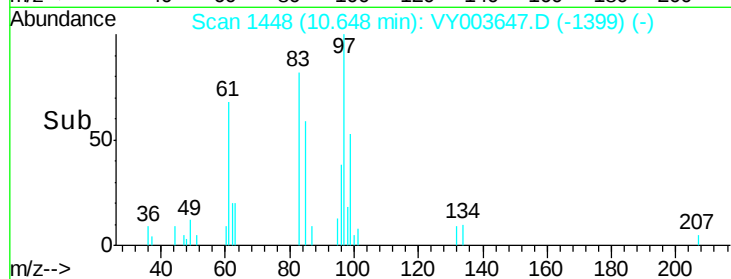
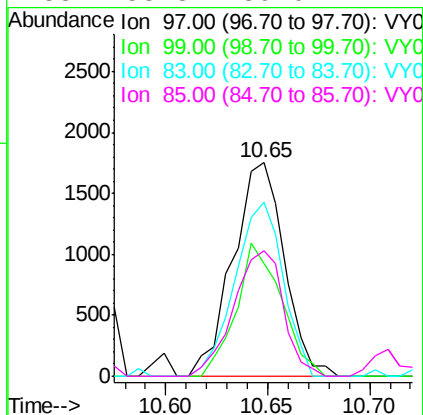
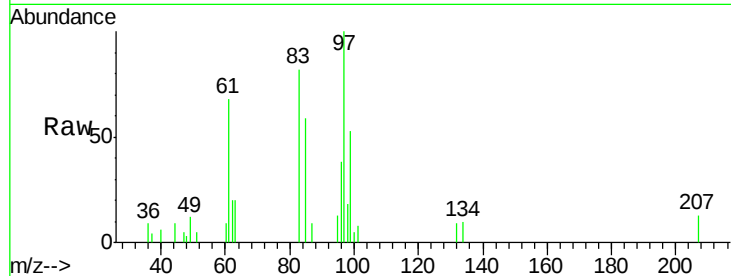
#45
1,1,2-Trichloroethane
Concen: 1.246 ug/L
RT: 10.65 min Scan# 1448
Delta R.T. -0.00 min
Lab File: VY003647.D
Acq: 02 Dec 2020 13:05

Instrument :
MSVOA_Y
ClientSampled :
MDL03

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		3070		
99	52.6	45.1	83.9		
83	81.8	59.7	110.9		
85	58.8	39.0	72.4		

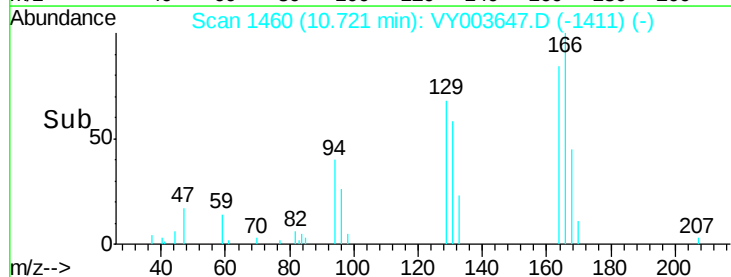
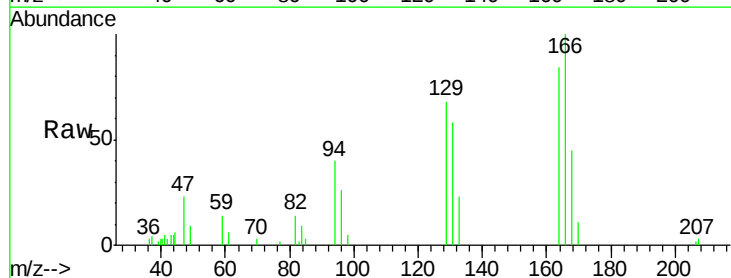
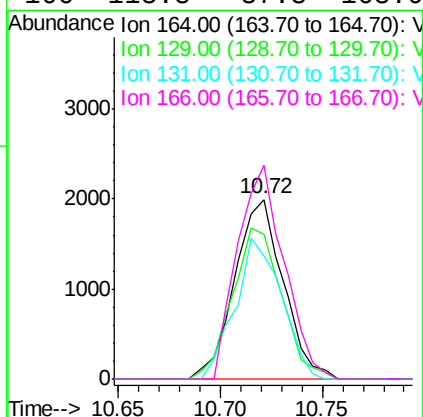
Manual Integrations
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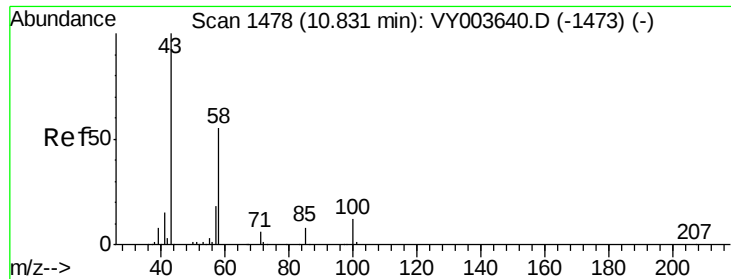
MMDadoda
12/3/2020 2:03:17 PM



#46
Tetrachloroethene
Concen: 1.332 ug/L
RT: 10.72 min Scan# 1460
Delta R.T. -0.00 min
Lab File: VY003647.D
Acq: 02 Dec 2020 13:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
164	100		3289		
129	80.8	58.9	109.5		
131	68.6	59.0	109.6		
166	118.8	87.8	163.0		





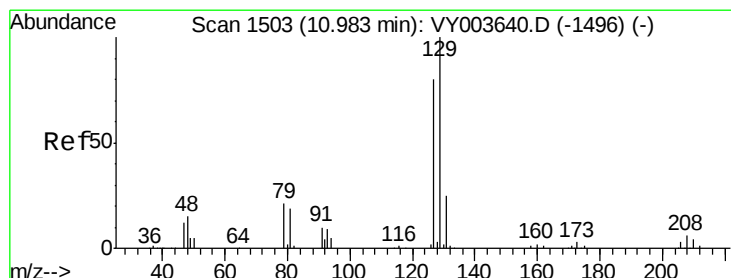
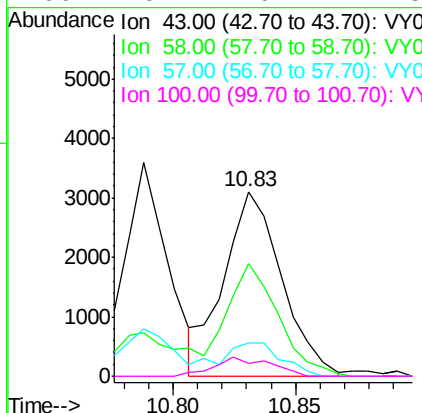
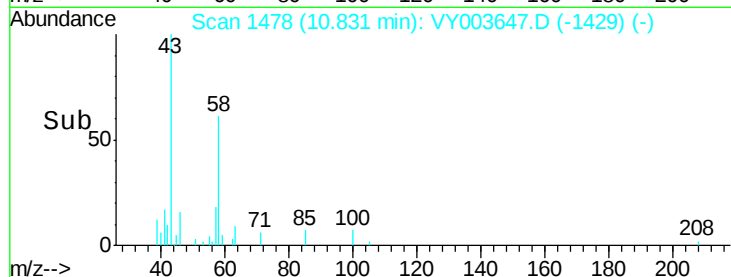
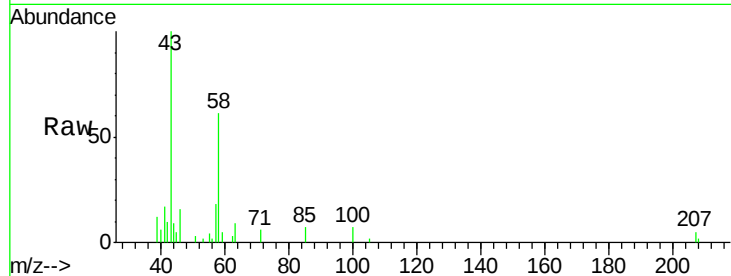
#48
2-Hexanone
Concen: 2.711 ug/L
RT: 10.83 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VY003647.D
Acq: 02 Dec 2020 13:05

Instrument :
MSVOA_Y
ClientSampleId :
MDL03

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.0	43.0	64.6
57	15.6	14.6	21.8
100	6.2	9.7	14.5

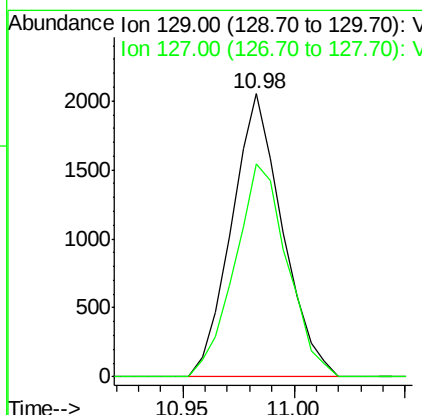
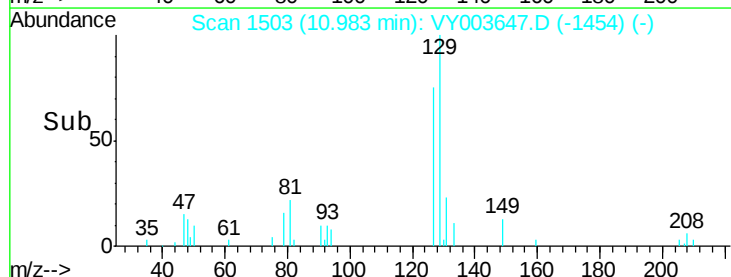
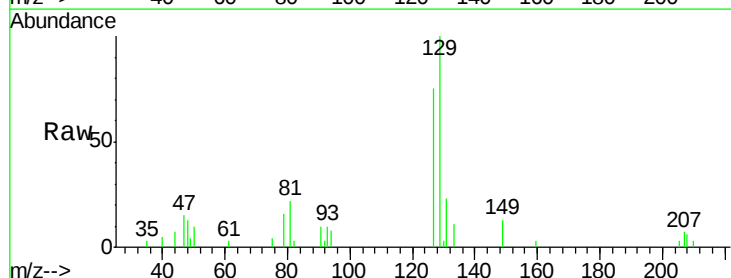
Manual Integrations
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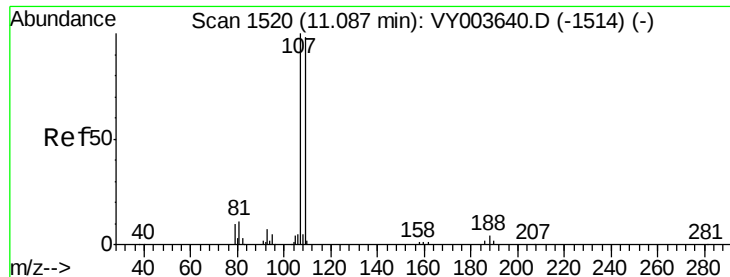
MMDadoda
12/3/2020 2:03:17 PM



#49
Dibromochloromethane
Concen: 1.143 ug/L
RT: 10.98 min Scan# 1503
Delta R.T. -0.00 min
Lab File: VY003647.D
Acq: 02 Dec 2020 13:05

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.1	55.0	102.2





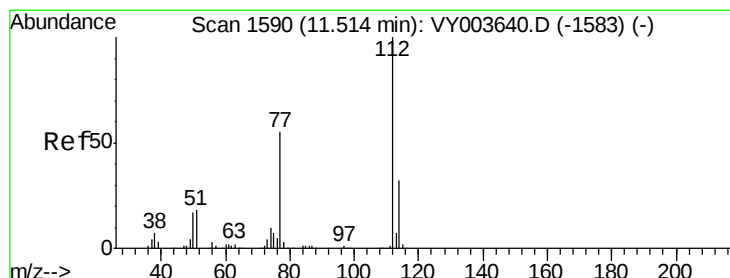
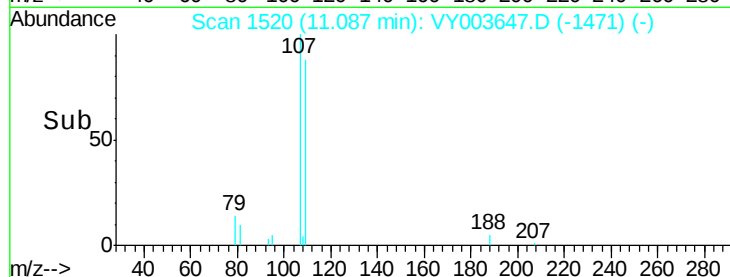
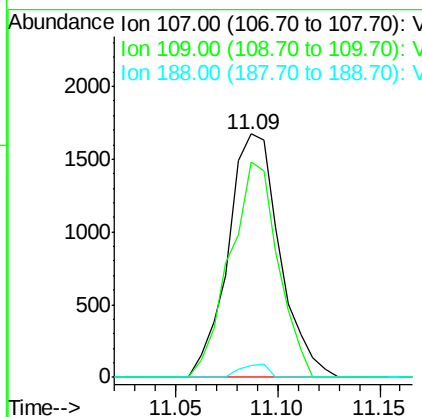
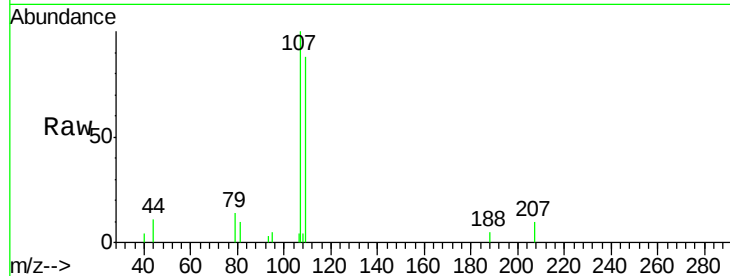
#50
1,2-Dibromoethane
Concen: 1.236 ug/L
RT: 11.09 min Scan# 1520
Delta R.T. -0.00 min
Lab File: VY003647.D
Acq: 02 Dec 2020 13:05

Instrument :
MSVOA_Y
ClientSampled :
MDL03

Tot Ion	Ratio	Lower	Upper
107	100		
109	88.4	65.5	121.7
188	5.0	3.8	5.8

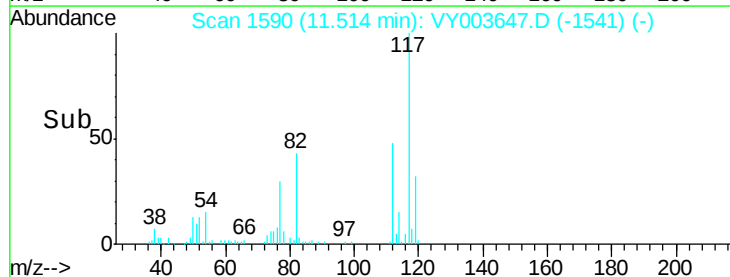
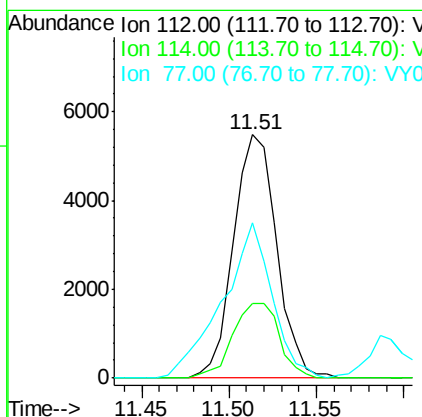
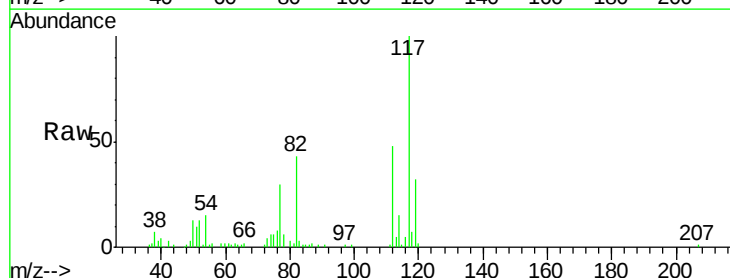
Manual Integrations
APPROVED

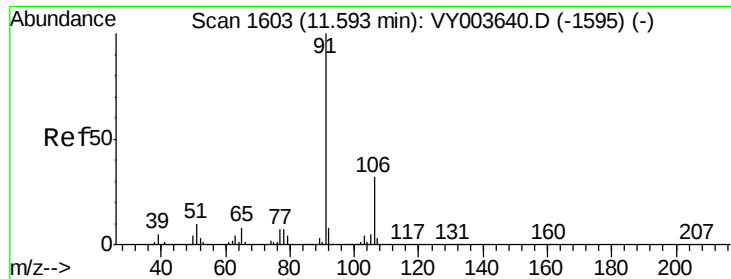
MMDadoda
12/3/2020 2:03:17 PM



#51
Chlorobenzene
Concen: 1.205 ug/L
RT: 11.51 min Scan# 1590
Delta R.T. -0.00 min
Lab File: VY003647.D
Acq: 02 Dec 2020 13:05

Tgt Ion	Ratio	Lower	Upper
112	100		
114	30.6	22.2	41.2
77	63.7	43.8	65.6





#52

Ethylbenzene

Concen: 1.119 ug/L

RT: 11.59 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VY003647.D

Acq: 02 Dec 2020 13:05

Instrument :

MSVOA_Y

ClientSampled :

MDL03

Tot Ion: 91 Resp: 14539

Ion Ratio Lower Upper

91 100

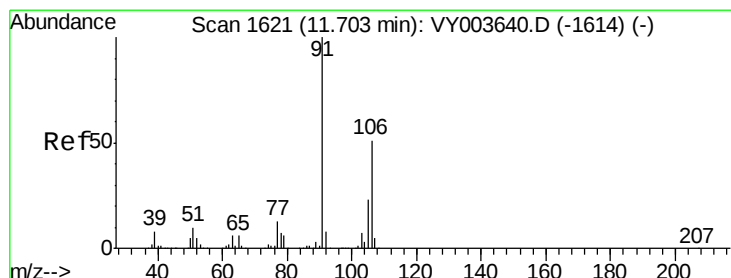
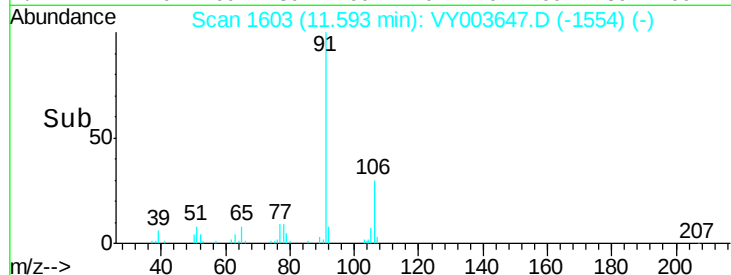
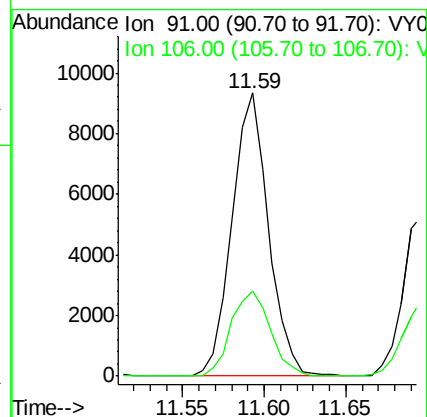
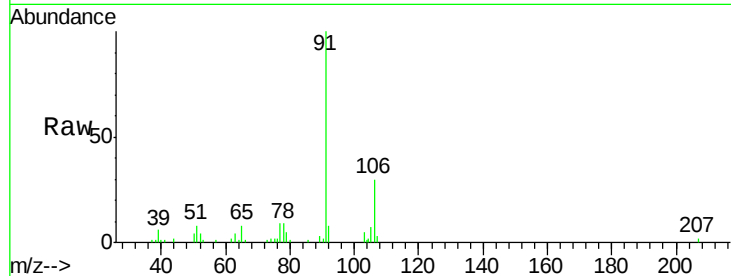
106 30.2 22.8 42.4

Manual Integrations

APPROVED

MMDadoda

12/3/2020 2:03:17 PM



#53

m,p-Xylene

Concen: 1.149 ug/L

RT: 11.70 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VY003647.D

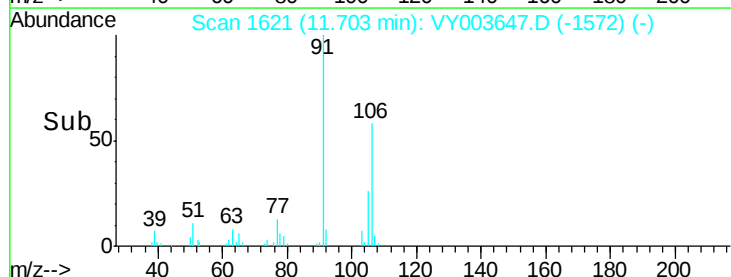
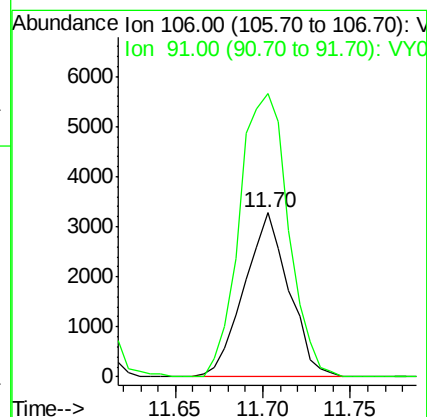
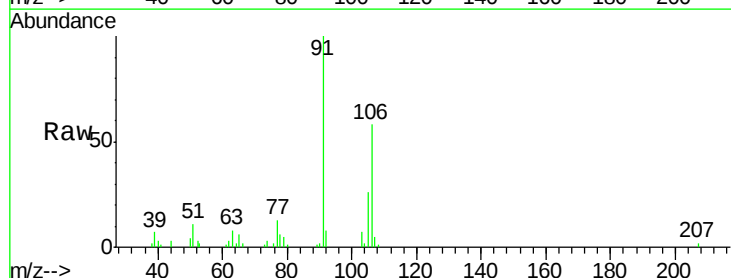
Acq: 02 Dec 2020 13:05

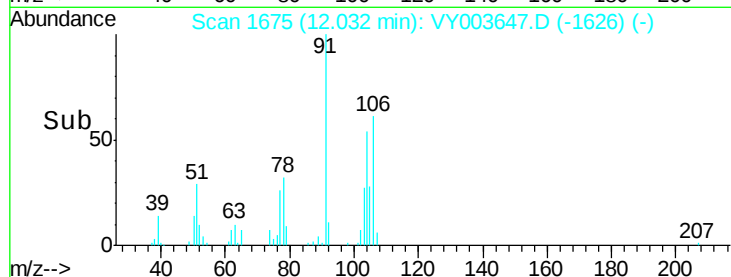
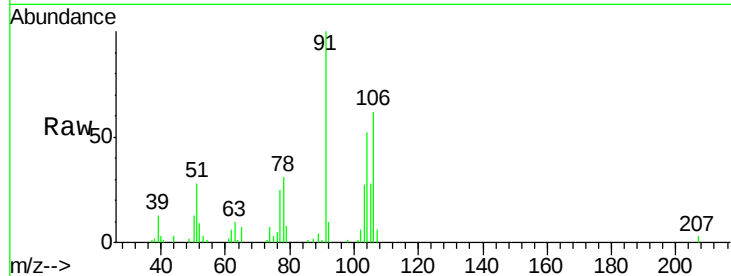
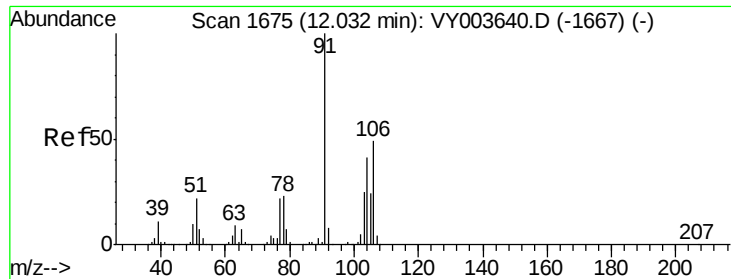
Tgt Ion: 106 Resp: 5838

Ion Ratio Lower Upper

106 100

91 172.6 133.1 247.3





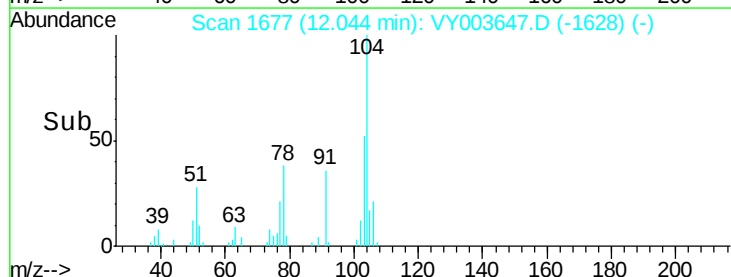
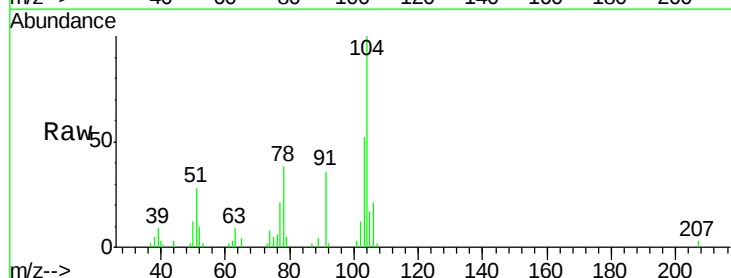
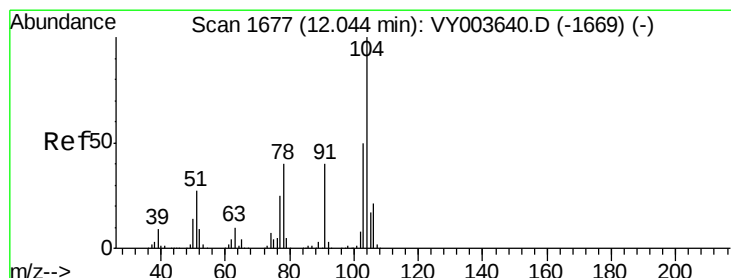
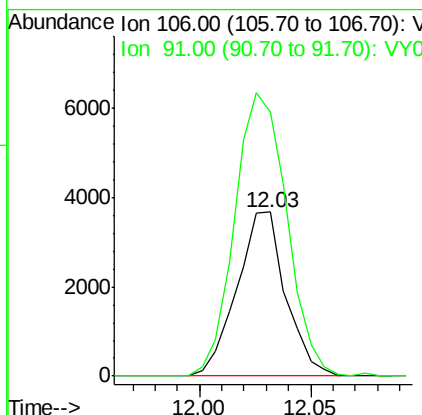
#54
o-Xylene
Concen: 1.169 ug/L
RT: 12.03 min Scan# 1675
Delta R.T. -0.00 min
Lab File: VY003647.D
Acq: 02 Dec 2020 13:05

Tot Ion: 106 Resp: 5612
Ion Ratio Lower Upper
106 100
91 161.1 144.1 267.5

Instrument :
MSVOA_Y
ClientSampled :
MDL03

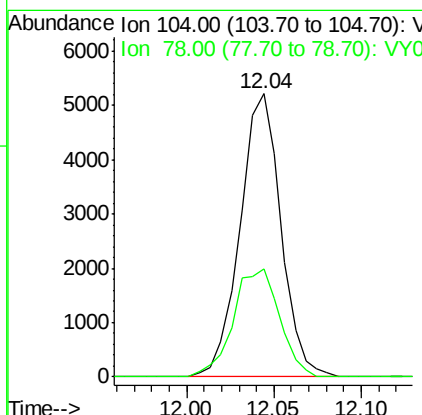
Manual Integrations
APPROVED

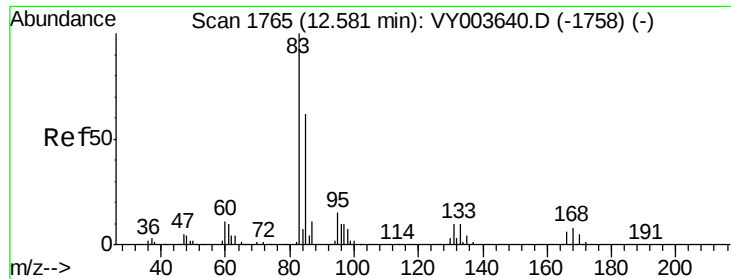
MMDadoda
12/3/2020 2:03:17 PM



#55
Styrene
Concen: 1.032 ug/L
RT: 12.04 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VY003647.D
Acq: 02 Dec 2020 13:05

Tgt Ion: 104 Resp: 8475
Ion Ratio Lower Upper
104 100
78 38.3 27.6 51.4





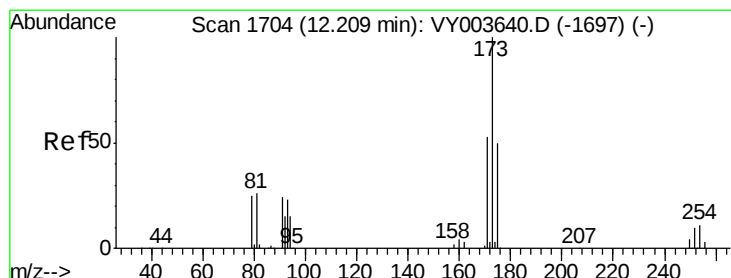
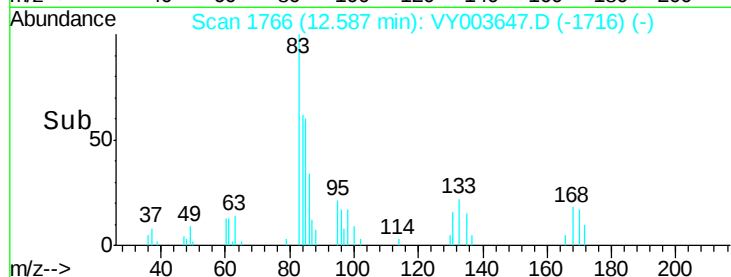
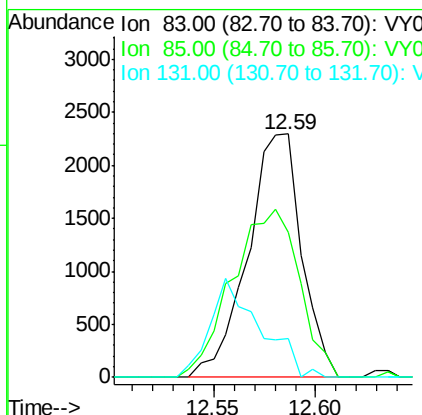
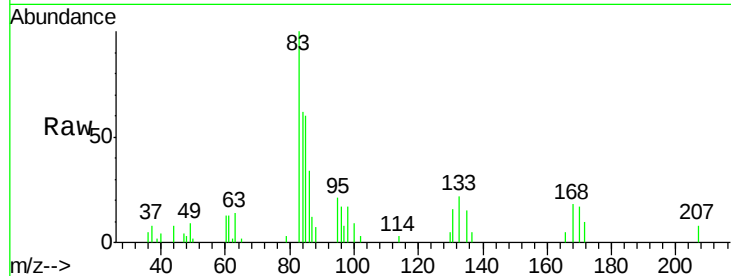
#57
 1,1,2,2-Tetrachloroethane
 Concen: 1.293 ug/L
 RT: 12.59 min Scan# 1766
 Delta R.T. 0.01 min
 Lab File: VY003647.D
 Acq: 02 Dec 2020 13:05

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL03

Tot Ion	83	Resp	4222
Ion Ratio	100	Lower	Upper
83	100		
85	59.6	46.1	85.7
131	15.8	8.1	12.1#

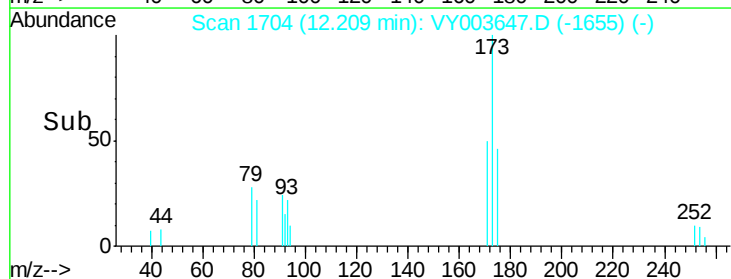
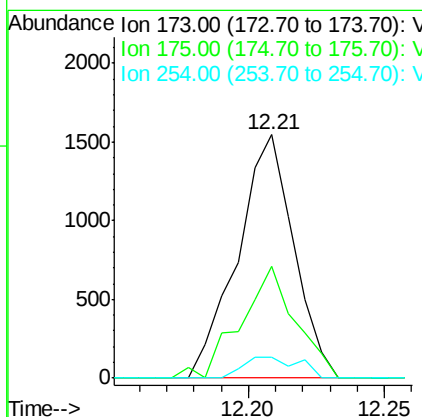
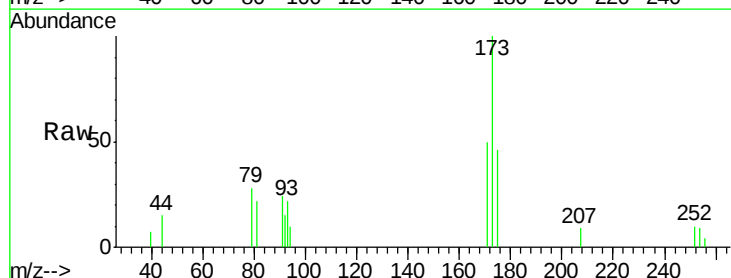
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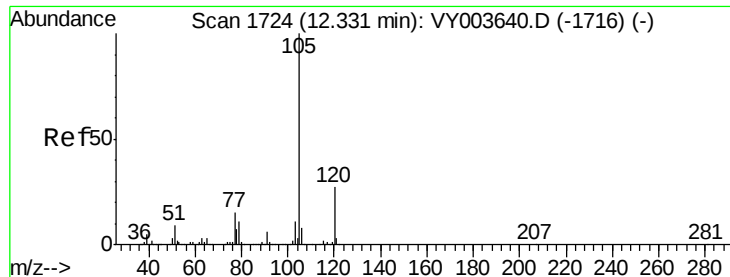
MMDadoda
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#59
 Bromoform
 Concen: 1.245 ug/L
 RT: 12.21 min Scan# 1704
 Delta R.T. -0.00 min
 Lab File: VY003647.D
 Acq: 02 Dec 2020 13:05

Tgt Ion	173	Resp	2210
Ion Ratio	100	Lower	Upper
173	100		
175	43.9	38.2	57.4
254	8.6	8.0	12.0





#60

Isopropylbenzene

Concen: 1.120 ug/L

RT: 12.33 min Scan# 1724

Delta R.T. -0.00 min

Lab File: VY003647.D

Acq: 02 Dec 2020 13:05

Instrument :

MSVOA_Y

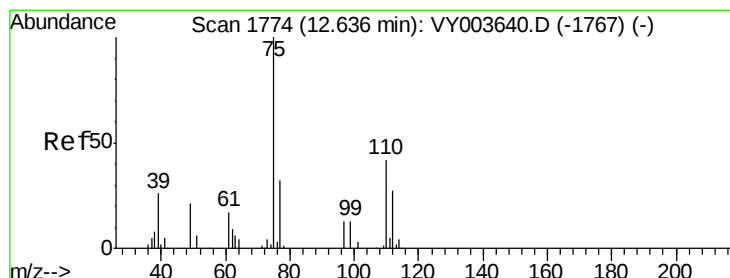
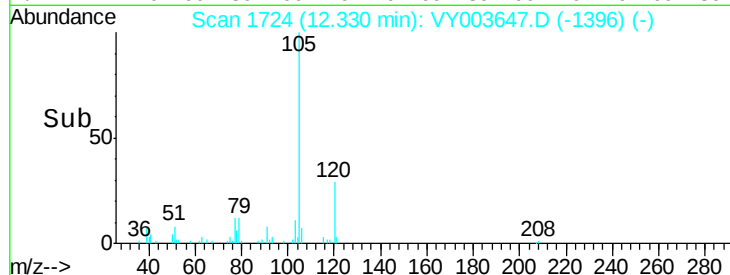
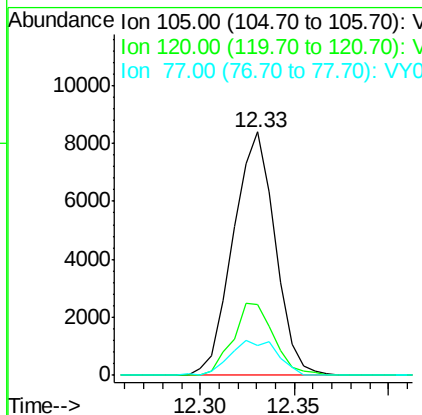
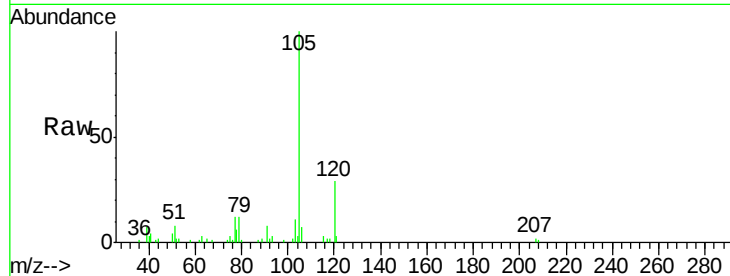
ClientSampleId :

MDL03

Tot Ion:	105	Resp:	12945
Ion Ratio	Lower	Upper	
105	100		
120	28.6	22.0	33.0
77	16.2	12.1	18.1

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#61

1,2,3-Trichloropropane

Concen: 1.380 ug/L

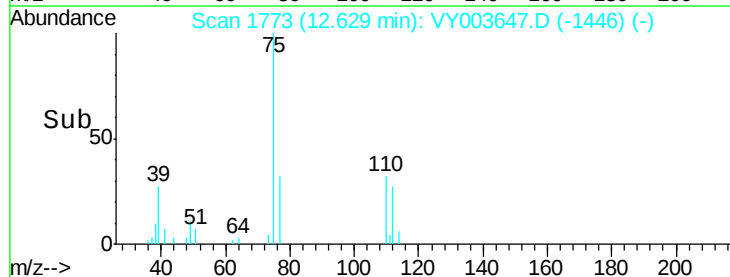
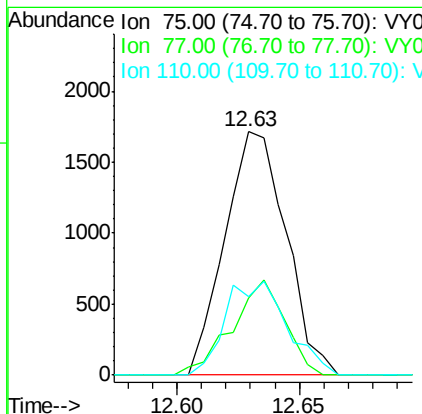
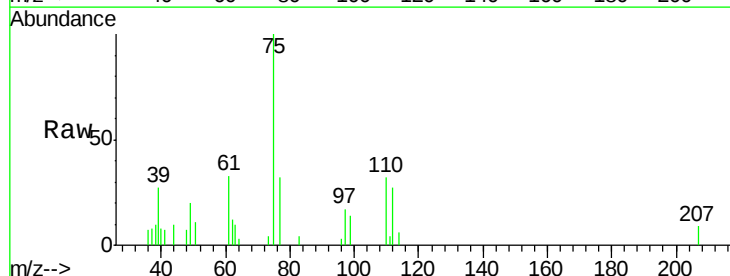
RT: 12.63 min Scan# 1773

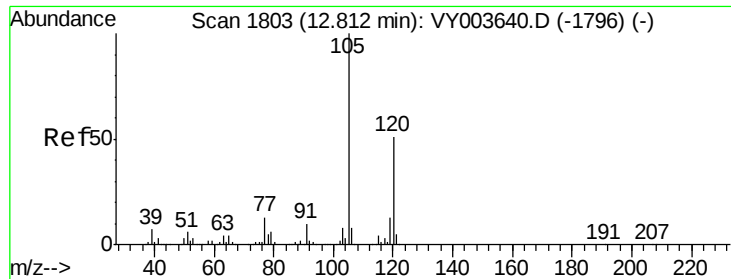
Delta R.T. -0.01 min

Lab File: VY003647.D

Acq: 02 Dec 2020 13:05

Tgt Ion:	75	Resp:	2984
Ion Ratio	Lower	Upper	
75	100		
77	34.1	26.3	39.5
110	39.0	33.0	49.4





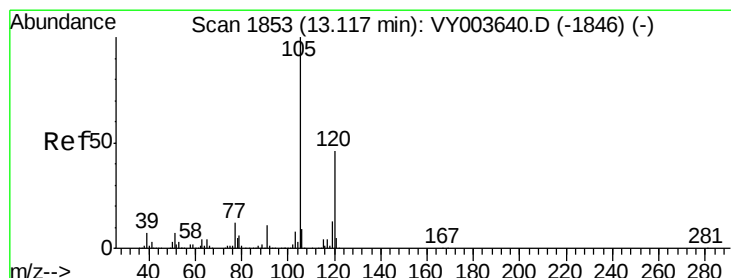
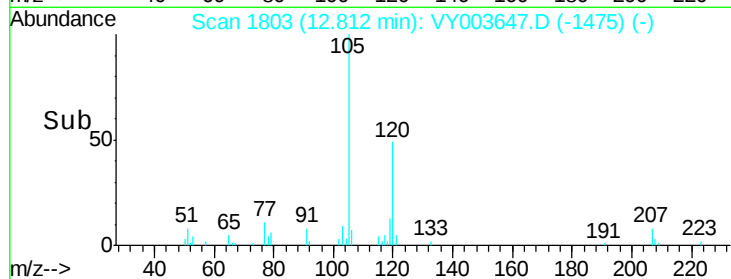
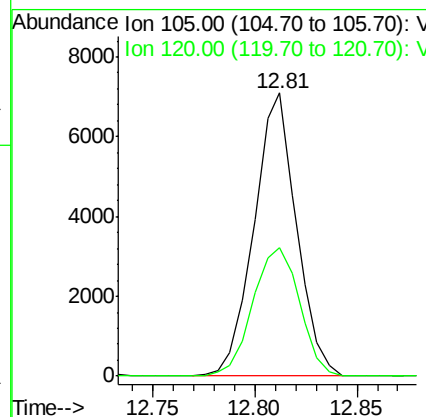
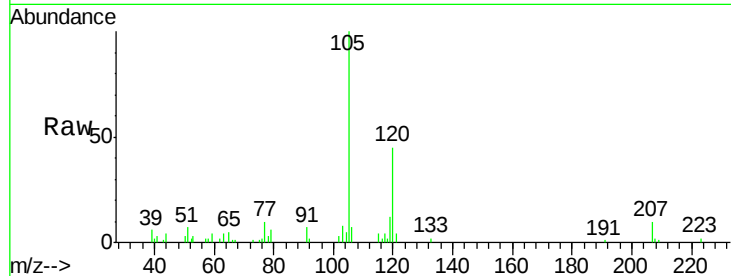
#62
 1,3,5-Trimethylbenzene
 Concen: 1.123 ug/L
 RT: 12.81 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VY003647.D
 Acq: 02 Dec 2020 13:05

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL03

Tot Ion:105 Resp: 10297
 Ion Ratio Lower Upper
 105 100
 120 49.7 40.4 60.6

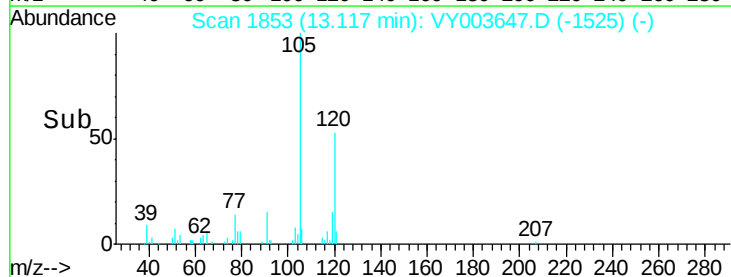
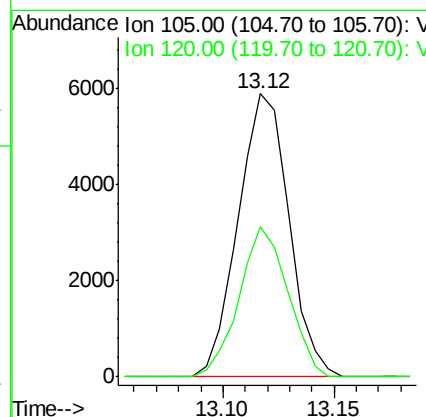
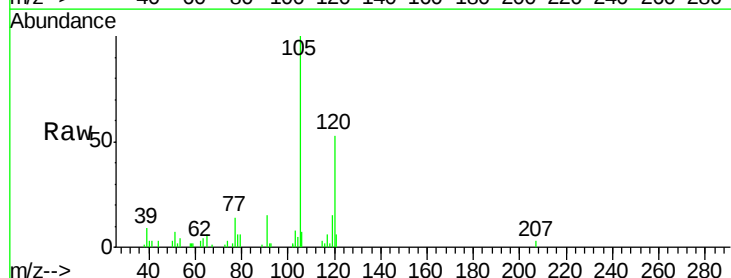
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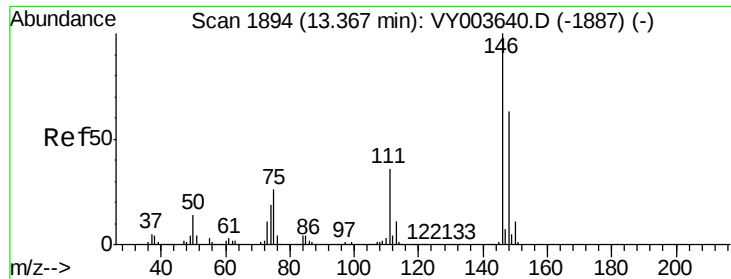
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#63
 1,2,4-Trimethylbenzene
 Concen: 1.035 ug/L
 RT: 13.12 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VY003647.D
 Acq: 02 Dec 2020 13:05

Tgt Ion:105 Resp: 9376
 Ion Ratio Lower Upper
 105 100
 120 50.6 38.0 57.0





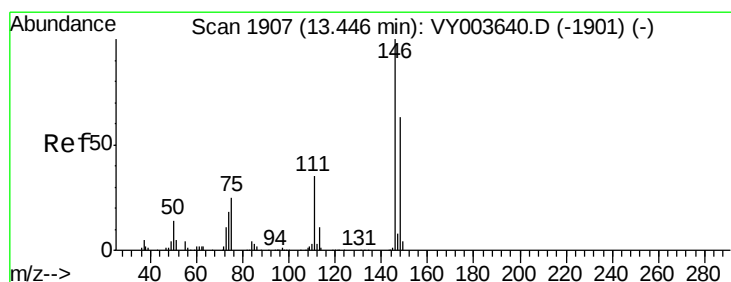
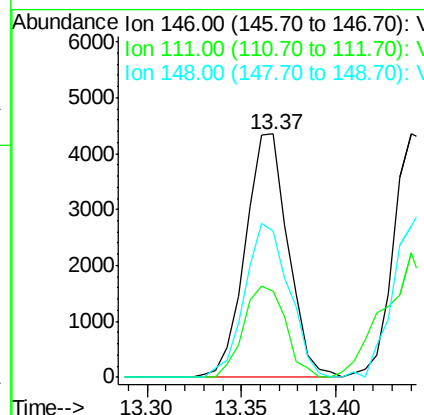
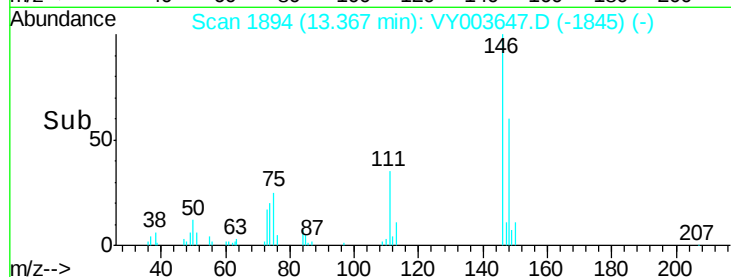
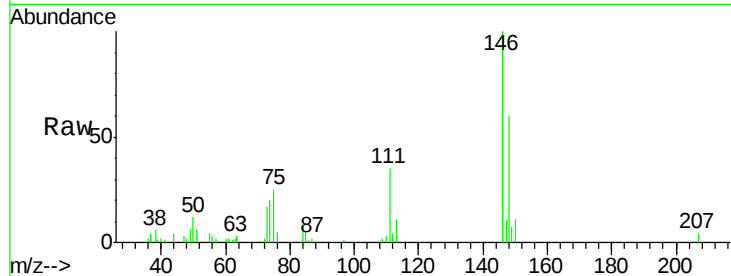
#64
 1,3-Dichlorobenzene
 Concen: 1.224 ug/L
 RT: 13.37 min Scan# 1894
 Delta R.T. -0.00 min
 Lab File: VY003647.D
 Acq: 02 Dec 2020 13:05

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL03

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.3	26.6	49.4
148	59.9	46.3	86.1

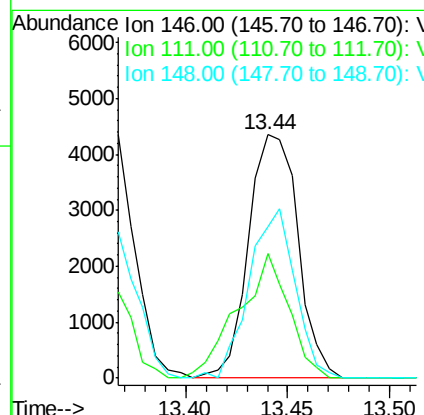
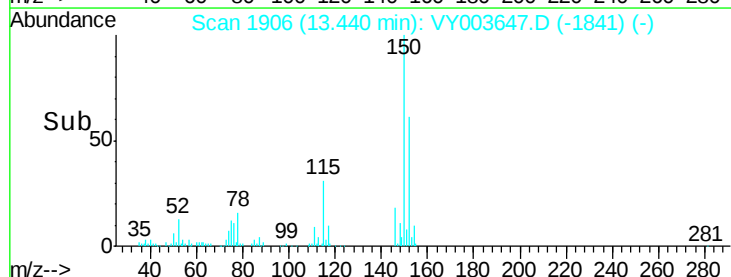
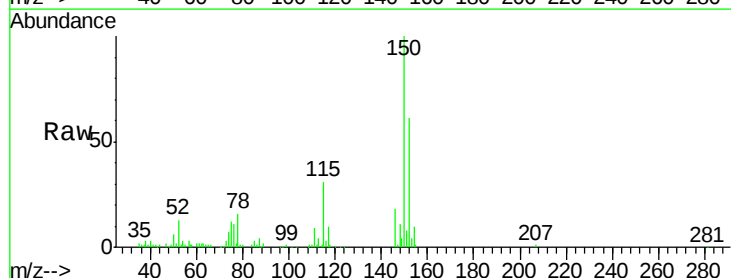
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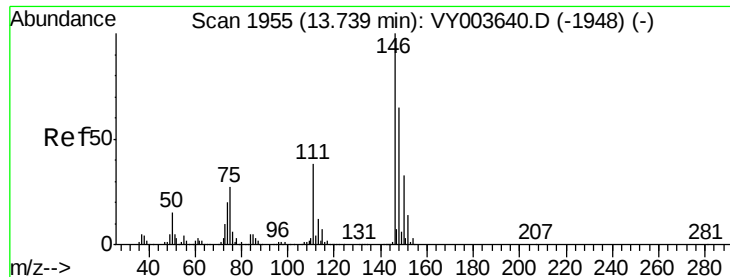
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#65
 1,4-Dichlorobenzene
 Concen: 1.287 ug/L
 RT: 13.44 min Scan# 1906
 Delta R.T. -0.01 min
 Lab File: VY003647.D
 Acq: 02 Dec 2020 13:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	51.3	24.7	45.9#
148	62.2	43.4	80.6





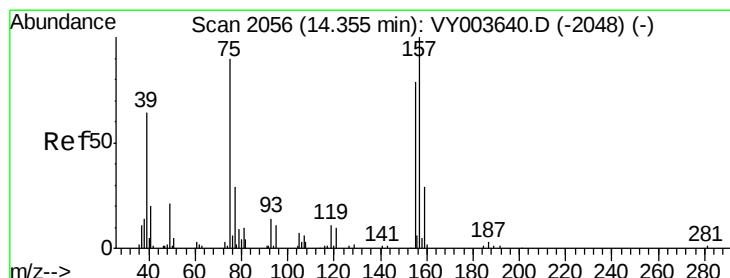
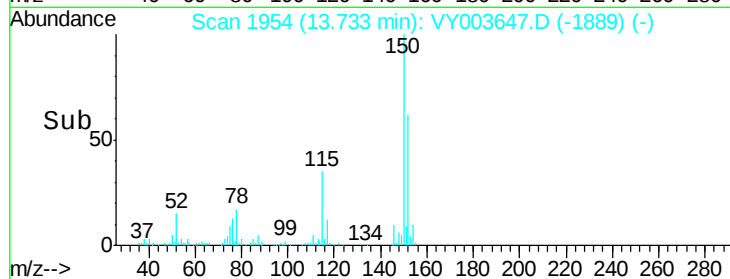
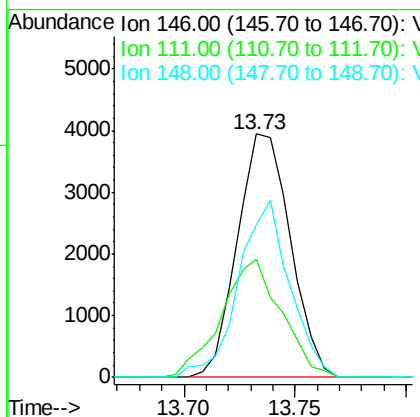
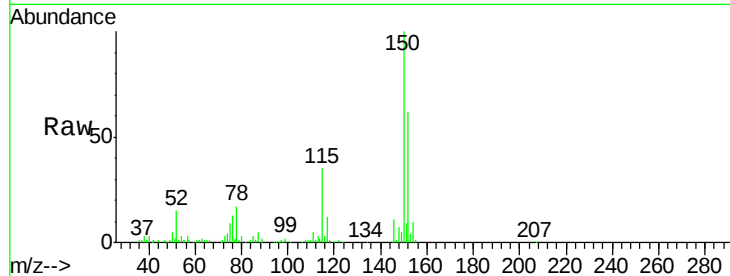
#67
 1,2-Dichlorobenzene
 Concen: 1.247 ug/L
 RT: 13.73 min Scan# 1954
 Delta R.T. -0.01 min
 Lab File: VY003647.D
 Acq: 02 Dec 2020 13:05

Instrument :
 MSVOA_Y
 ClientSampled :
 MDL03

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.3	31.0	46.6#
148	63.0	51.0	76.4

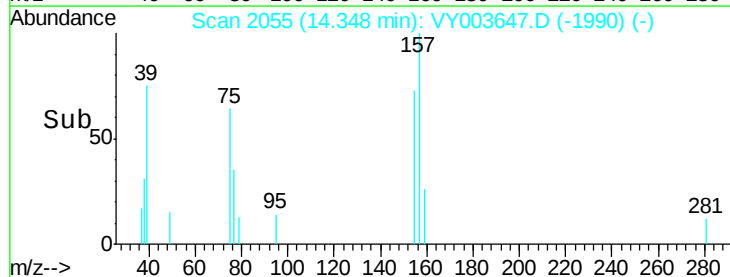
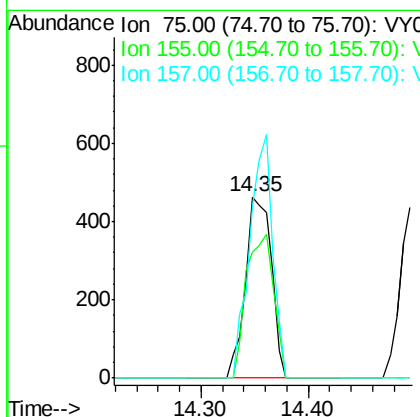
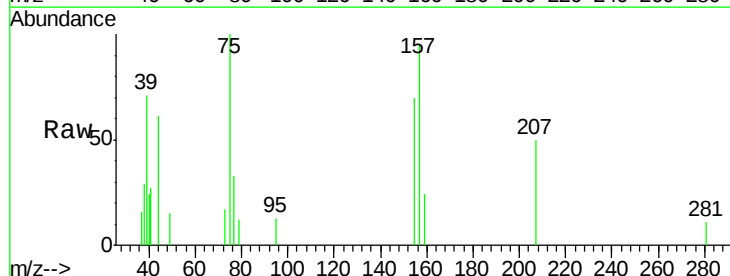
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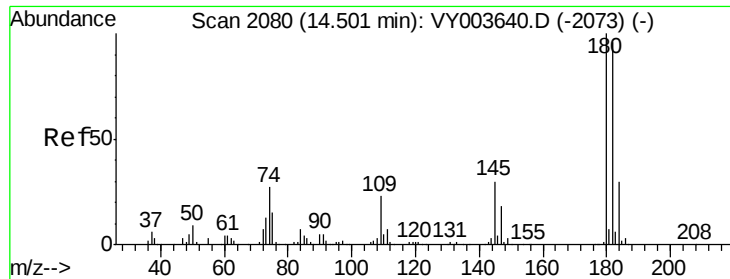
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#68
 1,2-Dibromo-3-chloropropane
 Concen: 1.518 ug/L m
 RT: 14.35 min Scan# 2055
 Delta R.T. -0.01 min
 Lab File: VY003647.D
 Acq: 02 Dec 2020 13:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.8	73.4	110.0#
157	95.0	98.1	147.1#





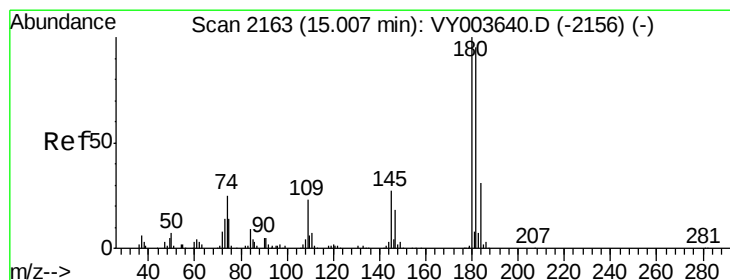
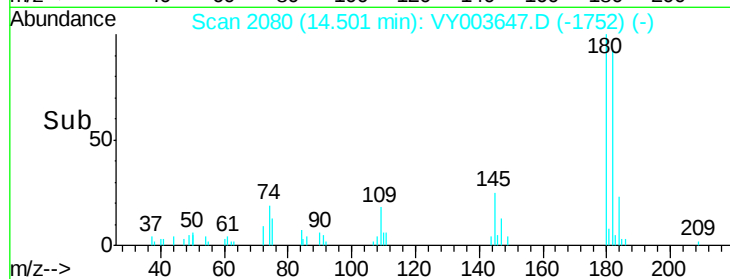
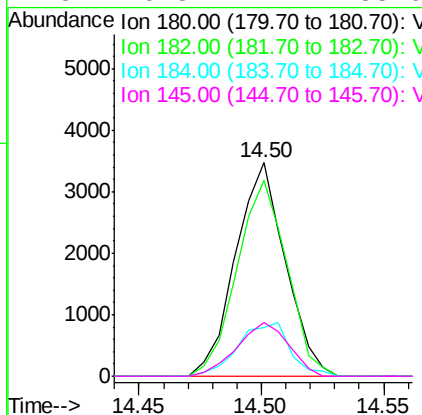
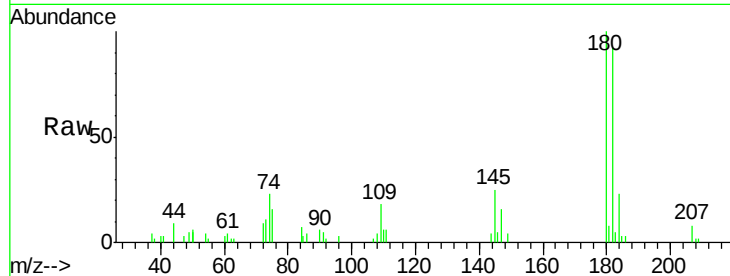
#69
 1,3,5-Trichlorobenzene
 Concen: 1.249 ug/L
 RT: 14.50 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VY003647.D
 Acq: 02 Dec 2020 13:05

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL03

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.1	75.4	113.0
184	26.6	24.1	36.1
145	26.3	22.4	33.6

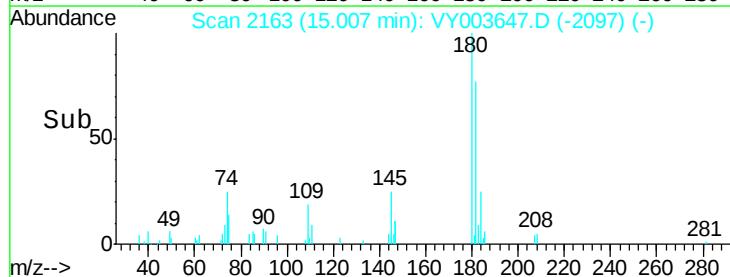
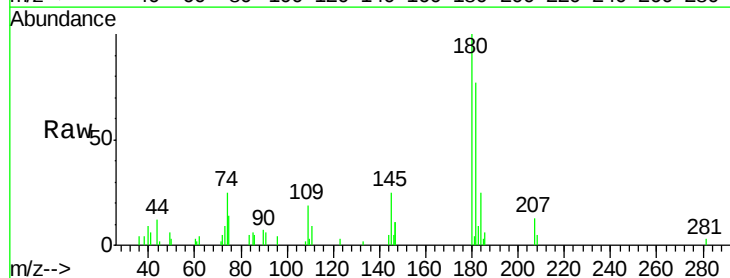
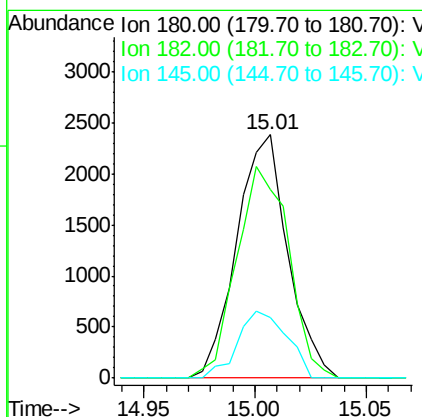
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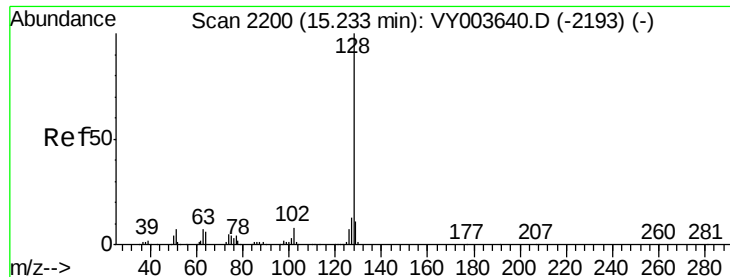
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#70
 1,2,4-trichlorobenzene
 Concen: 1.138 ug/L
 RT: 15.01 min Scan# 2163
 Delta R.T. -0.00 min
 Lab File: VY003647.D
 Acq: 02 Dec 2020 13:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	88.4	76.1	114.1
145	26.5	22.8	34.2





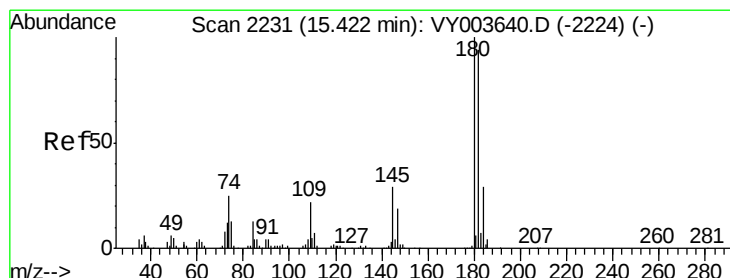
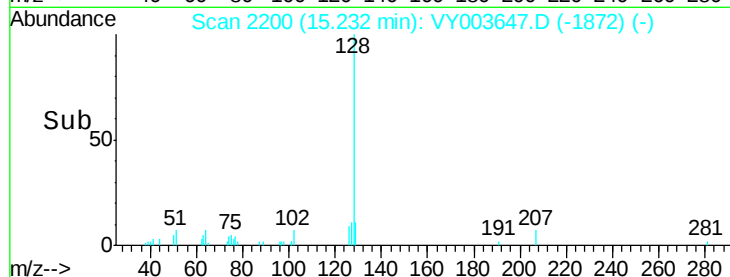
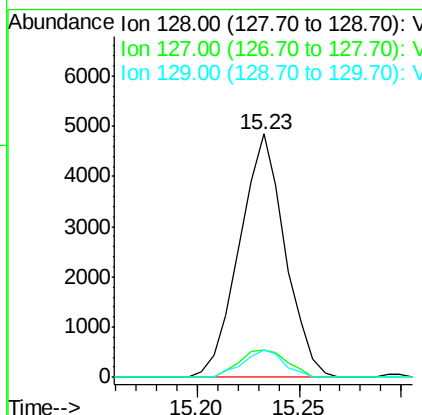
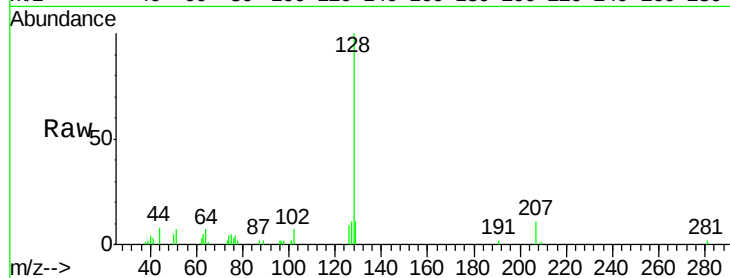
#71
Naphthalene
Concen: 1.031 ug/L
RT: 15.23 min Scan# 2200
Delta R.T. -0.00 min
Lab File: VY003647.D
Acq: 02 Dec 2020 13:05

Instrument :
MSVOA_Y
ClientSampleId :
MDL03

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.9	10.4	15.6
129	10.0	8.5	12.7

Manual Integrations
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#72
1,2,3-Trichlorobenzene
Concen: 1.107 ug/L
RT: 15.42 min Scan# 2231
Delta R.T. -0.00 min
Lab File: VY003647.D
Acq: 02 Dec 2020 13:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.4	76.2	114.4
145	30.1	23.6	35.4

