

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111920\
 Data File : VY003549.D
 Acq On : 19 Nov 2020 15:50
 Operator : SY/MD
 Sample : MDL02
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL02

Manual Integrations
 APPROVED

MMDadoda
 11/20/2020 10:22:43 AM

Quant Time: Nov 20 02:58:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111920S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 20 01:42:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	238214	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	216526	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	101615	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.26	65	51375	19.57	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.28%
7) Chloroethane-d5	2.77	69	49415	20.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.12%
10) 1,1-Dichloroethene-d2	3.86	63	97653	15.05	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	60.20%
20) 2-Butanone-d5	6.91	46	56525	42.70	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.40%
24) Chloroform-d	7.49	84	130654	21.58	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	86.32%
26) 1,2-Dichloroethane-d4	8.15	65	76021	22.40	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.60%
29) Benzene-d6	8.11	84	273804	21.70	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	86.80%
33) 1,2-Dichloropropane-d6	9.13	67	81658	22.08	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	88.32%
37) Toluene-d8	10.18	98	244109	21.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	86.40%
38) trans-1,3-Dichloropropene-	10.44	79	39467	21.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.52%
39) 2-Hexanone-d5	10.79	63	40681	42.30	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.60%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	67057	20.81	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	83.24%
61) 1,2-Dichlorobenzene-d4	13.72	152	73453	22.39	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.56%

Target Compounds

				Ovalue	
2) Dichlorodifluoromethane	1.93	85	1323m	1.048	ug/L
3) Chloromethane	2.11	50	3392	1.276	ug/L
5) Vinyl chloride	2.26	62	4301	1.355	ug/L #
6) Bromomethane	2.67	94	3231	1.311	ug/L
8) Chloroethane	2.80	64	2496	1.158	ug/L
9) Trichlorofluoromethane	3.13	101	3041	1.000	ug/L
11) 1,1,2-Trichloro-1,2,2-trif	3.90	101	4844m	1.535	ug/L
12) 1,1-Dichloroethene	3.88	96	4905	1.487	ug/L #
13) Acetone	3.98	43	3270m	3.440	ug/L
14) Carbon disulfide	4.20	76	12744	1.166	ug/L #
15) Methyl Acetate	4.49	43	2970m	1.231	ug/L
16) Methylene chloride	4.72	84	12804	3.135	ug/L
17) Methyl tert-butyl Ether	5.22	73	6220	1.207	ug/L #
18) trans-1,2-Dichloroethene	5.23	96	3999	1.150	ug/L
19) 1,1-Dichloroethane	6.03	63	7232	1.232	ug/L
21) 2-Butanone	7.01	43	5410m	3.380	ug/L
22) cis-1,2-Dichloroethene	6.99	96	4715m	1.320	ug/L

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

23) Bromochloromethane	7.33	128	2139	1.237	ug/L	83
25) Chloroform	7.52	83	7794	1.335	ug/L	75
27) 1,2-Dichloroethane	8.24	62	4853	1.230	ug/L #	77
30) Cyclohexane	7.79	56	5588	1.061	ug/L	99
31) 1,1,1-Trichloroethane	7.71	97	5270	1.119	ug/L	97
32) Carbon tetrachloride	7.91	117	5040	1.126	ug/L	100
34) Benzene	8.17	78	16172	1.184	ug/L	100
35) Trichloroethene	8.94	95	4437	1.283	ug/L	93
36) Methylcyclohexane	9.19	83	5493	1.016	ug/L	94
40) 1,2-Dichloropropane	9.22	63	4220	1.253	ug/L #	97
41) Bromodichloromethane	9.50	83	5048	1.174	ug/L #	97
42) cis-1,3-Dichloropropene	9.93	75	6483	1.221	ug/L	98
43) 4-Methyl-2-pentanone	10.08	43	6260	2.222	ug/L	98
44) Toluene	10.25	91	16948	1.177	ug/L	94
45) trans-1,3-Dichloropropene	10.46	75	7292	1.491	ug/L	89
46) 1,1,2-Trichloroethane	10.64	97	3252	1.209	ug/L	94
47) Tetrachloroethene	10.72	164	3377	1.123	ug/L	89
49) 2-Hexanone	10.83	43	4948	2.223	ug/L	97
50) Dibromochloromethane	10.99	129	3888	1.198	ug/L	76
51) 1,2-Dibromoethane	11.09	107	3146	1.173	ug/L	90
52) Chlorobenzene	11.52	112	11123	1.210	ug/L	92
53) Ethylbenzene	11.59	91	15308	1.035	ug/L	99
54) m,p-Xylene	11.70	106	5880	1.033	ug/L	100
55) o-xylene	12.03	106	4869	1.025	ug/L	93
56) Styrene	12.04	104	9512	1.022	ug/L	96
57) Isopropylbenzene	12.33	105	10930	1.016	ug/L	95
58) 1,1,1,2,2-Tetrachloroethane	12.58	83	3825	1.205	ug/L #	98
59) 1,2,3-Trichloropropane	12.63	75	2627	1.063	ug/L	93
62) Bromoform	12.20	173	2264	1.098	ug/L	96
63) 1,3-Dichlorobenzene	13.36	146	7764	1.211	ug/L	96
64) 1,4-Dichlorobenzene	13.45	146	8655	1.311	ug/L	96
65) 1,2-Dichlorobenzene	13.73	146	6509	1.233	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.36	75	599m	1.333	ug/L	
67) 1,3,5-Trichlorobenzene	14.50	180	3910	1.149	ug/L	95
68) 1,2,4-trichlorobenzene	15.00	180	3331	1.137	ug/L	97
69) Naphthalene	15.23	128	5657	1.094	ug/L	96
70) 1,2,3-Trichlorobenzene	15.42	180	2441	1.102	ug/L #	94

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

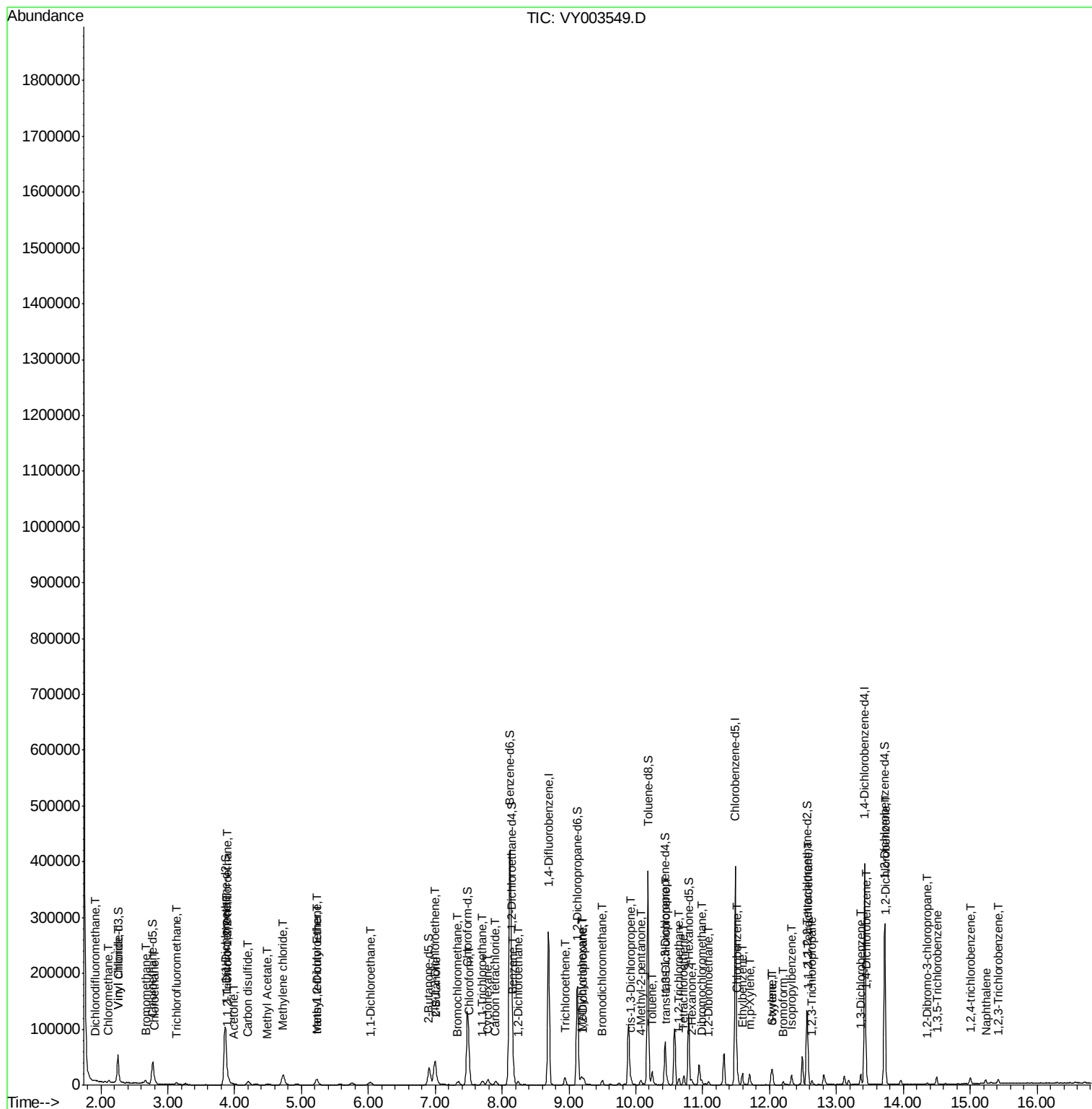
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY111920\
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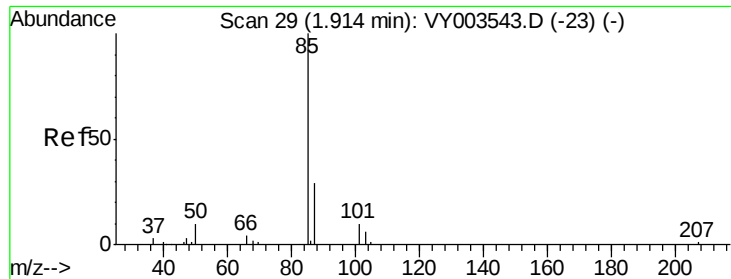
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#2

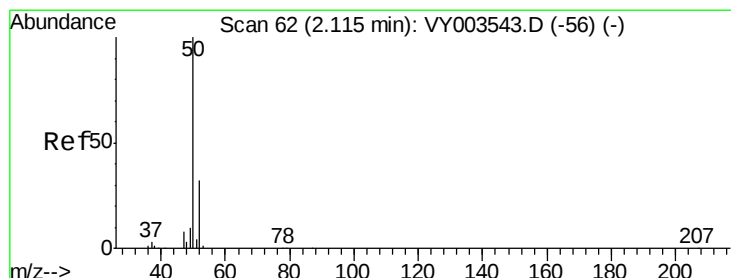
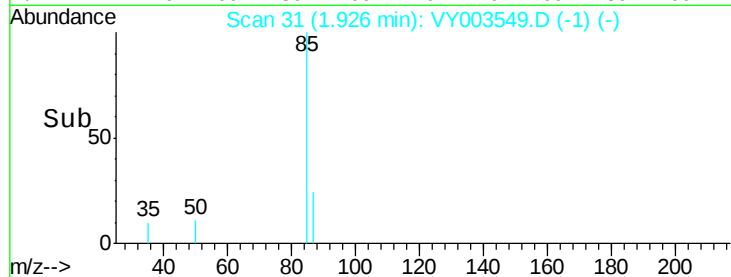
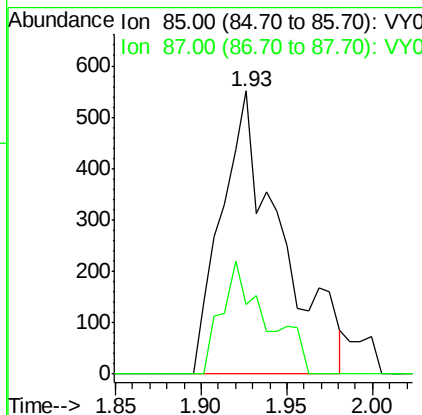
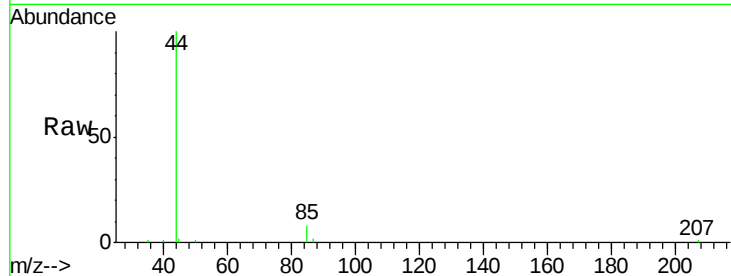
Dichlorodifluoromethane
Concen: 1.048 ug/L
RT: 1.93 min Scan# 31
Delta R.T. 0.01 min
Lab File: VY003549.D
Acq: 19 Nov 2020 15:50

Instrument :
MSVOA_Y
ClientSampleId :
MDL02

Tot Ion	85	Resp	1323
Ion Ratio	100	Lower	Upper
85	100		
87	22.6	21.3	39.5

Manual Integrations
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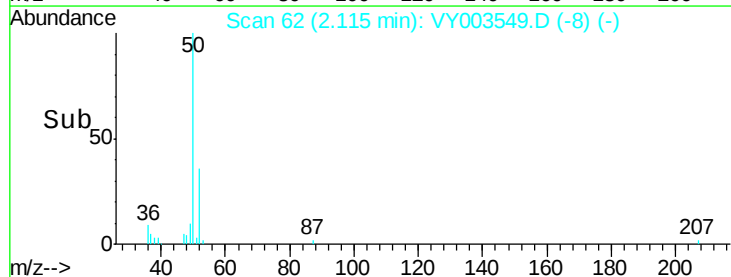
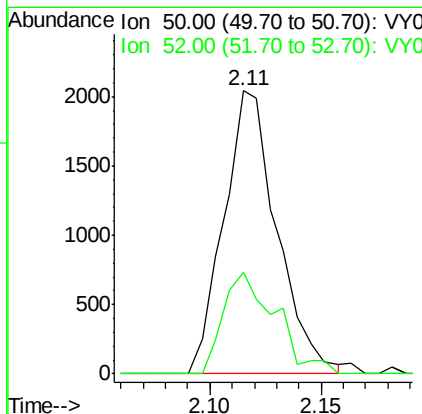
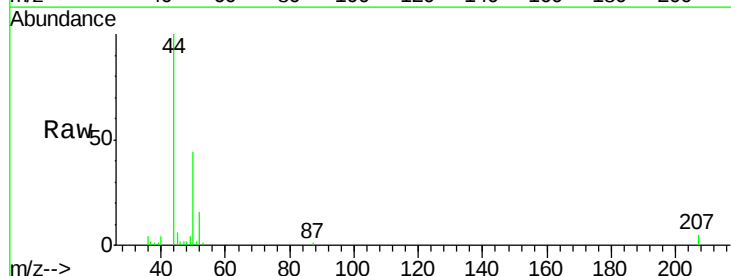
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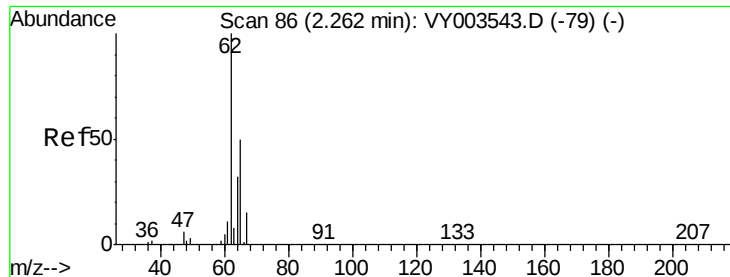


#3

Chloromethane
Concen: 1.276 ug/L
RT: 2.11 min Scan# 62
Delta R.T. -0.00 min
Lab File: VY003549.D
Acq: 19 Nov 2020 15:50

Tgt Ion	50	Resp	3392
Ion Ratio	100	Lower	Upper
50	100		
52	35.7	22.4	41.6





#5

Vinyl chloride

Concen: 1.355 ug/L

RT: 2.26 min Scan# 86

Delta R.T. -0.00 min

Lab File: VY003549.D

Acq: 19 Nov 2020 15:50

Instrument :

MSVOA_Y

ClientSampled :

MDL02

Tot Ion: 62 Resp: 4301

Ion Ratio Lower Upper

62 100

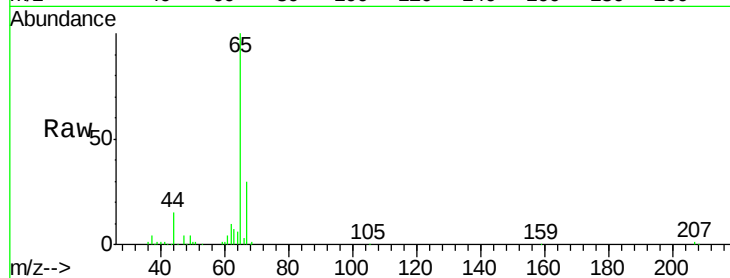
64 55.3 22.7 42.1#

Manual Integrations

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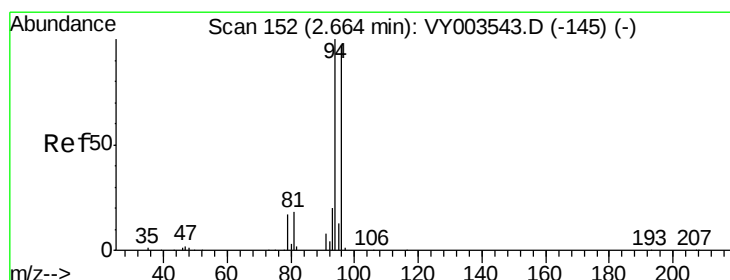
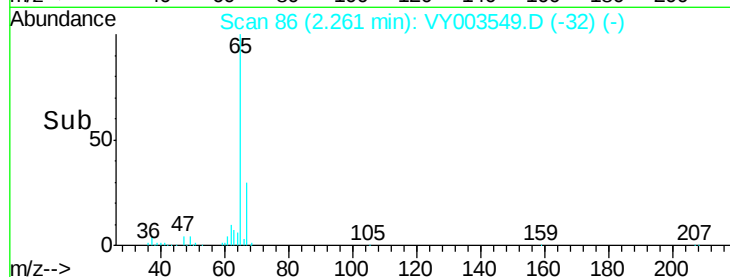
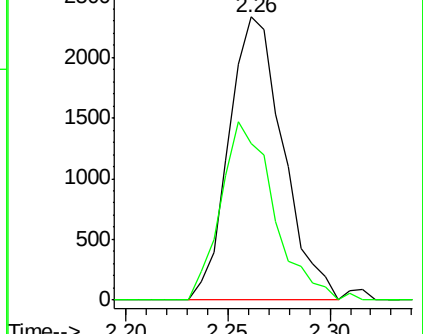
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Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 64.00 (63.70 to 64.70): VY0



#6

Bromomethane

Concen: 1.311 ug/L

RT: 2.67 min Scan# 153

Delta R.T. 0.01 min

Lab File: VY003549.D

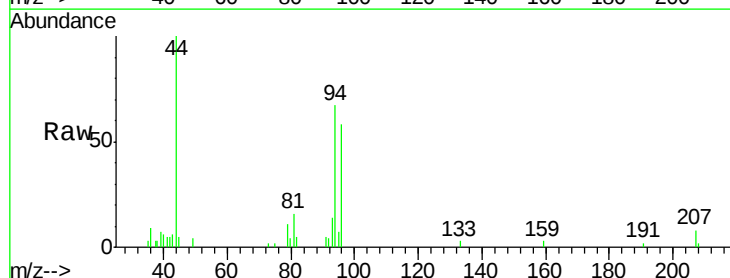
Acq: 19 Nov 2020 15:50

Tgt Ion: 94 Resp: 3231

Ion Ratio Lower Upper

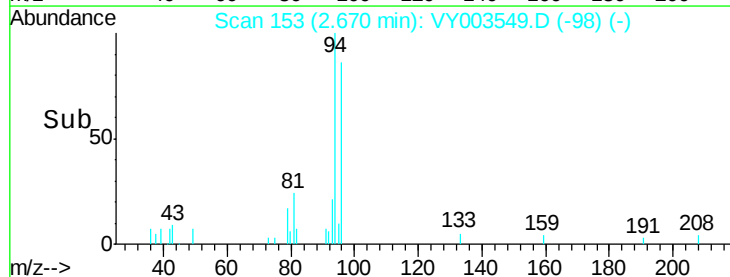
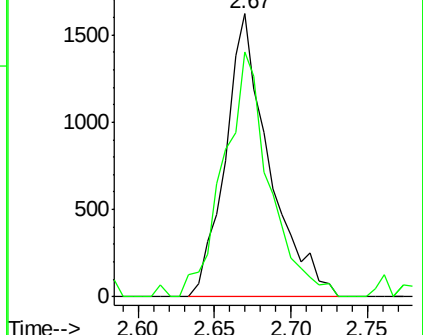
94 100

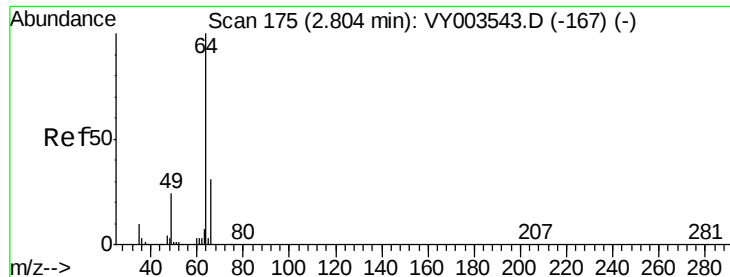
96 89.9 9.4 178.6



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0





#8

Chloroethane

Concen: 1.158 ug/L

RT: 2.80 min Scan# 175

Delta R.T. -0.00 min

Lab File: VY003549.D

Acq: 19 Nov 2020 15:50

Instrument :

MSVOA_Y

ClientSampleId :

MDL02

Tot Ion: 64 Resp: 2496

Ion Ratio Lower Upper

64 100

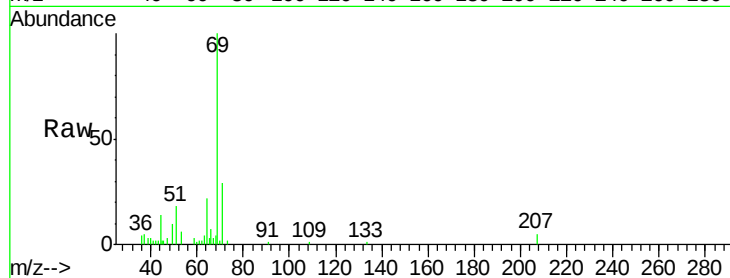
66 30.7 21.8 40.6

Manual Integrations

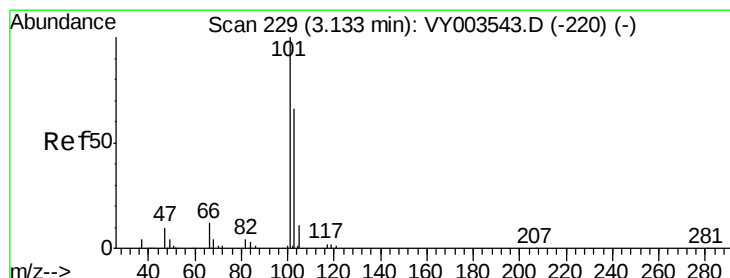
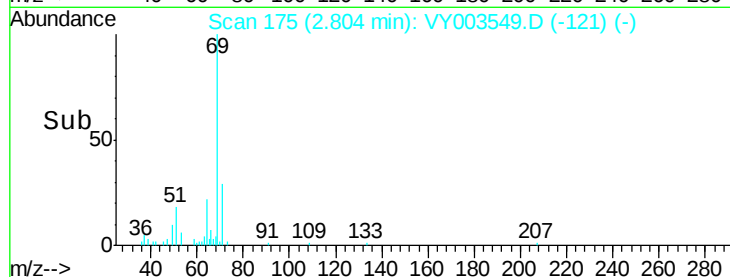
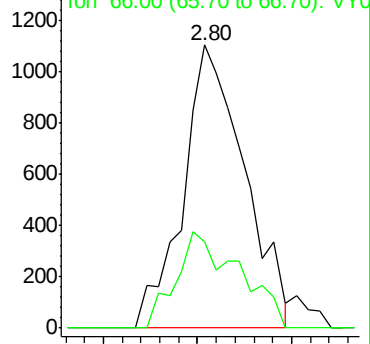
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Abundance Ion 64.00 (63.70 to 64.70): VY003549.D (-167) (-)



#9

Trichlorofluoromethane

Concen: 1.000 ug/L

RT: 3.13 min Scan# 229

Delta R.T. -0.00 min

Lab File: VY003549.D

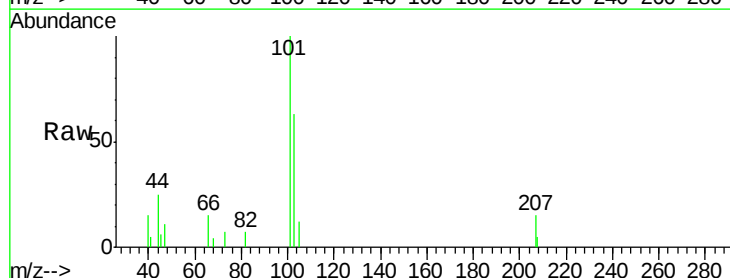
Acq: 19 Nov 2020 15:50

Tgt Ion: 101 Resp: 3041

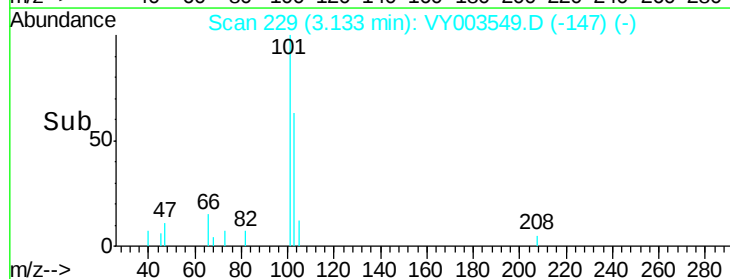
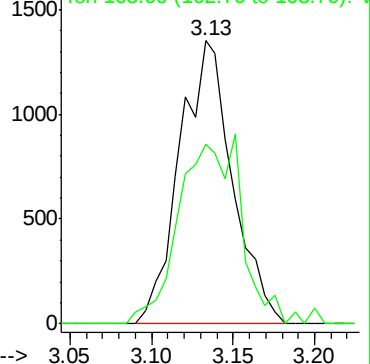
Ion Ratio Lower Upper

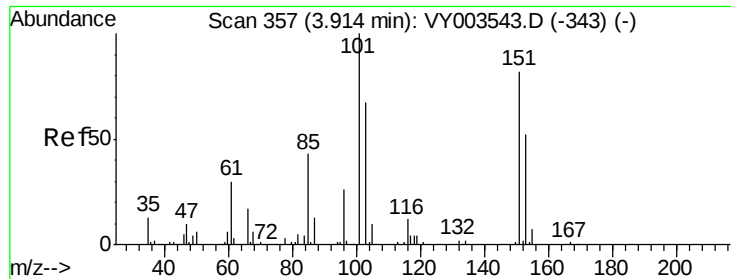
101 100

103 57.1 45.6 84.6



Abundance Ion 101.00 (100.70 to 101.70): VY003549.D (-147) (-)





#11

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

Concen: 1.535 ug/L m

RT: 3.90 min Scan# 355

Delta R.T. -0.01 min

Lab File: VY003549.D

Acq: 19 Nov 2020 15:50

Instrument :

MSVOA_Y

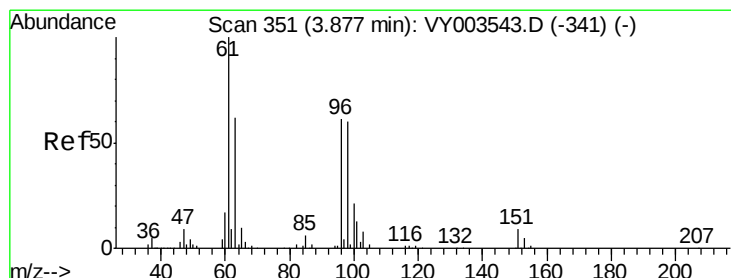
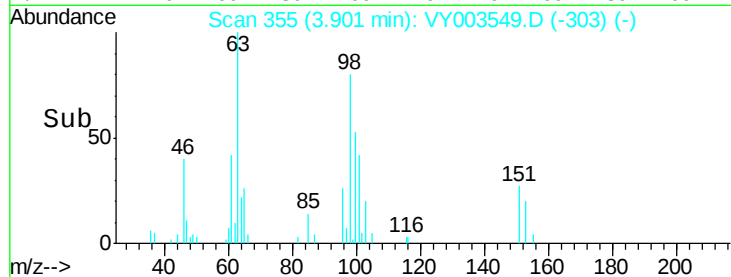
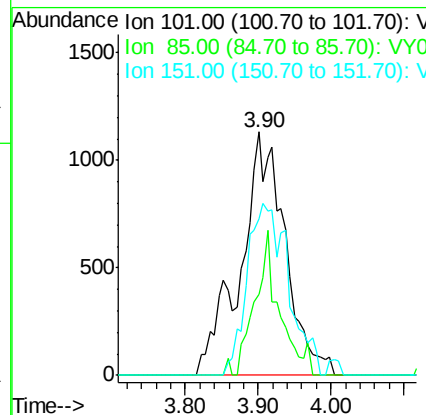
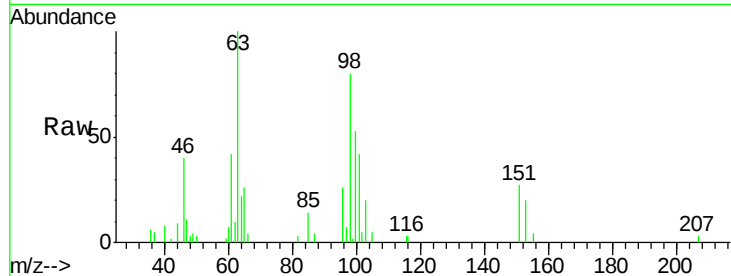
ClientSampleId :

MDL02

Tot Ion:	101	Resp:	4844
Ion Ratio	Lower	Upper	
101	100		
85	30.8	35.0	52.4#
151	44.7	65.4	98.0#

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11/20/2020 10:22:43 AM



#12

1,1-Dichloroethene

Concen: 1.487 ug/L

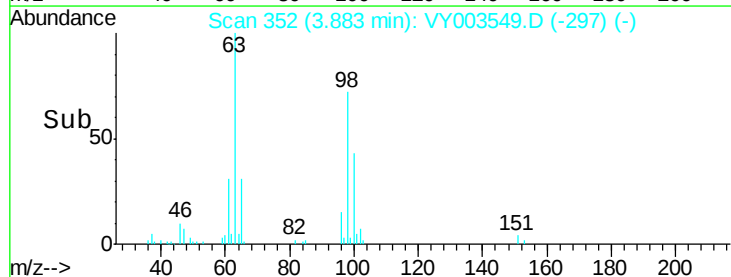
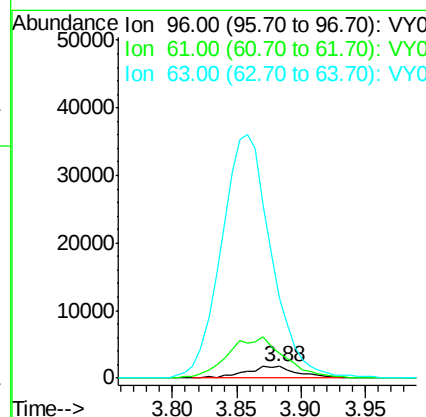
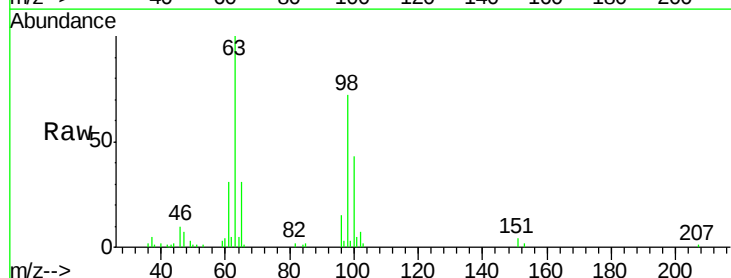
RT: 3.88 min Scan# 352

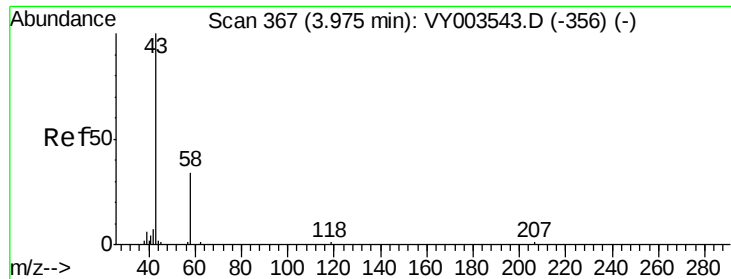
Delta R.T. 0.01 min

Lab File: VY003549.D

Acq: 19 Nov 2020 15:50

Tgt Ion:	96	Resp:	4905
Ion Ratio	Lower	Upper	
96	100		
61	207.3	116.6	216.6
63	675.8	77.5	143.9#





#13

Acetone

Concen: 3.440 ug/L m

RT: 3.98 min Scan# 368

Delta R.T. 0.01 min

Lab File: VY003549.D

Acq: 19 Nov 2020 15:50

Instrument :

MSVOA_Y

ClientSampleId :

MDL02

Tot Ion: 43 Resp: 3270

Ion Ratio Lower Upper

43 100

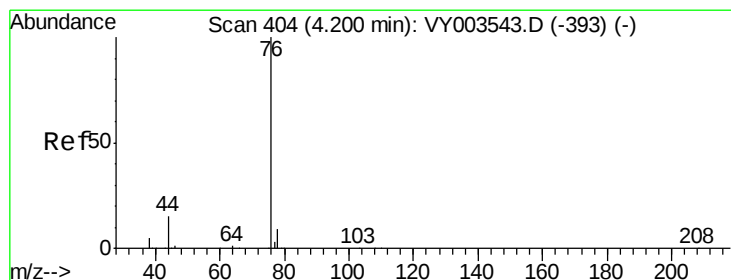
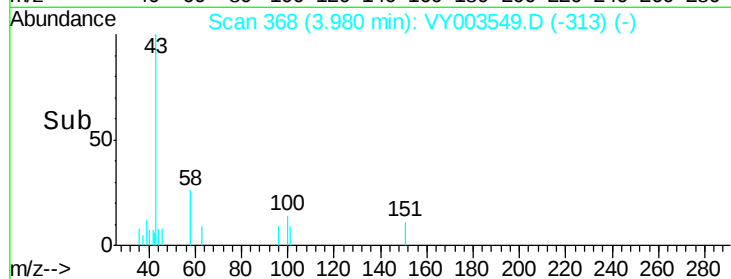
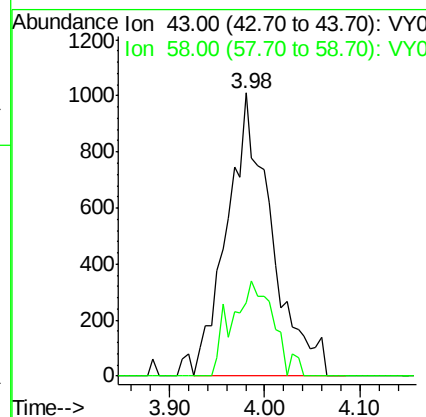
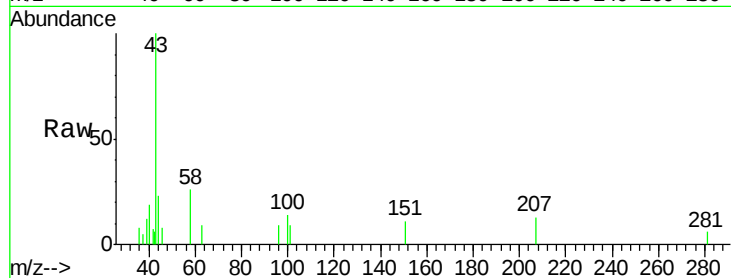
58 8.1 0.0 66.2

Manual Integrations

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#14

Carbon disulfide

Concen: 1.166 ug/L

RT: 4.20 min Scan# 404

Delta R.T. -0.00 min

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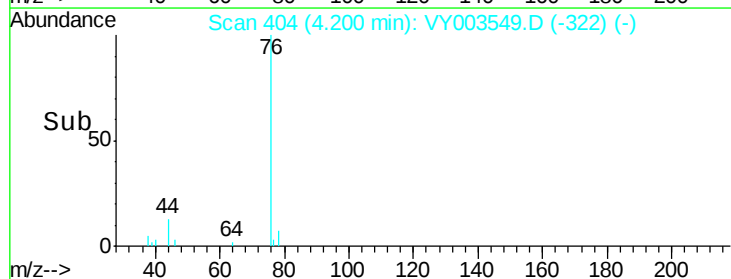
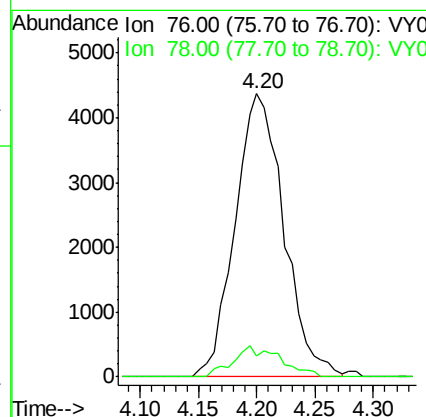
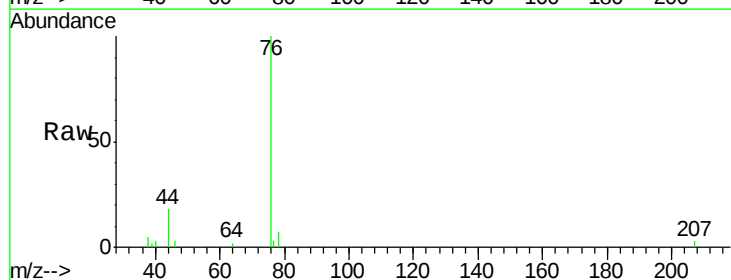
Acq: 19 Nov 2020 15:50

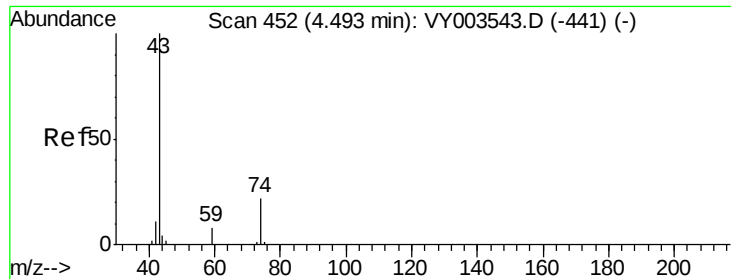
Tgt Ion: 76 Resp: 12744

Ion Ratio Lower Upper

76 100

78 7.2 7.4 11.0#





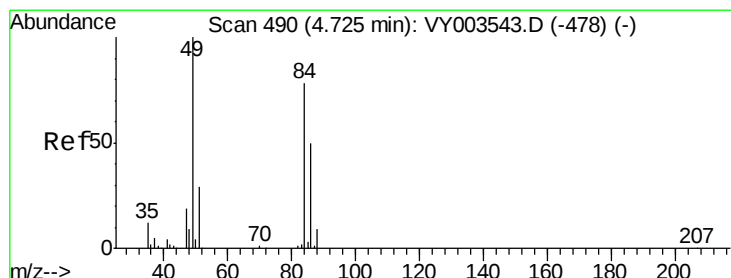
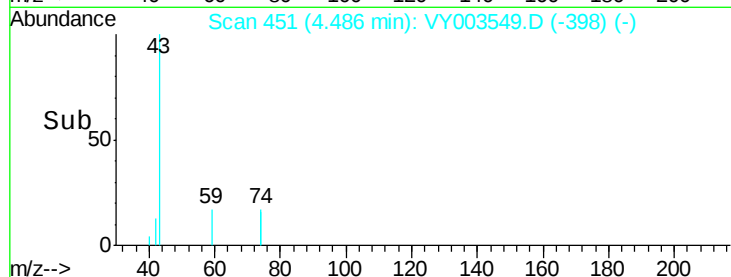
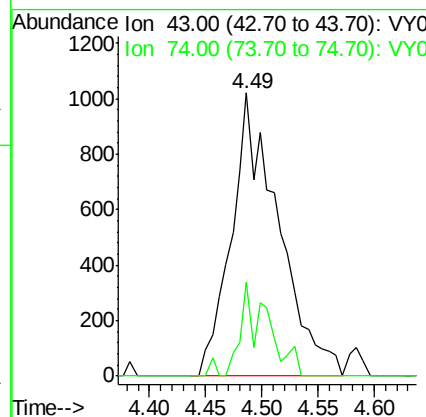
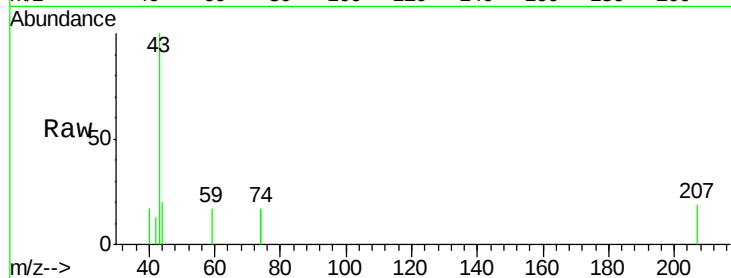
#15
Methyl Acetate
Concen: 1.231 ug/L m
RT: 4.49 min Scan# 451
Delta R.T. -0.01 min
Lab File: VY003549.D
Acq: 19 Nov 2020 15:50

Instrument :
MSVOA_Y
ClientSampled :
MDL02

Tot Ion: 43 Resp: 2970
Ion Ratio Lower Upper
43 100
74 8.0 18.2 27.2#

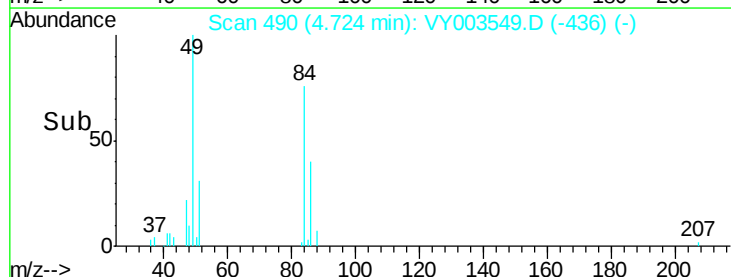
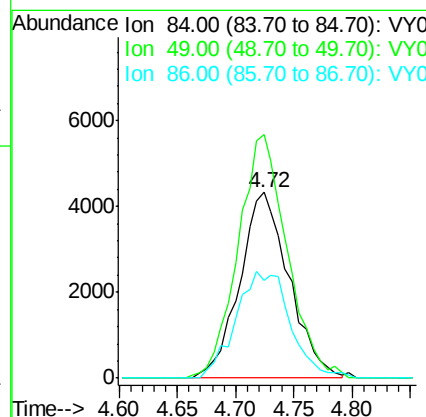
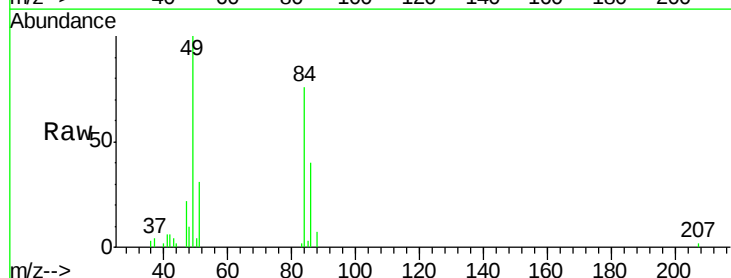
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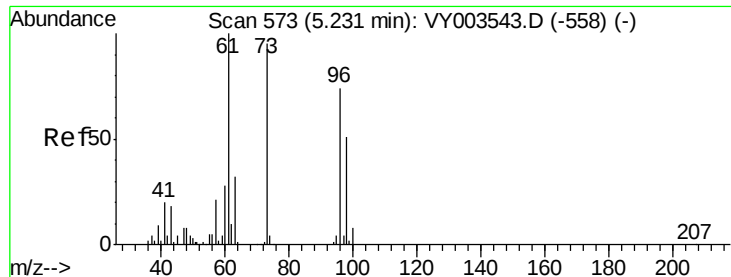
MMDadoda
11/20/2020 10:22:43 AM



#16
Methylene chloride
Concen: 3.135 ug/L
RT: 4.72 min Scan# 490
Delta R.T. -0.00 min
Lab File: VY003549.D
Acq: 19 Nov 2020 15:50

Tgt Ion: 84 Resp: 12804
Ion Ratio Lower Upper
84 100
49 131.0 90.3 167.7
86 52.6 44.7 83.1





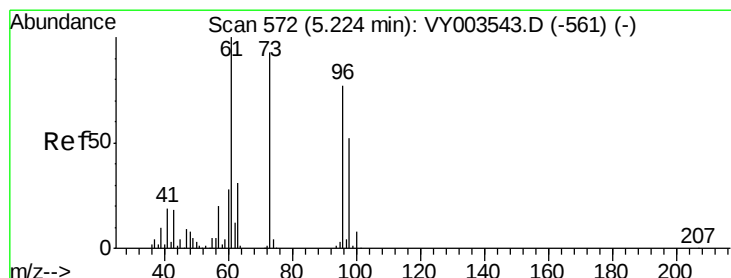
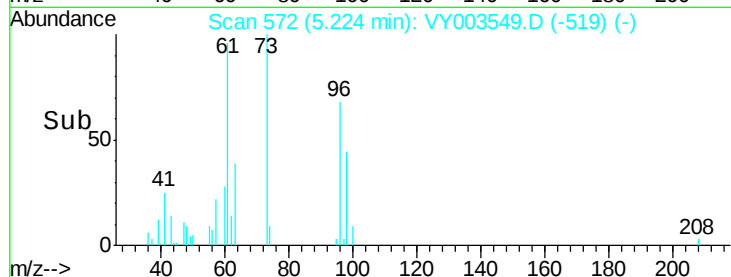
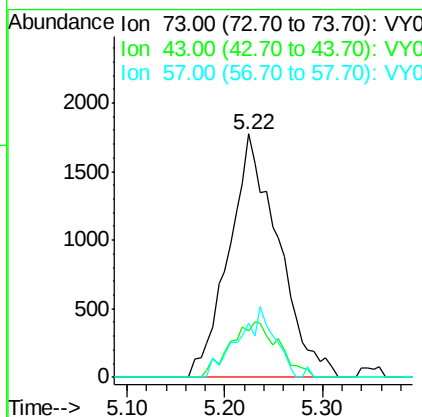
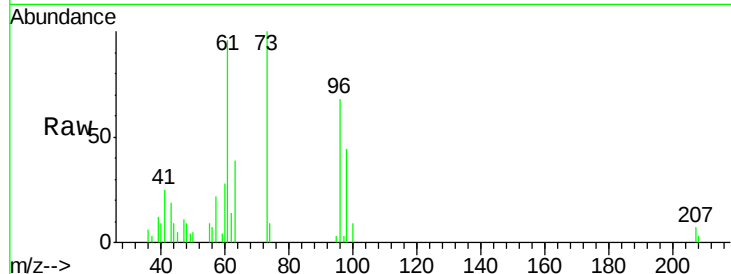
#17
Methvl tert-butvl Ether
Concen: 1.207 ug/L
RT: 5.22 min Scan# 572
Delta R.T. -0.01 min
Lab File: VY003549.D
Acq: 19 Nov 2020 15:50

Instrument :
MSVOA_Y
ClientSampleId :
MDL02

Tot Ion	Ratio	Lower	Upper
73	100		
43	0.0	15.9	23.9#
57	9.8	10.5	15.7#

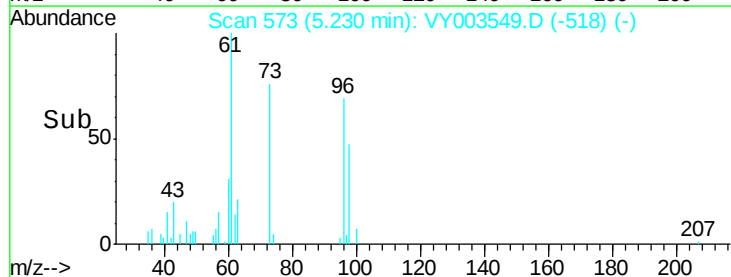
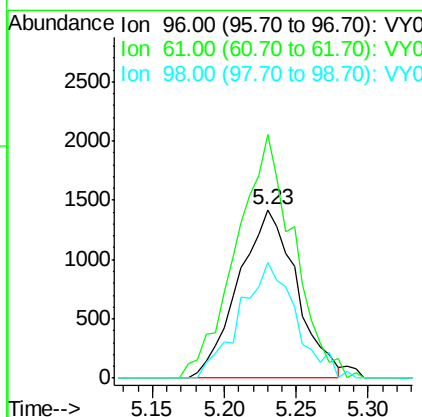
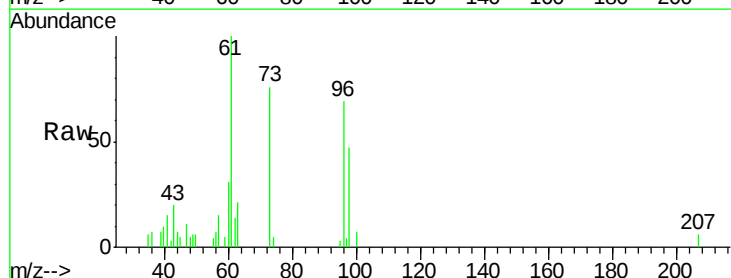
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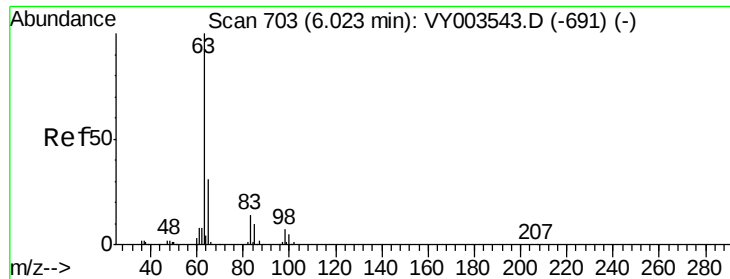
MMDadoda
11/20/2020 10:22:43 AM



#18
trans-1,2-Dichloroethene
Concen: 1.150 ug/L
RT: 5.23 min Scan# 573
Delta R.T. 0.01 min
Lab File: VY003549.D
Acq: 19 Nov 2020 15:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	144.8	90.8	168.6
98	68.4	46.8	87.0





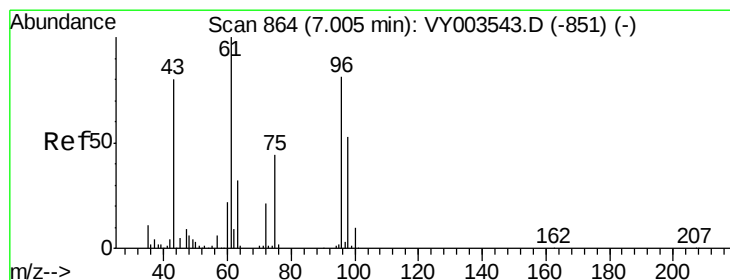
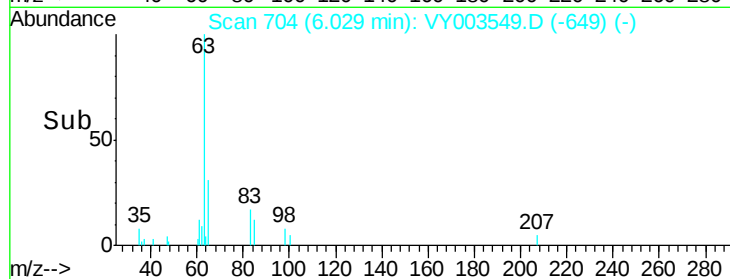
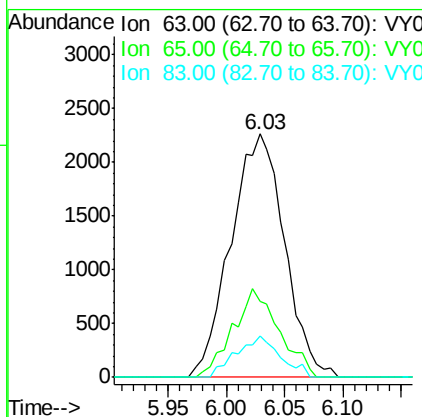
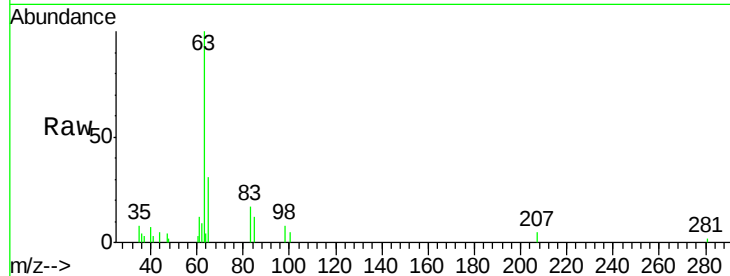
#19
 1,1-Dichloroethane
 Concen: 1.232 ug/L
 RT: 6.03 min Scan# 704
 Delta R.T. 0.01 min
 Lab File: VY003549.D
 Acq: 19 Nov 2020 15:50

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL02

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.0	22.0	40.8
83	16.8	9.9	18.5

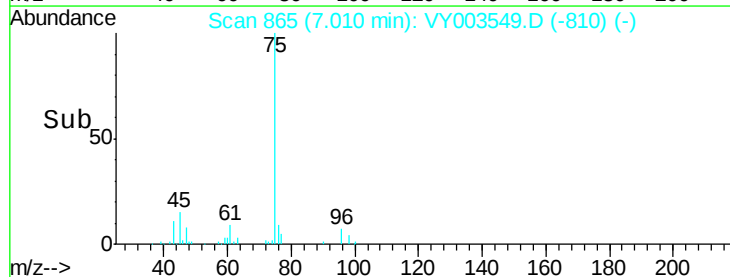
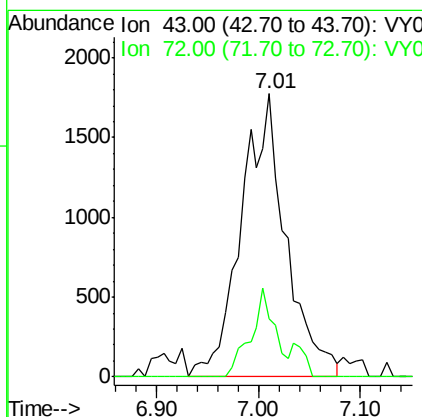
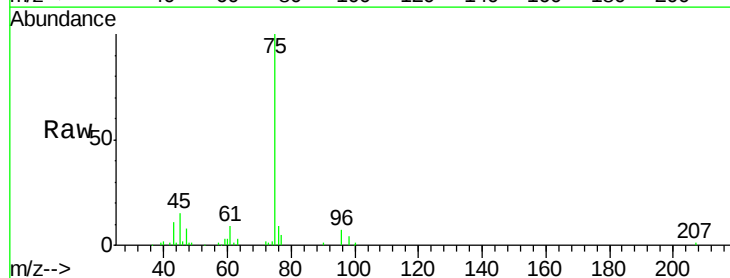
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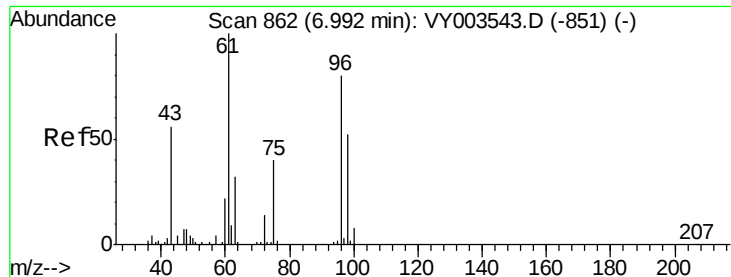
MMDadoda
 11/20/2020 10:22:43 AM



#21
 2-Butanone
 Concen: 3.380 ug/L m
 RT: 7.01 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VY003549.D
 Acq: 19 Nov 2020 15:50

Tgt Ion	Ratio	Lower	Upper
43	100		
72	16.8	13.2	39.6





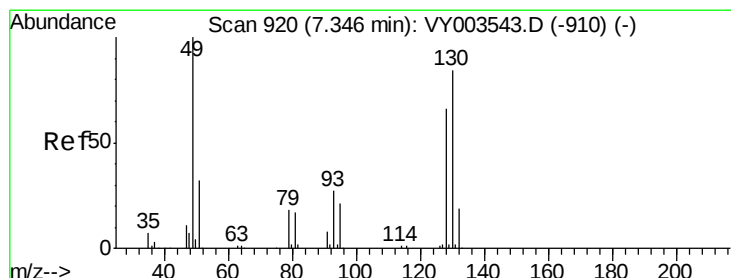
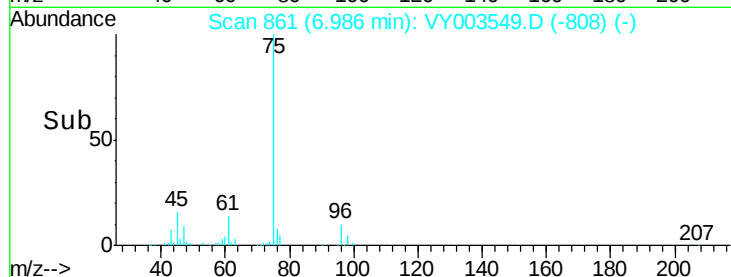
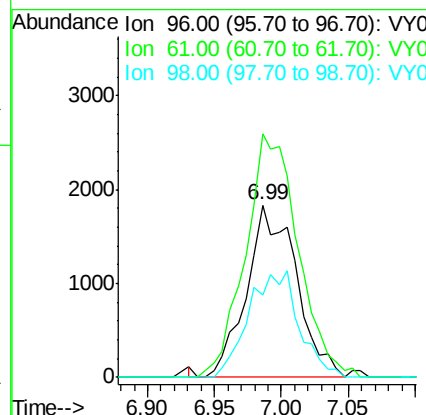
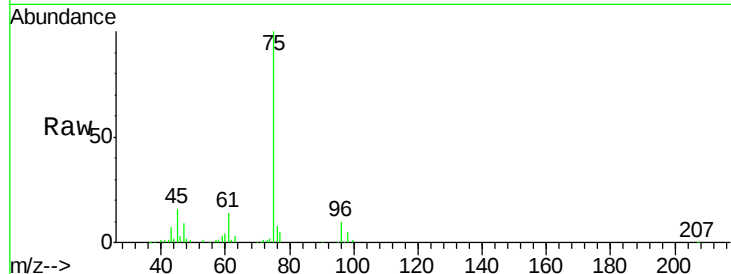
#22
 cis-1,2-Dichloroethene
 Concen: 1.320 ug/L m
 RT: 6.99 min Scan# 861
 Delta R.T. -0.01 min
 Lab File: VY003549.D
 Acq: 19 Nov 2020 15:50

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL02

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.5	88.1	163.5
98	47.9	45.6	84.6

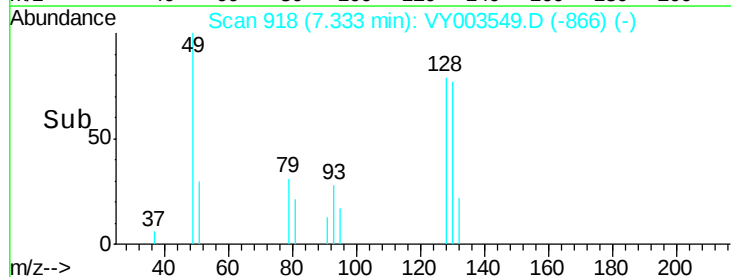
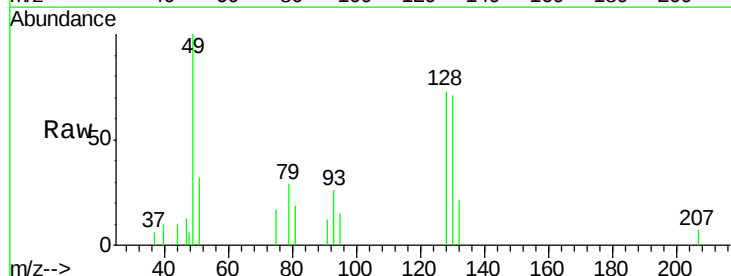
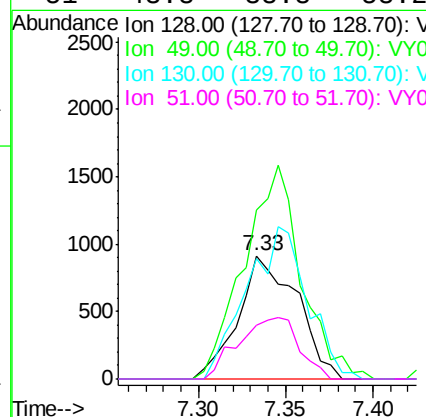
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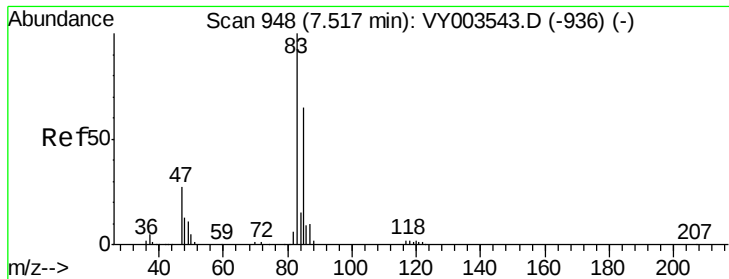
MMDadoda
 11/20/2020 10:22:43 AM



#23
 Bromochloromethane
 Concen: 1.237 ug/L
 RT: 7.33 min Scan# 918
 Delta R.T. -0.01 min
 Lab File: VY003549.D
 Acq: 19 Nov 2020 15:50

Tgt Ion	Ratio	Lower	Upper
128	100		
49	137.0	107.3	199.3
130	97.5	89.3	165.9
51	43.8	38.8	58.2





#25

Chloroform

Concen: 1.335 ug/L

RT: 7.52 min Scan# 948

Delta R.T. -0.00 min

Lab File: VY003549.D

Acq: 19 Nov 2020 15:50

Instrument :

MSVOA_Y

ClientSampleId :

MDL02

Tot Ion: 83 Resp: 7794

Ion Ratio Lower Upper

83 100

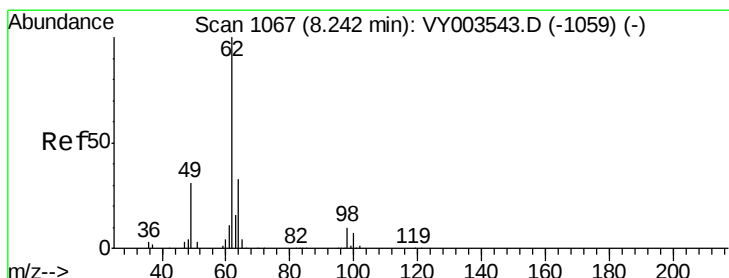
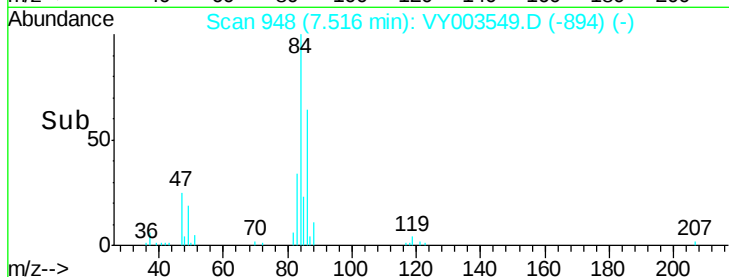
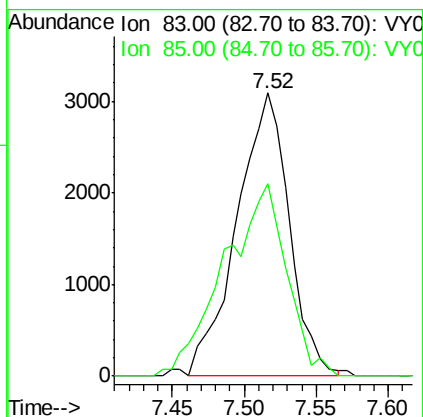
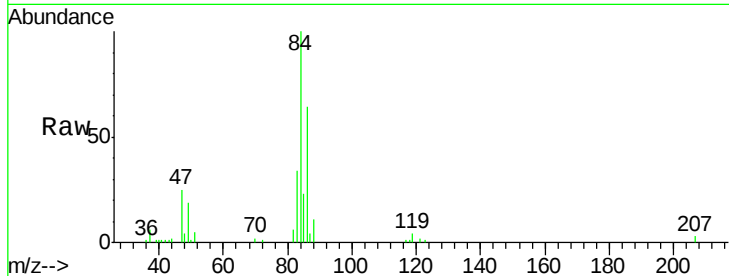
85 46.5 46.2 85.8

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#27

1,2-Dichloroethane

Concen: 1.230 ug/L

RT: 8.24 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VY003549.D

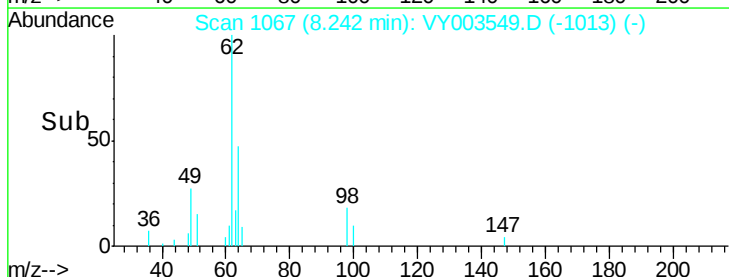
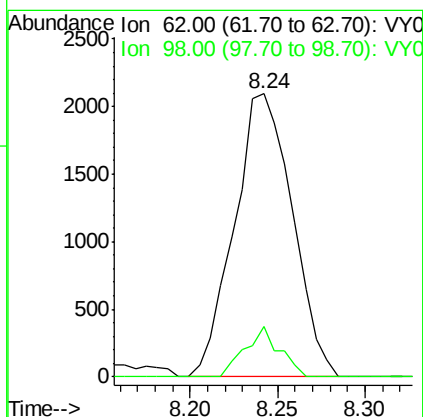
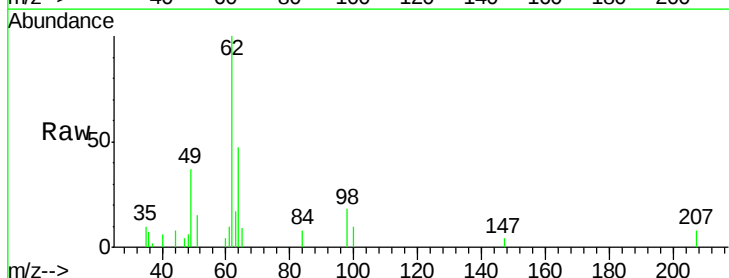
Acq: 19 Nov 2020 15:50

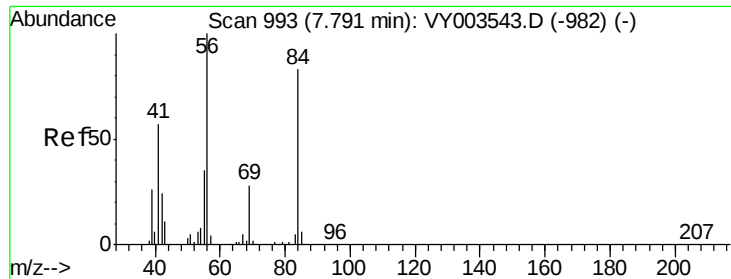
Tgt Ion: 62 Resp: 4853

Ion Ratio Lower Upper

62 100

98 17.9 7.7 11.5#





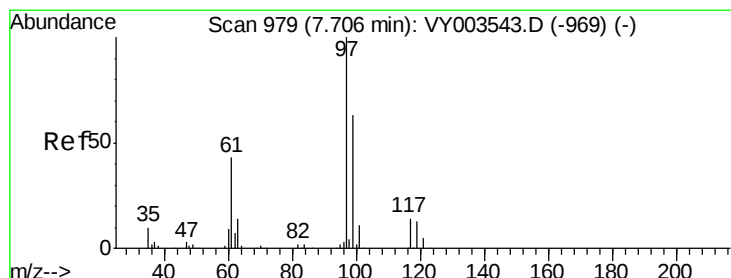
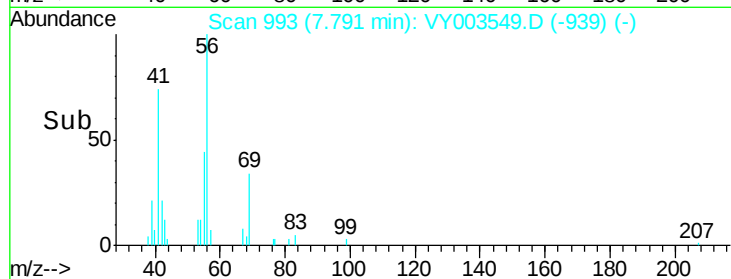
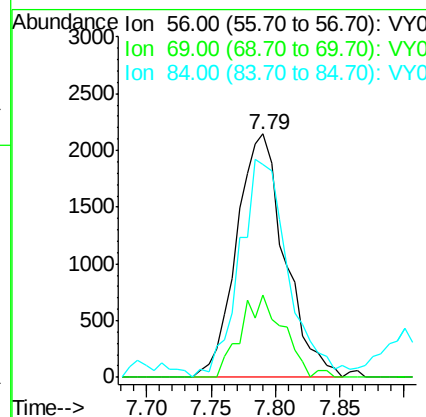
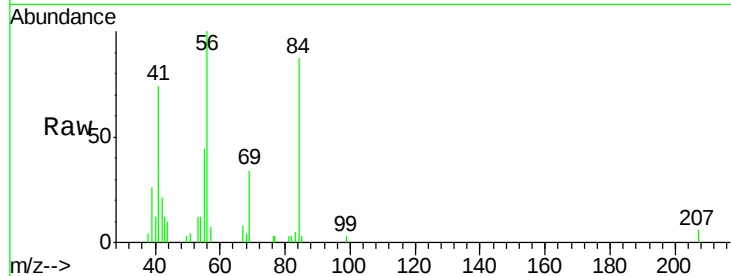
#30
Cvclohexane
Concen: 1.061 ug/L
RT: 7.79 min Scan# 993
Delta R.T. -0.00 min
Lab File: VY003549.D
Acq: 19 Nov 2020 15:50

Instrument :
MSVOA_Y
ClientSampleId :
MDL02

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.5	23.3	34.9
84	88.9	69.9	104.9

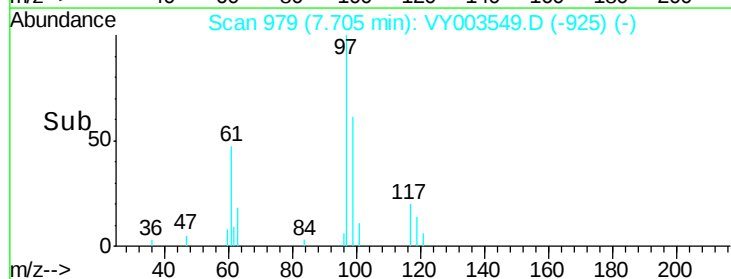
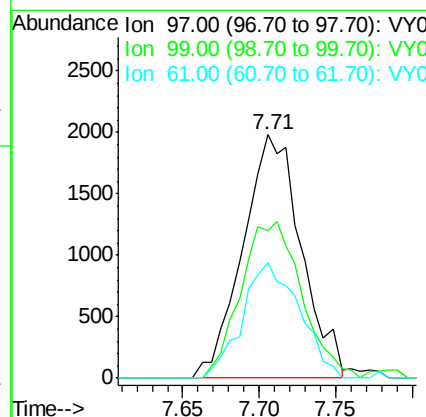
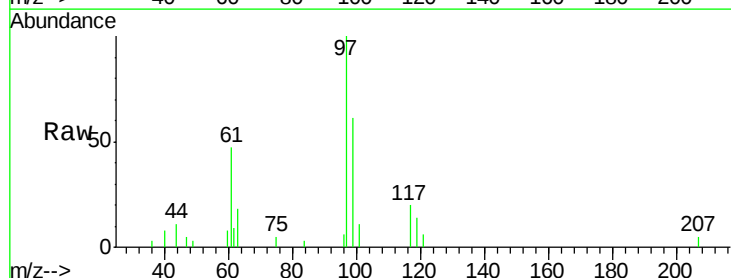
Manual Integrations
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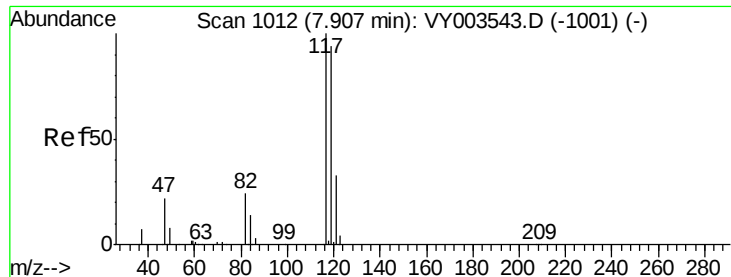
MMDadoda
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#31
1,1,1-Trichloroethane
Concen: 1.119 ug/L
RT: 7.71 min Scan# 979
Delta R.T. -0.00 min
Lab File: VY003549.D
Acq: 19 Nov 2020 15:50

Tgt Ion	Ratio	Lower	Upper
97	100		
61	46.3	34.9	52.3
117	66.9	52.1	78.1





#32

Carbon tetrachloride

Concen: 1.126 ug/L

RT: 7.91 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VY003549.D

Acq: 19 Nov 2020 15:50

Instrument :

MSVOA_Y

ClientSampleId :

MDL02

Tot Ion:117 Resp: 5040

Ion Ratio Lower Upper

117 100

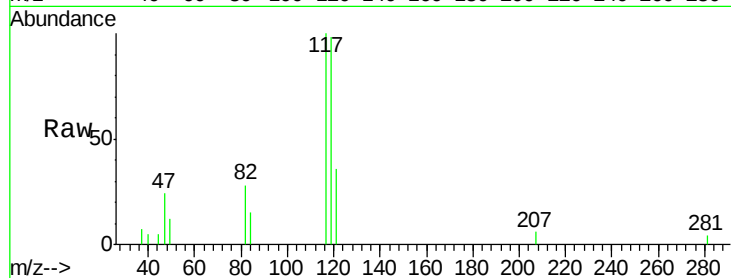
119 95.6 76.2 114.4

Manual Integrations

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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

7.91

2000

1500

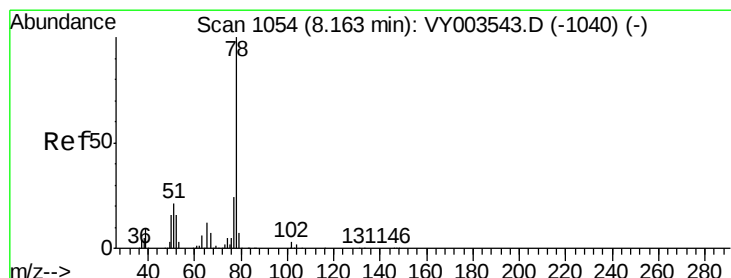
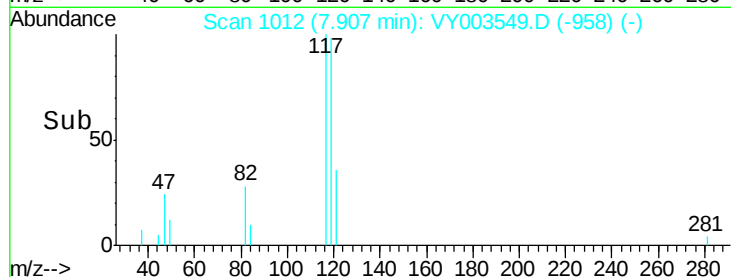
1000

500

0

7.85 7.90 7.95

Time-->



#34

Benzene

Concen: 1.184 ug/L

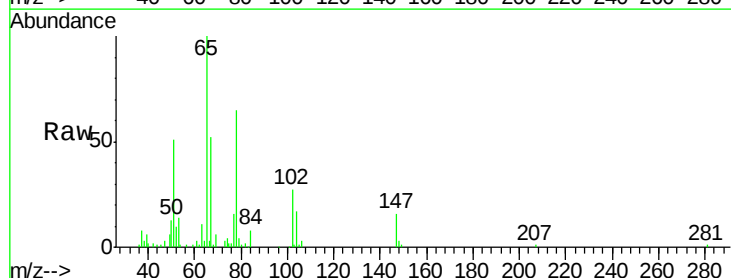
RT: 8.17 min Scan# 1055

Delta R.T. 0.01 min

Lab File: VY003549.D

Acq: 19 Nov 2020 15:50

Tgt Ion: 78 Resp: 16172



Abundance Ion 78.00 (77.70 to 78.70): VY0

8.17

8000

6000

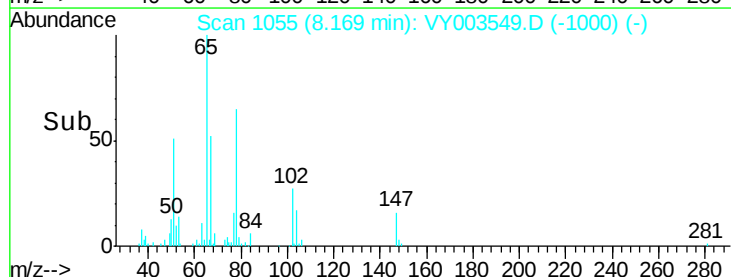
4000

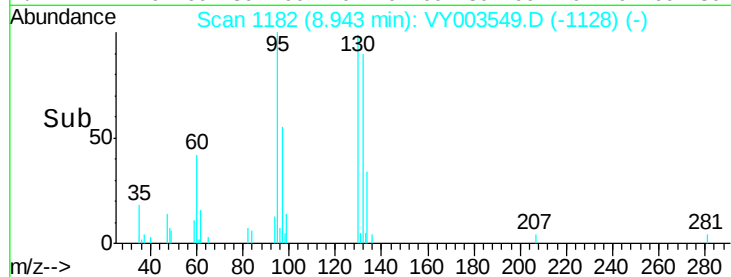
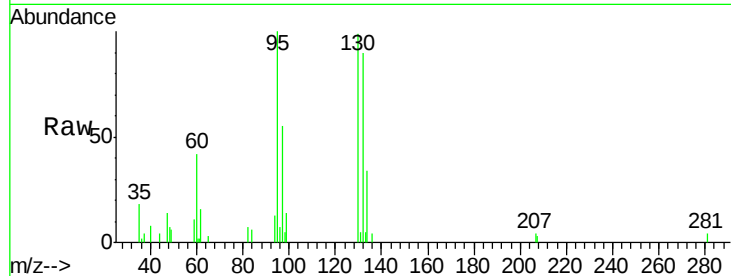
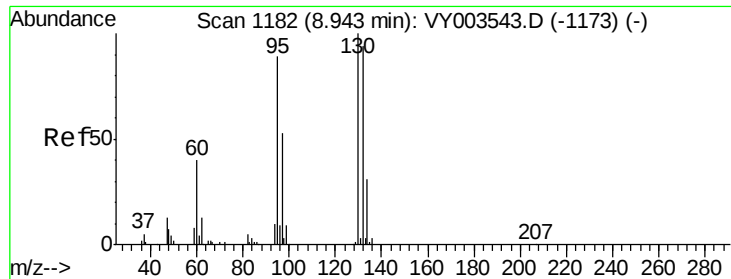
2000

0

8.10 8.15 8.20 8.25

Time-->





#35

Trichloroethene

Concen: 1.283 ug/L

RT: 8.94 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VY003549.D

Acq: 19 Nov 2020 15:50

Tot Ion	Ion	Ratio	Resp	Lower	Upper
95	100		4437		
97	59.2	44.5	82.7		
132	95.8	73.1	135.7		
130	101.4	76.1	141.3		

Instrument :

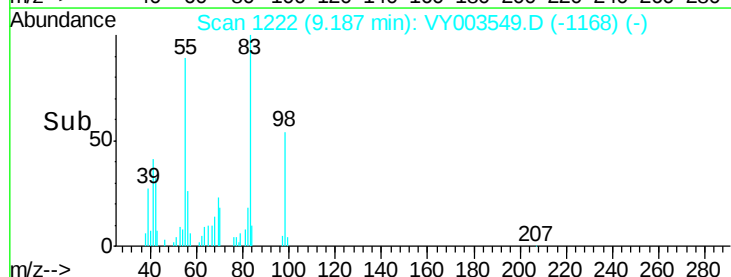
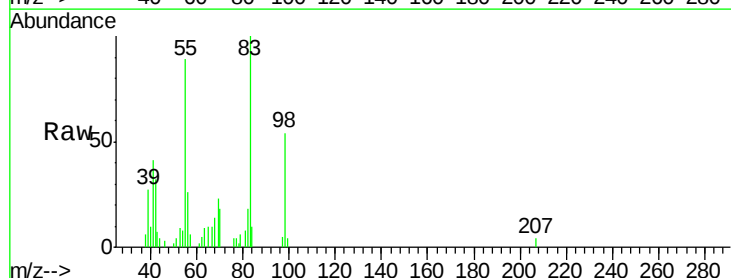
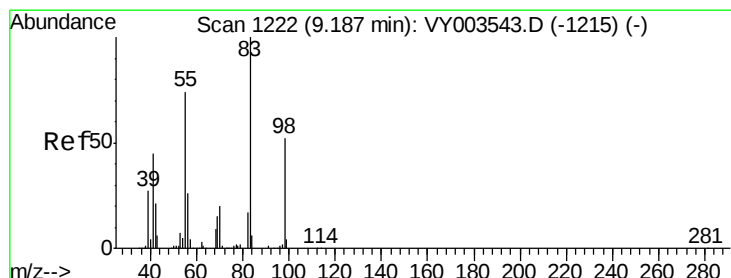
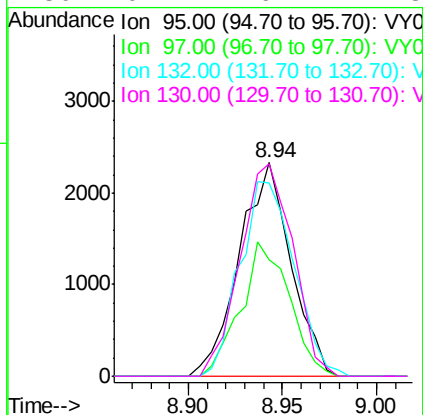
MSVOA_Y

ClientSampleId :

MDL02

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#36

Methylcyclohexane

Concen: 1.016 ug/L

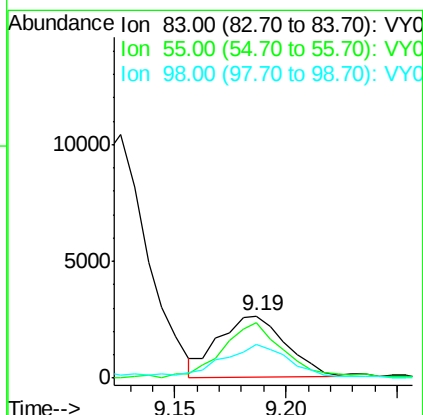
RT: 9.19 min Scan# 1222

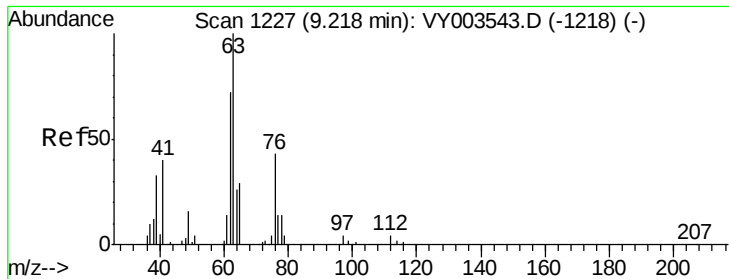
Delta R.T. -0.00 min

Lab File: VY003549.D

Acq: 19 Nov 2020 15:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		5493		
55	81.9	60.8	91.2		
98	54.9	40.6	61.0		





#40

1,2-Dichloropropane

Concen: 1.253 ug/L

RT: 9.22 min Scan# 1227

Delta R.T. -0.00 min

Lab File: VY003549.D

Acq: 19 Nov 2020 15:50

Instrument :

MSVOA_Y

ClientSampleId :

MDL02

Tot Ion: 63 Resp: 4220

Ion Ratio Lower Upper

63 100

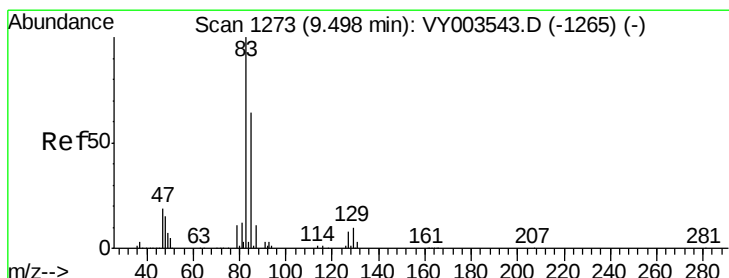
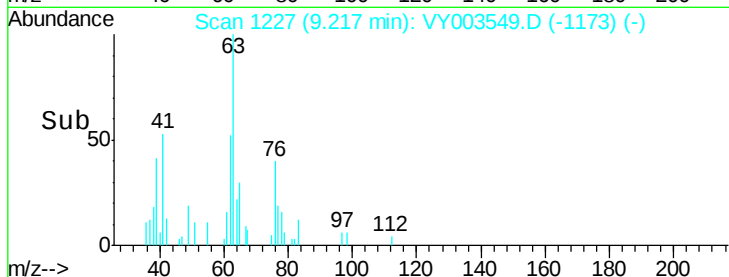
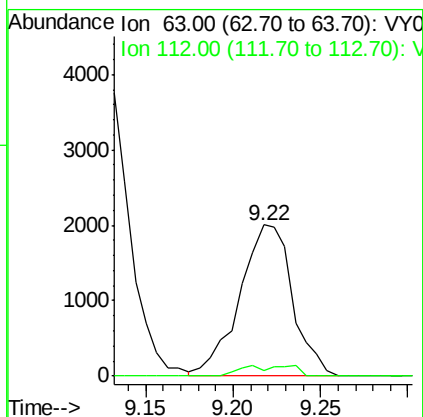
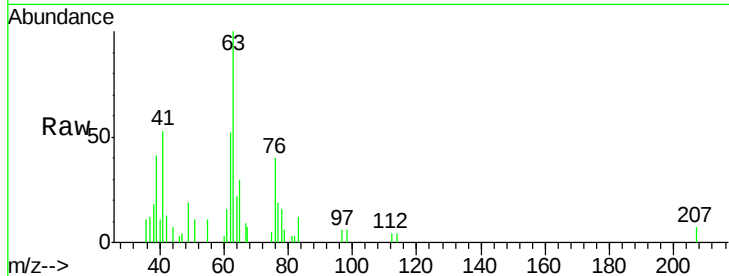
112 3.4 3.5 5.3#

Manual Integrations

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#41

Bromodichloromethane

Concen: 1.174 ug/L

RT: 9.50 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VY003549.D

Acq: 19 Nov 2020 15:50

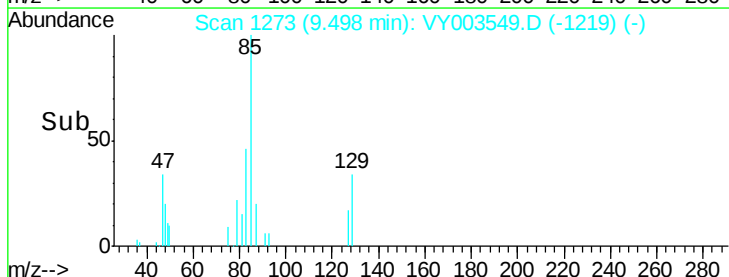
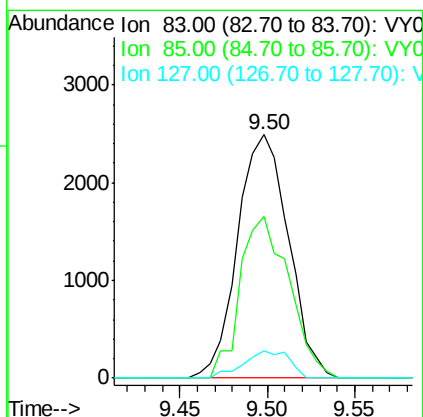
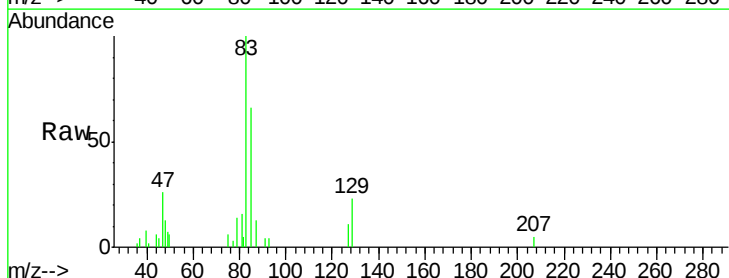
Tgt Ion: 83 Resp: 5048

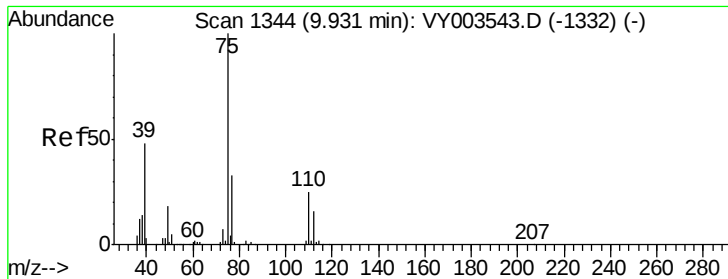
Ion Ratio Lower Upper

83 100

85 66.2 45.1 83.7

127 11.3 6.8 10.2#





#42

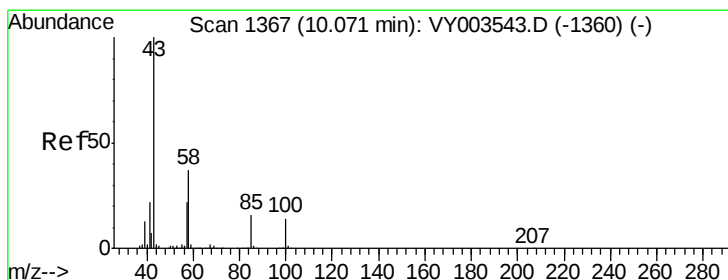
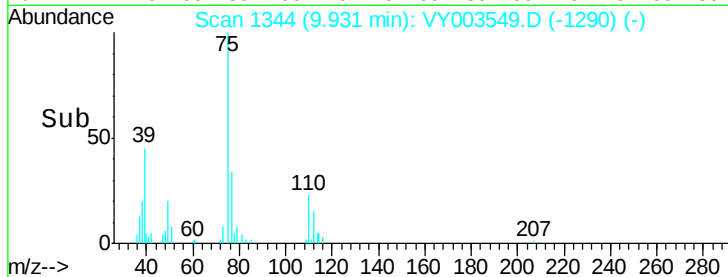
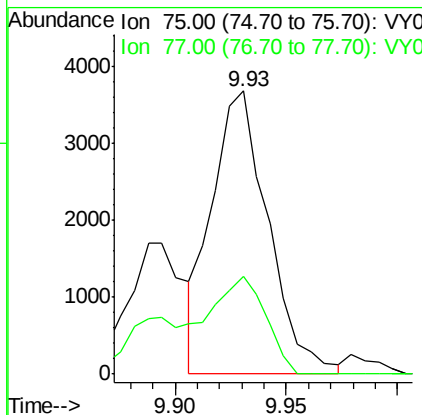
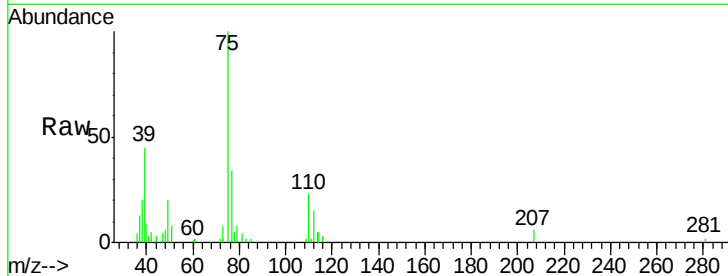
cis-1,3-Dichloropropene
 Concen: 1.221 ug/L
 RT: 9.93 min Scan# 1344
 Delta R.T. -0.00 min
 Lab File: VY003549.D
 Acq: 19 Nov 2020 15:50

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL02

Tot Ion	Ratio	Lower	Upper
75	100		
77	34.5	23.2	43.0

Manual Integrations
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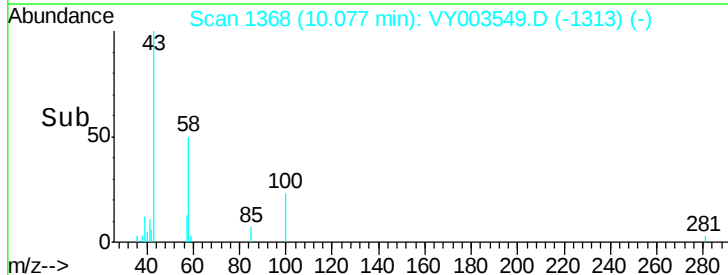
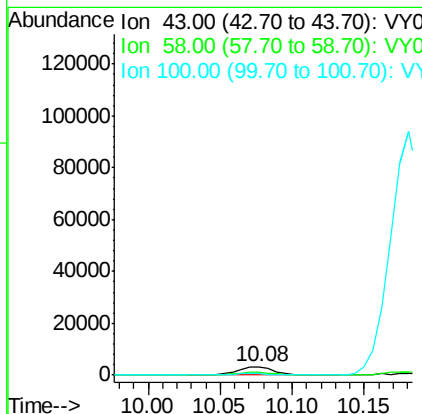
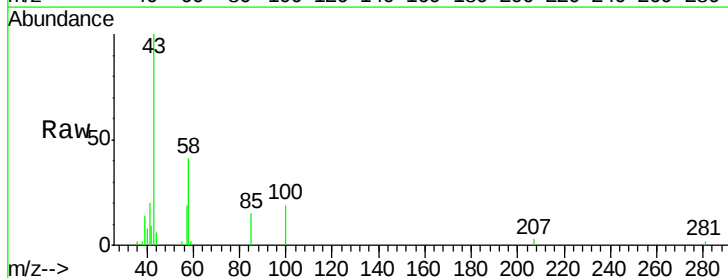
MMDadoda
 11/20/2020 10:22:43 AM

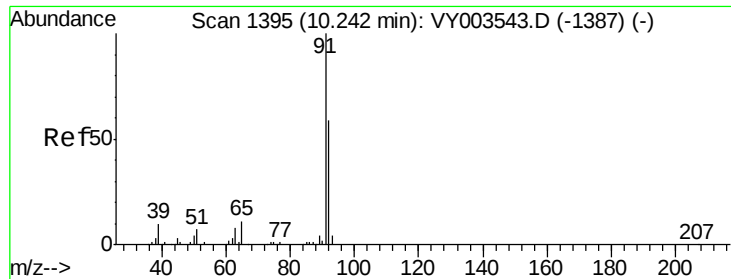


#43

4-Methyl-2-pentanone
 Concen: 2.222 ug/L
 RT: 10.08 min Scan# 1368
 Delta R.T. 0.01 min
 Lab File: VY003549.D
 Acq: 19 Nov 2020 15:50

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.0	30.2	45.2
100	16.0	11.7	17.5





#44

Toluene

Concen: 1.177 ug/L

RT: 10.25 min Scan# 1396

Delta R.T. 0.01 min

Lab File: VY003549.D

Acq: 19 Nov 2020 15:50

Instrument :

MSVOA_Y

ClientSampleId :

MDL02

Tot Ion: 91 Resp: 16948

Ion Ratio Lower Upper

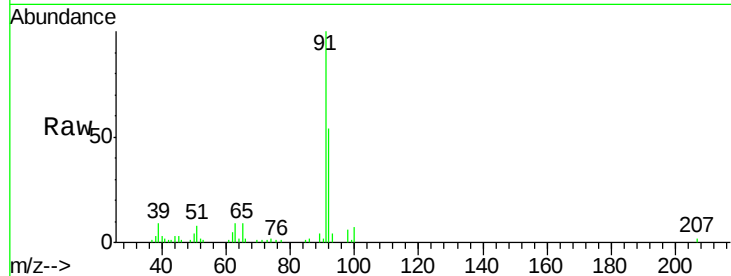
91 100

92 54.0 41.0 76.2

Manual Integrations
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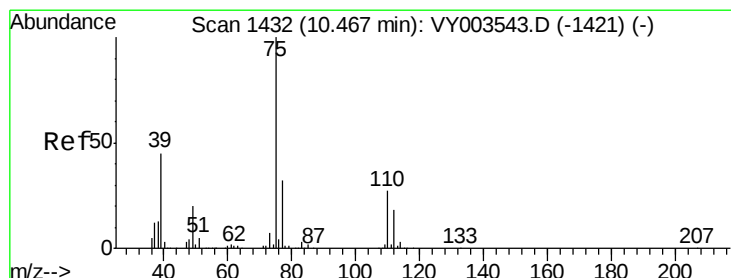
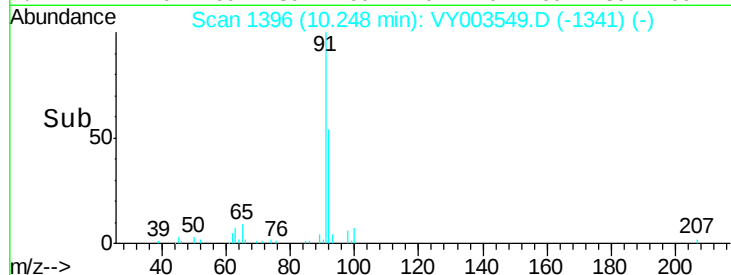
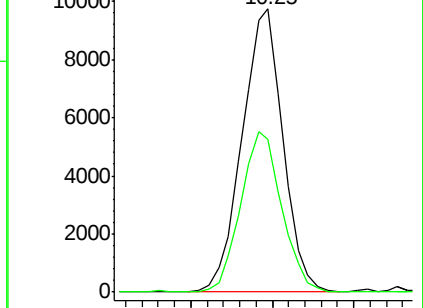
MMDadoda

11/20/2020 10:22:43 AM



Abundance Ion 91.00 (90.70 to 91.70): VY003543.D (-1387) (-)

Ion 92.00 (91.70 to 92.70): VY003543.D (-1387) (-)



#45

trans-1,3-Dichloropropene

Concen: 1.491 ug/L

RT: 10.46 min Scan# 1431

Delta R.T. -0.01 min

Lab File: VY003549.D

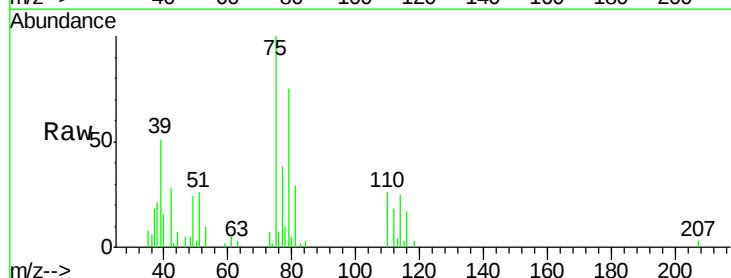
Acq: 19 Nov 2020 15:50

Tgt Ion: 75 Resp: 7292

Ion Ratio Lower Upper

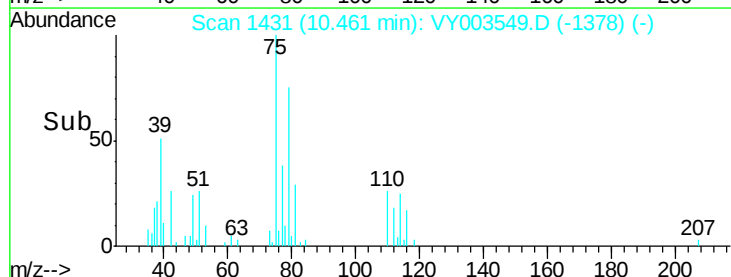
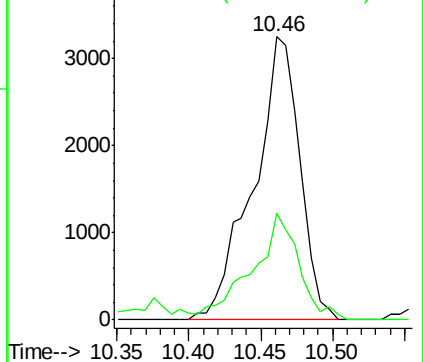
75 100

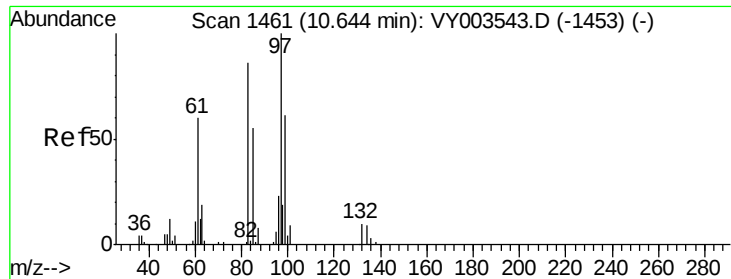
77 37.7 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VY003543.D (-1421) (-)

Ion 77.00 (76.70 to 77.70): VY003543.D (-1421) (-)





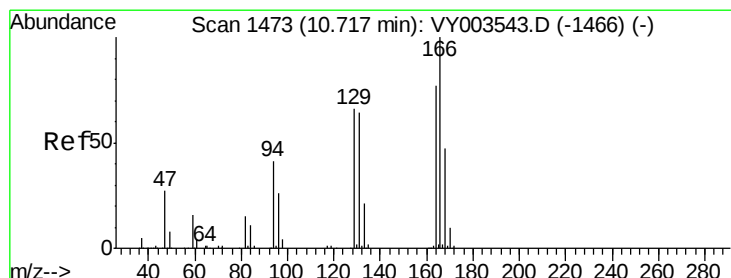
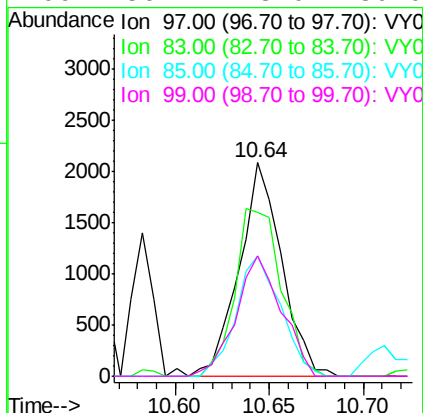
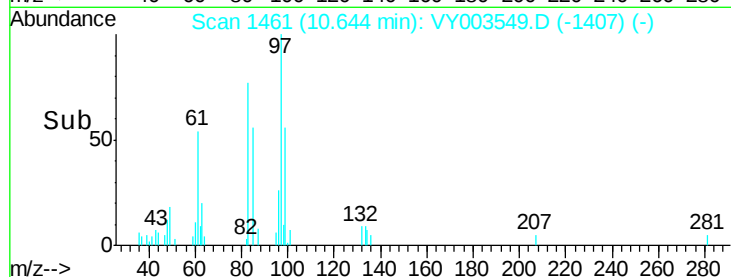
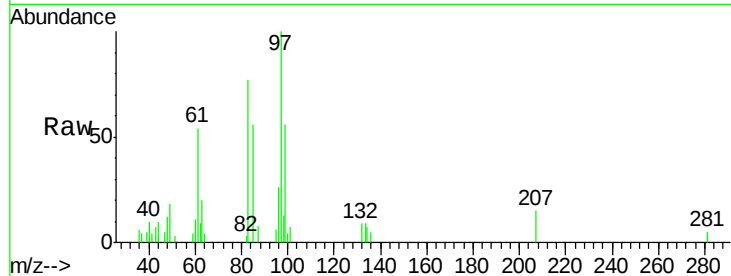
#46
 1,1,2-Trichloroethane
 Concen: 1.209 ug/L
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.00 min
 Lab File: VY003549.D
 Acq: 19 Nov 2020 15:50

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL02

Tot Ion:	97	Resp:	3252
Ion	Ratio	Lower	Upper
97	100		
83	76.8	60.1	111.5
85	56.3	38.9	72.2
99	56.4	43.0	80.0

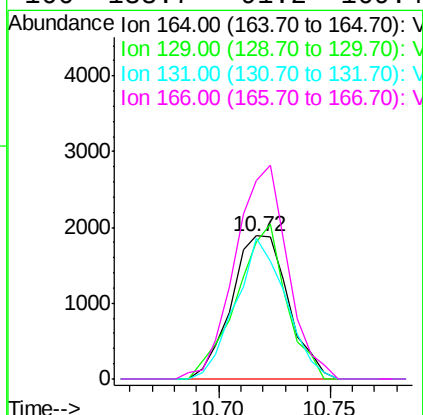
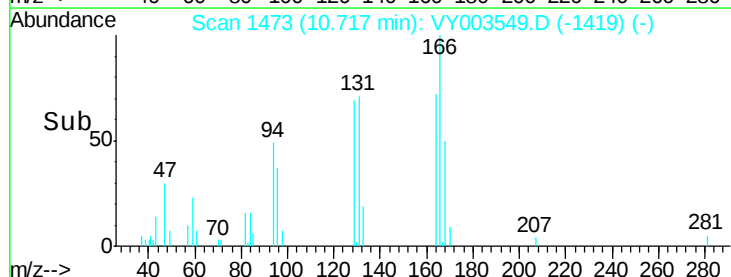
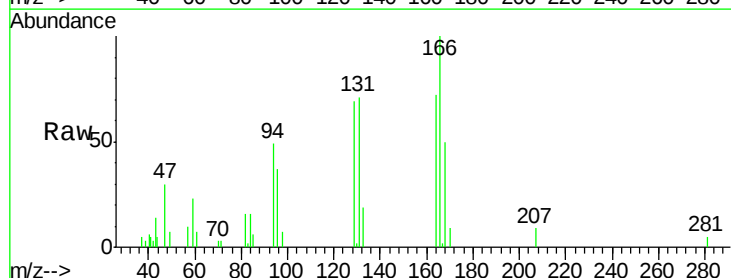
Manual Integrations
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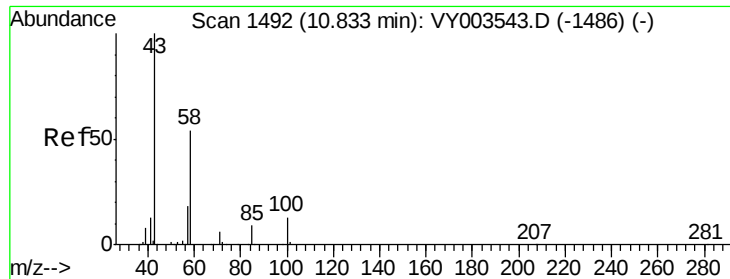
MMDadoda
 11/20/2020 10:22:43 AM



#47
 Tetrachloroethene
 Concen: 1.123 ug/L
 RT: 10.72 min Scan# 1473
 Delta R.T. -0.00 min
 Lab File: VY003549.D
 Acq: 19 Nov 2020 15:50

Tgt Ion:	164	Resp:	3377
Ion	Ratio	Lower	Upper
164	100		
129	95.8	60.6	112.6
131	98.6	58.7	109.1
166	138.7	91.2	169.4





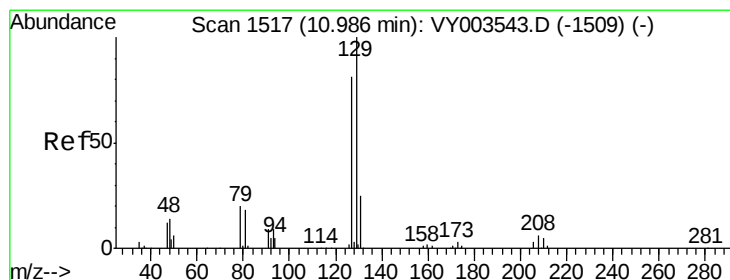
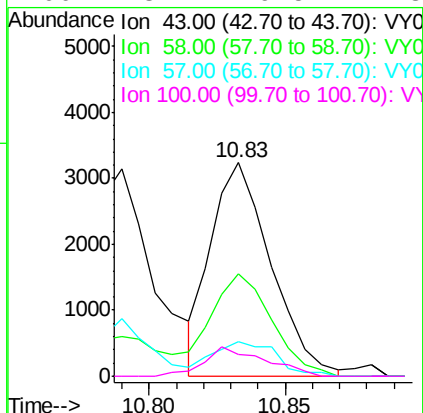
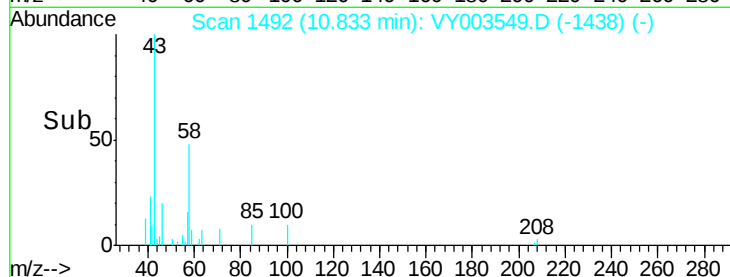
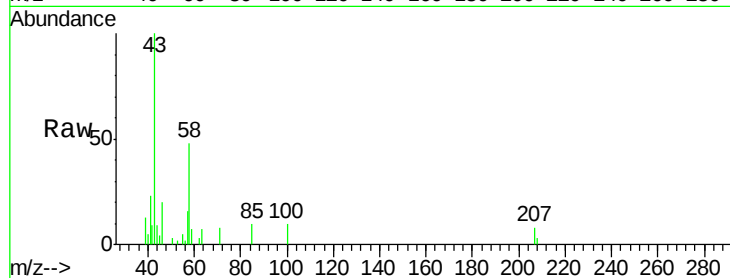
#49
2-Hexanone
Concen: 2.223 ug/L
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY003549.D
Acq: 19 Nov 2020 15:50

Instrument :
MSVOA_Y
ClientSampled :
MDL02

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
58	50.1	42.1	63.1	
57	17.4	14.2	21.2	
100	13.7	9.5	14.3	

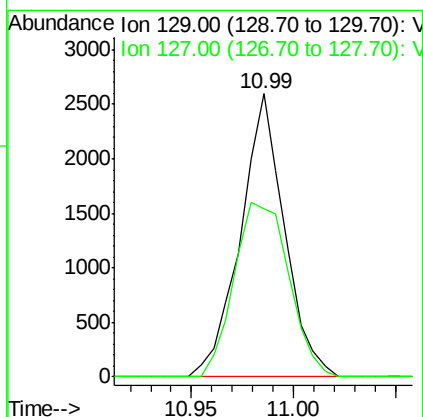
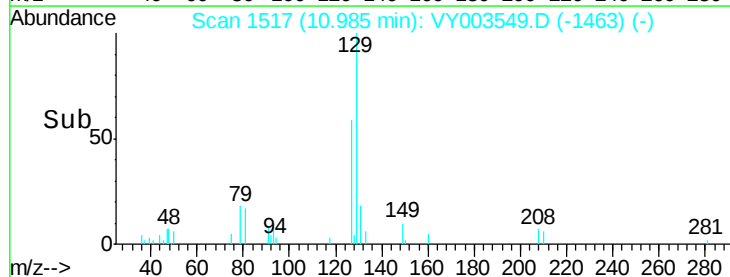
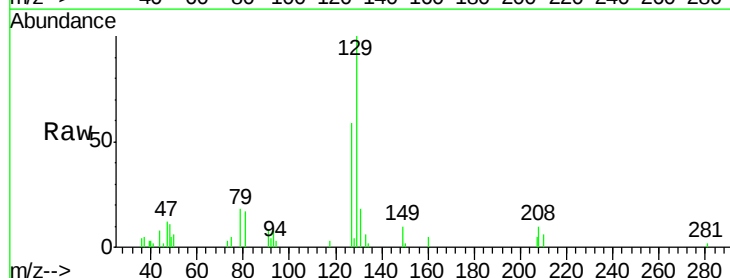
Manual Integrations
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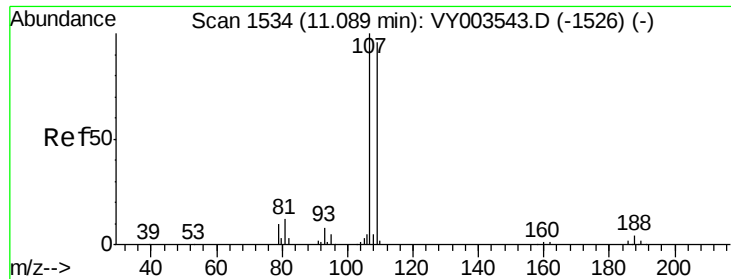
MMDadoda
11/20/2020 10:22:43 AM



#50
Dibromochloromethane
Concen: 1.198 ug/L
RT: 10.99 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY003549.D
Acq: 19 Nov 2020 15:50

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	59.5	56.6	105.0	





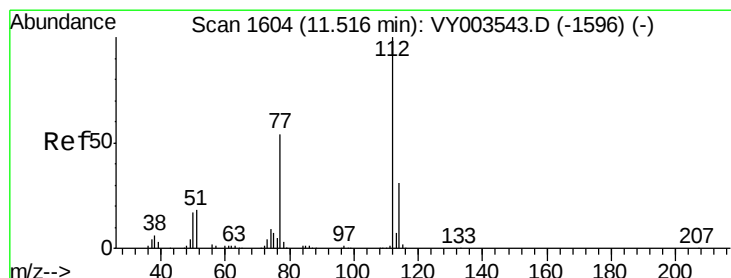
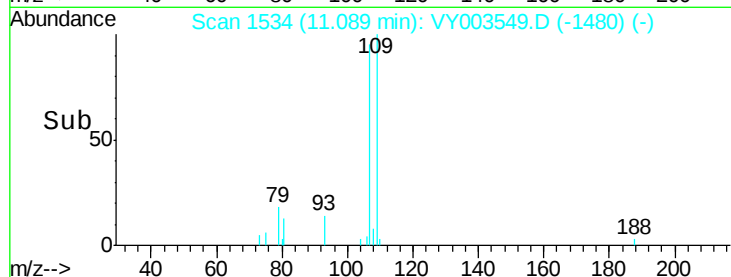
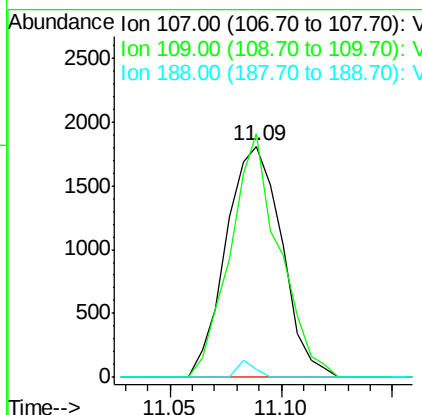
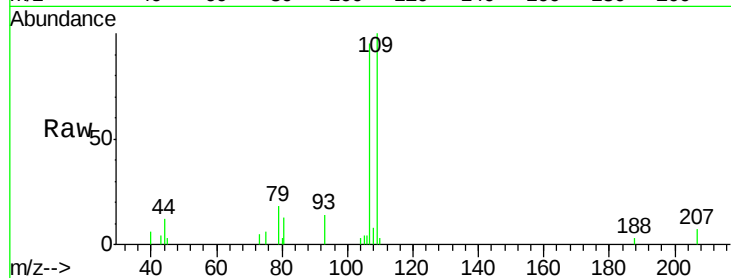
#51
 1,2-Dibromoethane
 Concen: 1.173 ug/L
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VY003549.D
 Acq: 19 Nov 2020 15:50

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL02

Tot Ion	Ratio	Lower	Upper
107	100		
109	105.4	66.8	124.2
188	3.3	3.3	4.9

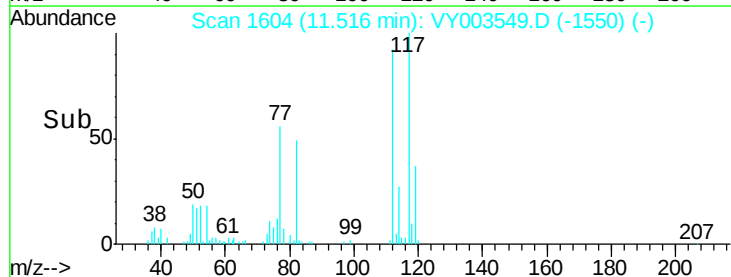
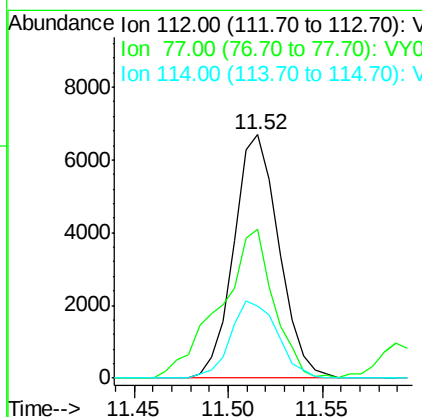
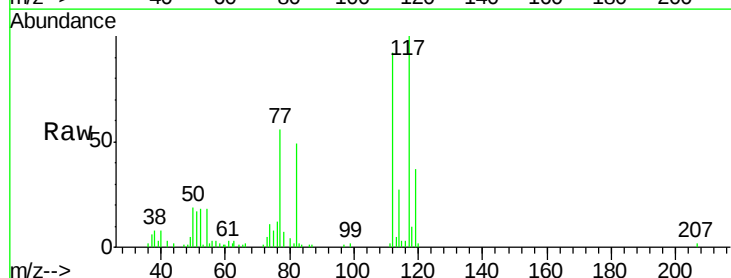
Manual Integrations
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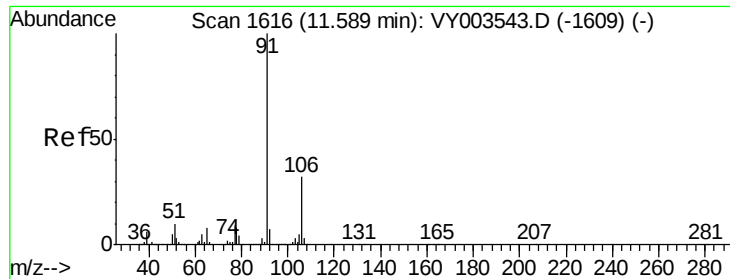
MMDadoda
 11/20/2020 10:22:43 AM



#52
 Chlorobenzene
 Concen: 1.210 ug/L
 RT: 11.52 min Scan# 1604
 Delta R.T. -0.00 min
 Lab File: VY003549.D
 Acq: 19 Nov 2020 15:50

Tgt Ion	Ratio	Lower	Upper
112	100		
77	61.3	43.3	64.9
114	29.4	21.9	40.7





#53

Ethylbenzene

Concen: 1.035 ug/L

RT: 11.59 min Scan# 1617

Delta R.T. 0.01 min

Lab File: VY003549.D

Acq: 19 Nov 2020 15:50

Instrument :

MSVOA_Y

ClientSampleId :

MDL02

Tot Ion: 91 Resp: 15308

Ion Ratio Lower Upper

91 100

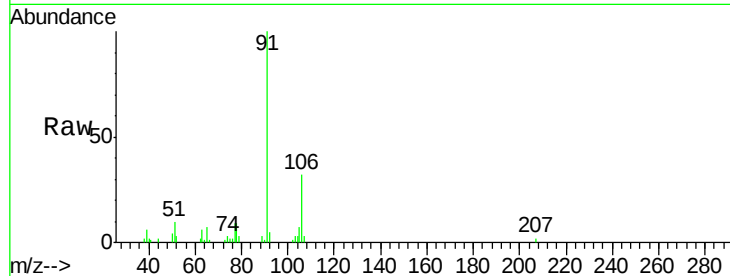
106 31.6 22.5 41.7

Manual Integrations

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

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

11.59

10000

8000

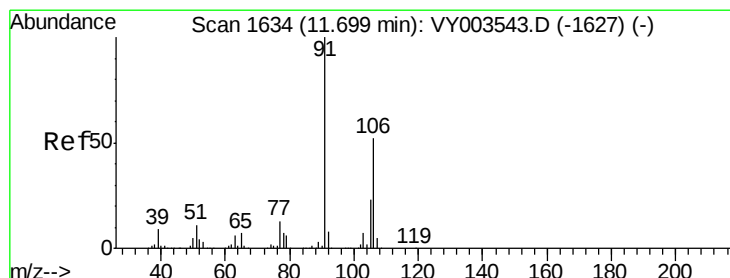
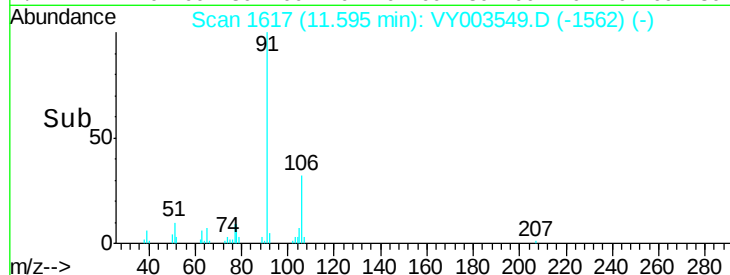
6000

4000

2000

0

Time-->



#54

m,p-Xylene

Concen: 1.033 ug/L

RT: 11.70 min Scan# 1634

Delta R.T. -0.00 min

Lab File: VY003549.D

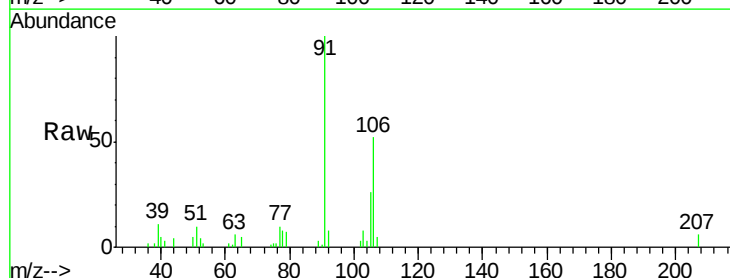
Acq: 19 Nov 2020 15:50

Tgt Ion: 106 Resp: 5880

Ion Ratio Lower Upper

106 100

91 193.1 135.6 251.8



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

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

11.70

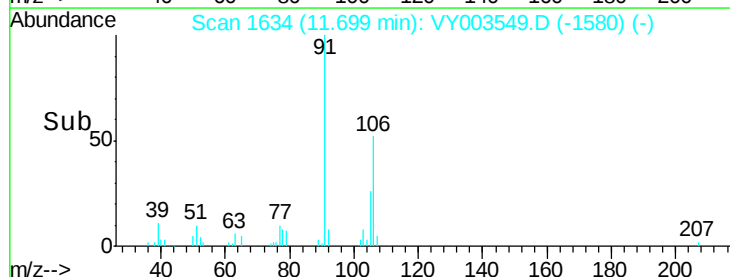
6000

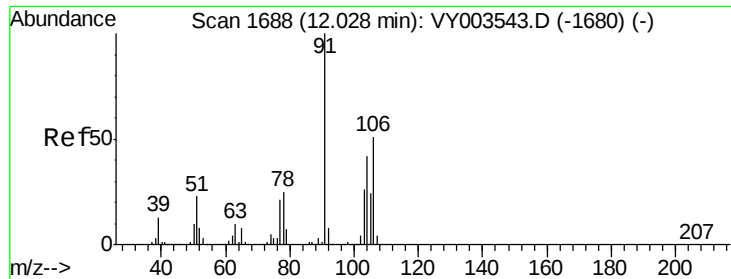
4000

2000

0

Time-->





#55

o-xylene

Concen: 1.025 ug/L

RT: 12.03 min Scan# 1688

Delta R.T. -0.00 min

Lab File: VY003549.D

Acq: 19 Nov 2020 15:50

Instrument :

MSVOA_Y

ClientSampleId :

MDL02

Tot Ion:106 Resp: 4869

Ion Ratio Lower Upper

106 100

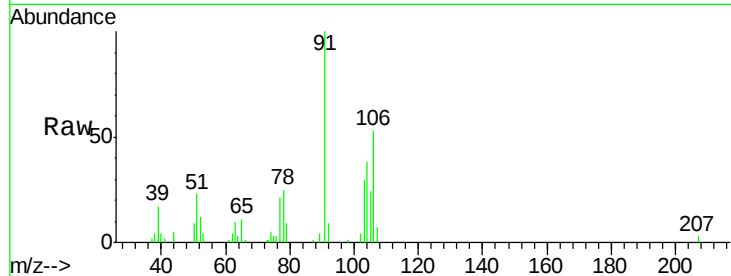
91 187.1 138.3 256.8

Manual Integrations

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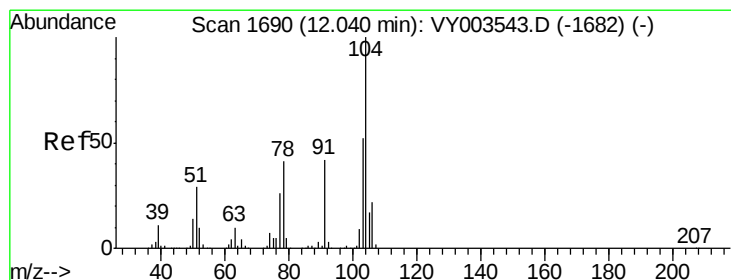
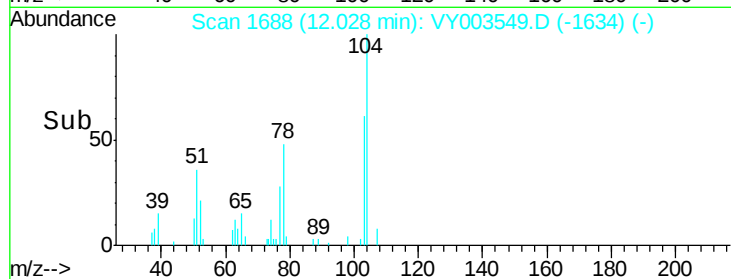
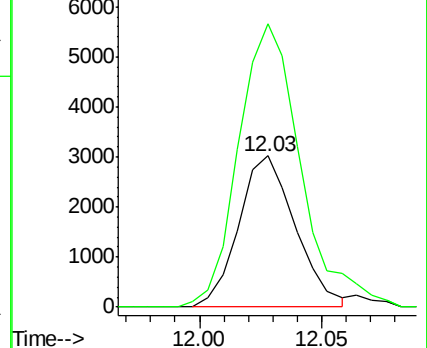
MMDadoda

11/20/2020 10:22:43 AM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#56

Styrene

Concen: 1.022 ug/L

RT: 12.04 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VY003549.D

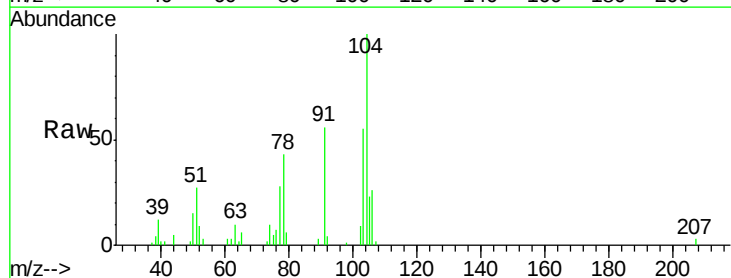
Acq: 19 Nov 2020 15:50

Tgt Ion:104 Resp: 9512

Ion Ratio Lower Upper

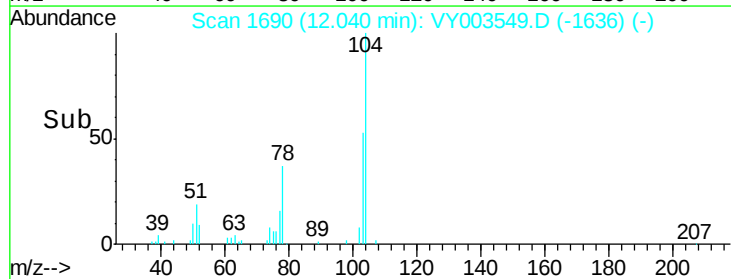
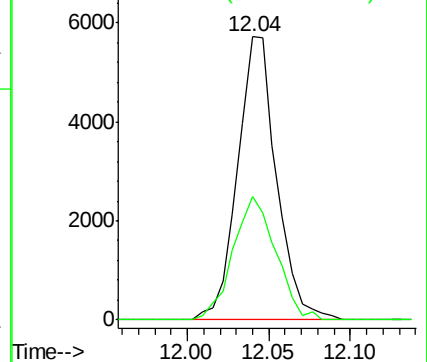
104 100

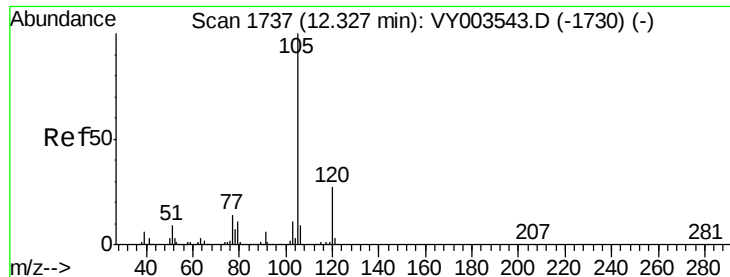
78 43.4 28.8 53.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VY0





#57

Isopropylbenzene

Concen: 1.016 ug/L

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY003549.D

Acq: 19 Nov 2020 15:50

Instrument :

MSVOA_Y

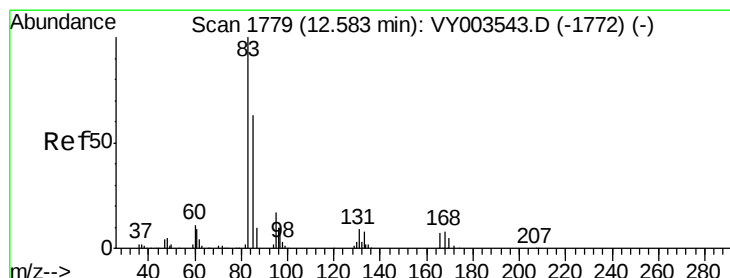
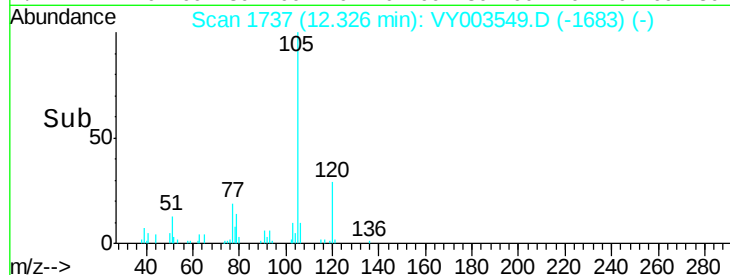
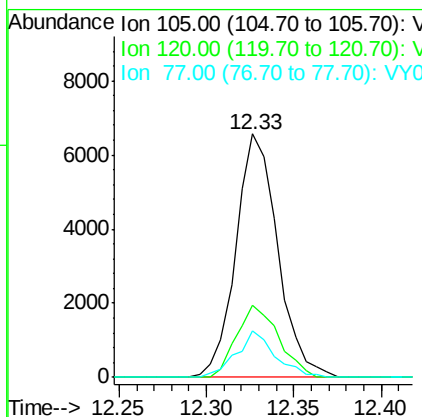
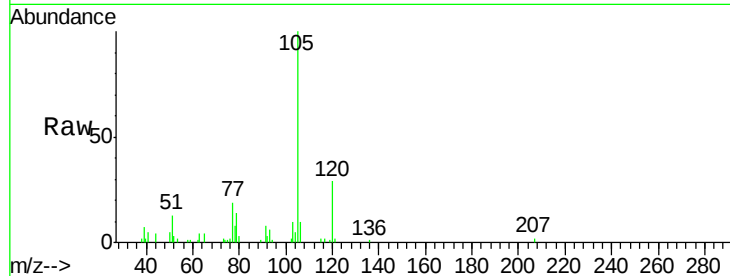
ClientSampleId :

MDL02

Tot Ion:	105	Resp:	10930
Ion Ratio	Lower	Upper	
105	100		
120	29.6	21.7	32.5
77	17.6	12.1	18.1

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#58

1,1,2,2-Tetrachloroethane

Concen: 1.205 ug/L

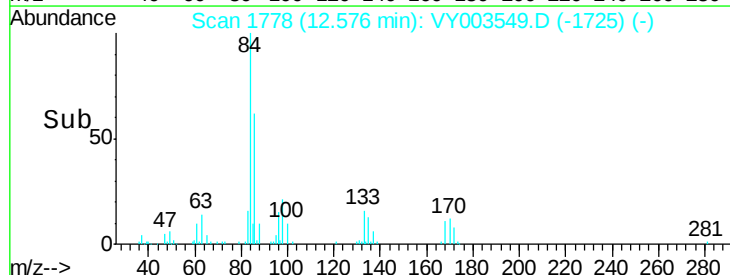
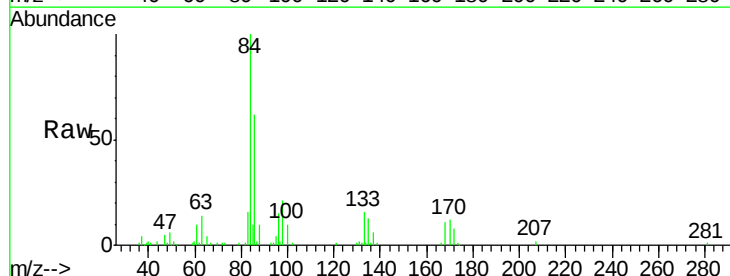
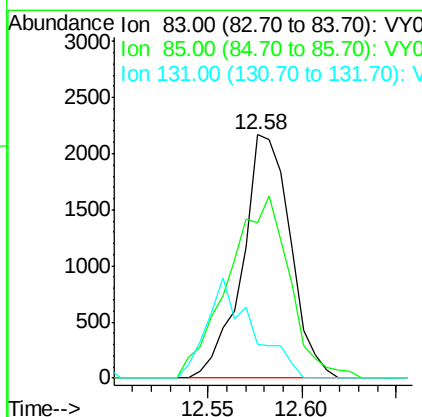
RT: 12.58 min Scan# 1778

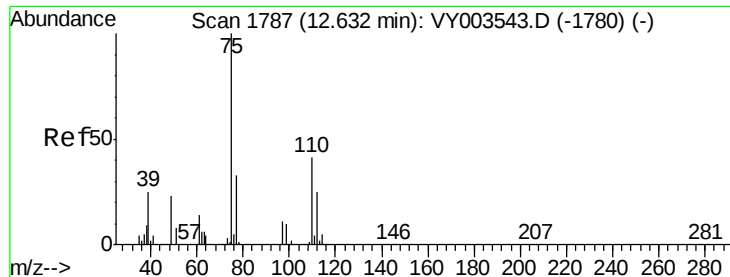
Delta R.T. -0.01 min

Lab File: VY003549.D

Acq: 19 Nov 2020 15:50

Tgt Ion:	83	Resp:	3825
Ion Ratio	Lower	Upper	
83	100		
85	63.9	44.8	83.2
131	13.7	7.3	10.9#





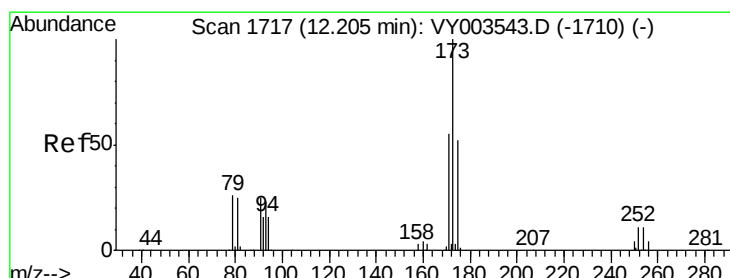
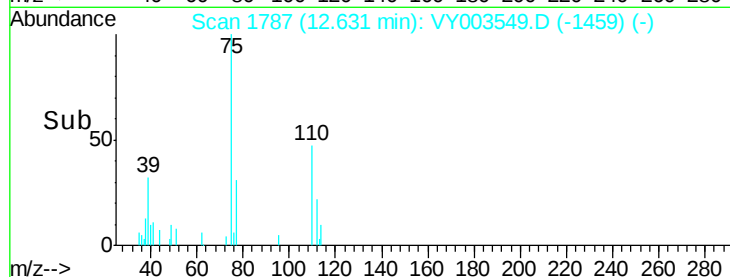
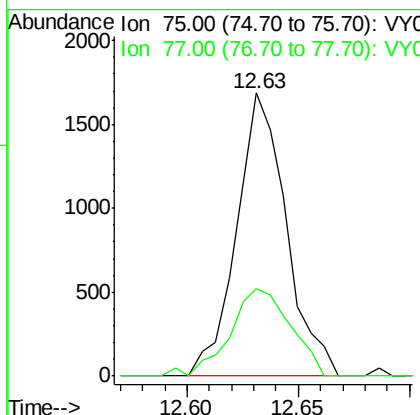
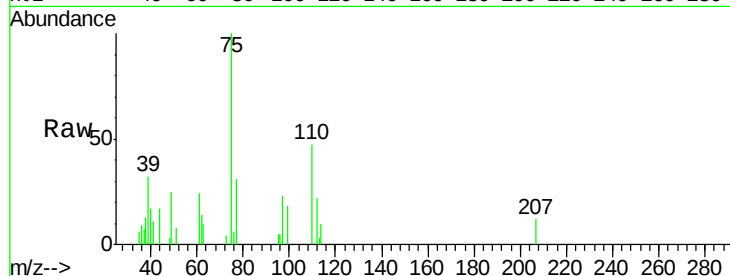
#59
 1,2,3-Trichloropropane
 Concen: 1.063 ug/L
 RT: 12.63 min Scan# 1787
 Delta R.T. -0.00 min
 Lab File: VY003549.D
 Acq: 19 Nov 2020 15:50

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL02

Tot Ion: 75 Resp: 2627
 Ion Ratio Lower Upper
 75 100
 77 36.8 26.2 39.2

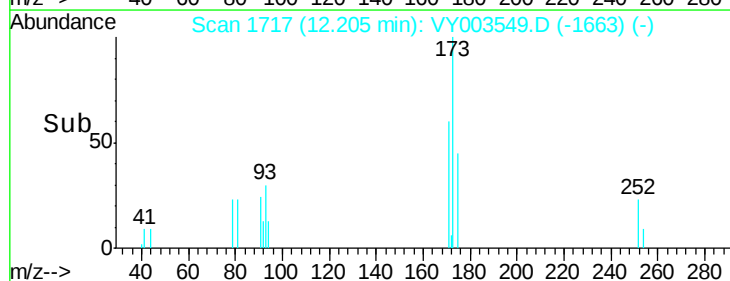
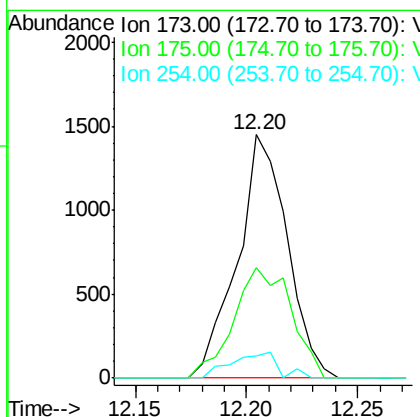
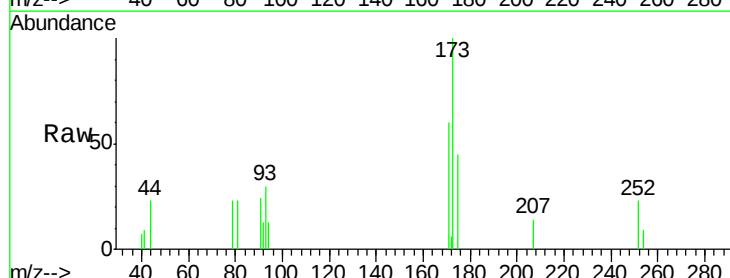
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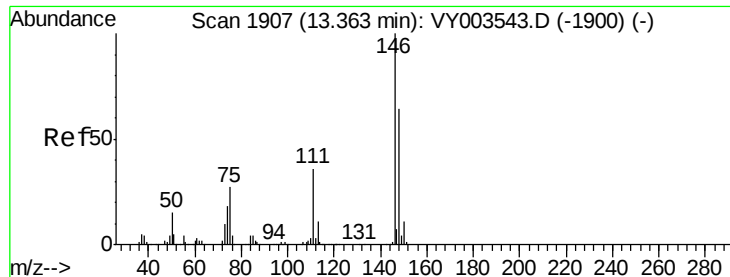
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#62
 Bromoform
 Concen: 1.098 ug/L
 RT: 12.20 min Scan# 1717
 Delta R.T. -0.00 min
 Lab File: VY003549.D
 Acq: 19 Nov 2020 15:50

Tgt Ion: 173 Resp: 2264
 Ion Ratio Lower Upper
 173 100
 175 52.2 39.5 59.3
 254 9.0 8.6 12.8





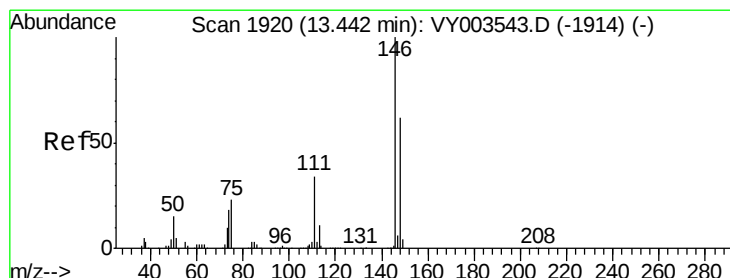
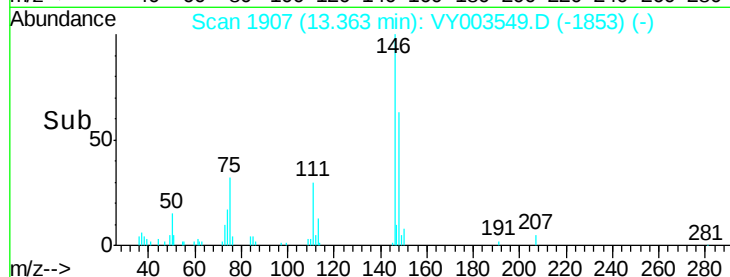
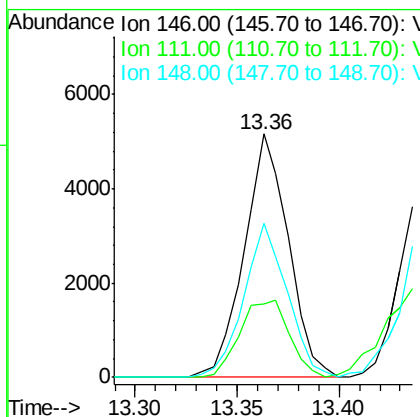
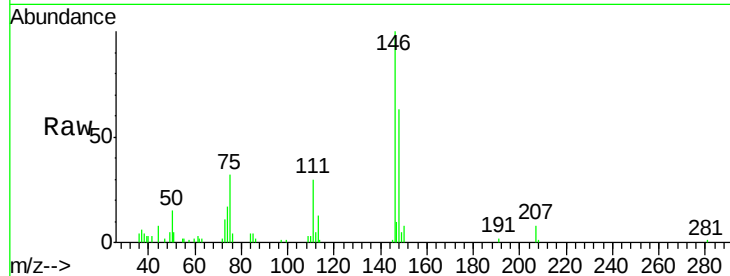
#63
 1,3-Dichlorobenzene
 Concen: 1.211 ug/L
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY003549.D
 Acq: 19 Nov 2020 15:50

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL02

Tot Ion	Ratio	Lower	Upper
146	100		
111	30.3	25.1	46.5
148	63.1	44.7	82.9

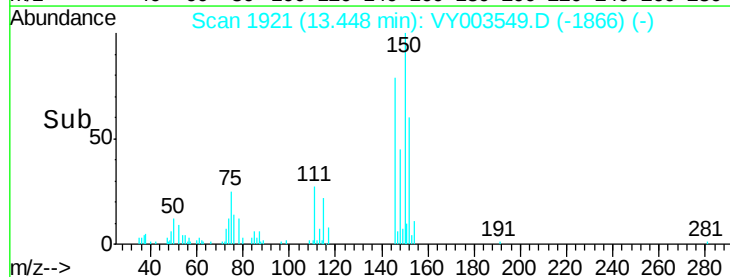
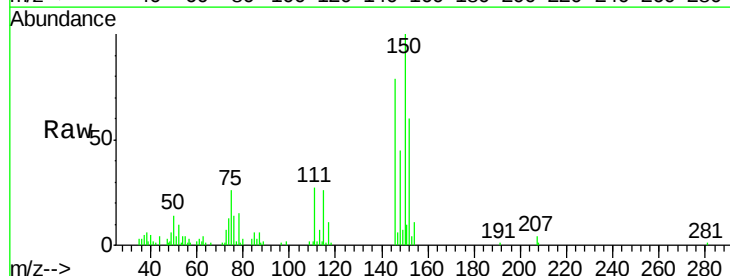
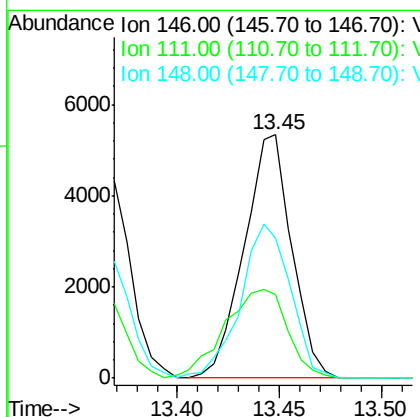
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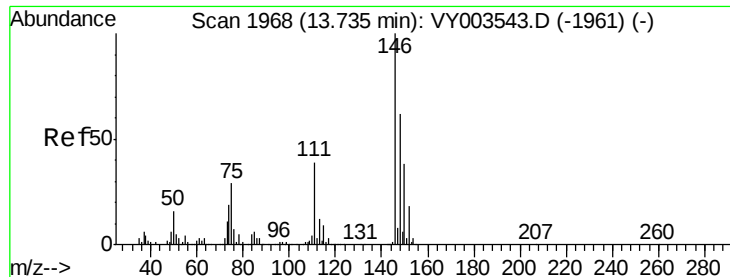
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#64
 1,4-Dichlorobenzene
 Concen: 1.311 ug/L
 RT: 13.45 min Scan# 1921
 Delta R.T. 0.01 min
 Lab File: VY003549.D
 Acq: 19 Nov 2020 15:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.2	24.1	44.8
148	57.5	43.6	81.0





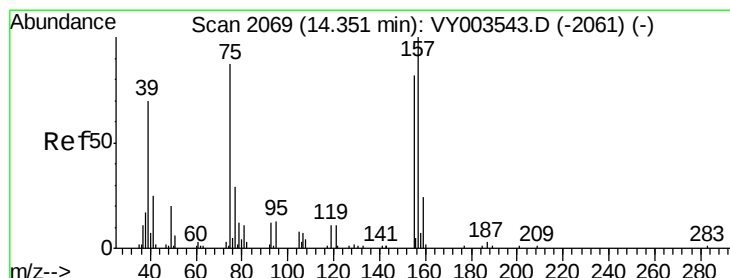
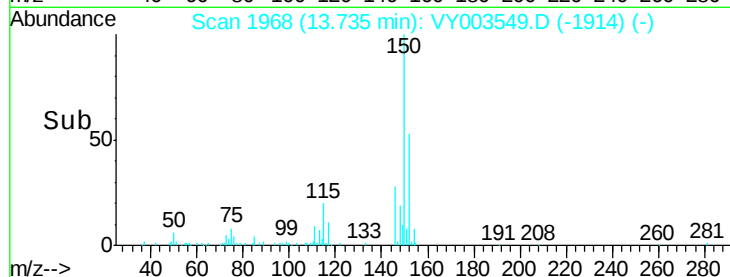
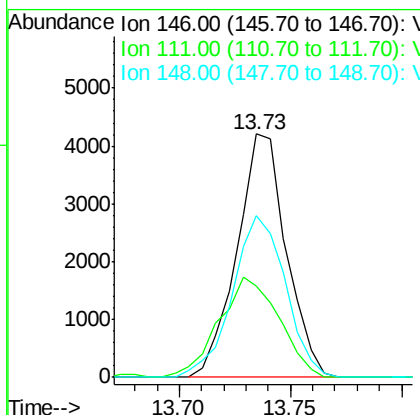
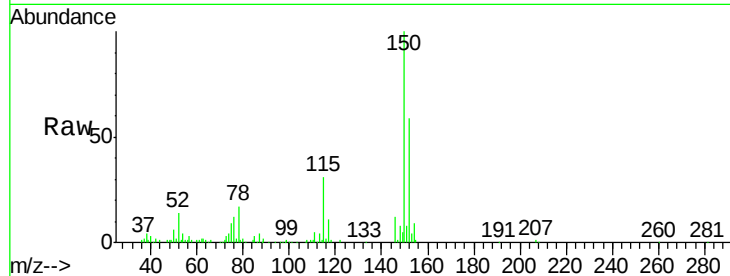
#65
 1,2-Dichlorobenzene
 Concen: 1.233 ug/L
 RT: 13.73 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VY003549.D
 Acq: 19 Nov 2020 15:50

Instrument :
 MSVOA_Y
 ClientSampled :
 MDL02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	31.0	46.6
148	66.5	49.8	74.8

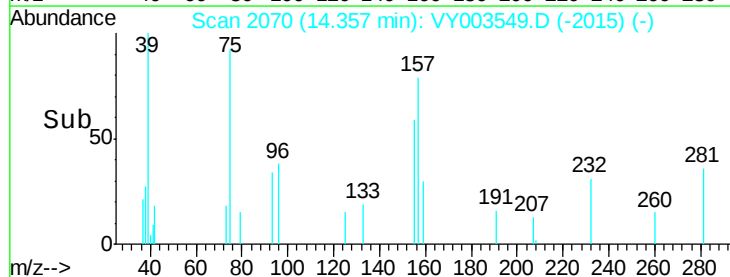
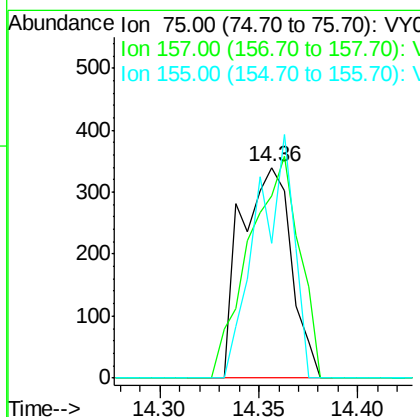
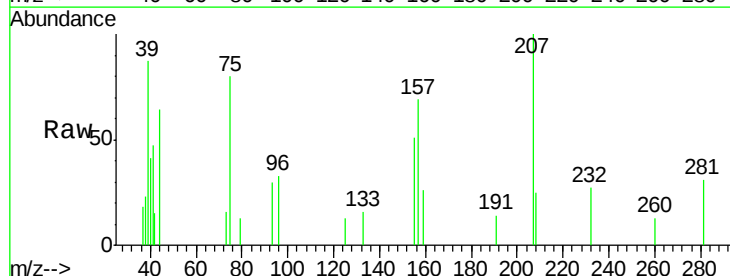
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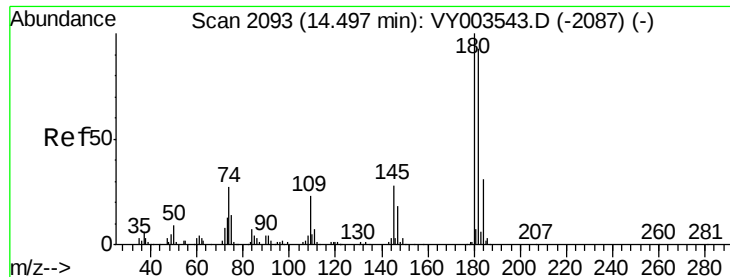
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#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.333 ug/L m
 RT: 14.36 min Scan# 2070
 Delta R.T. 0.01 min
 Lab File: VY003549.D
 Acq: 19 Nov 2020 15:50

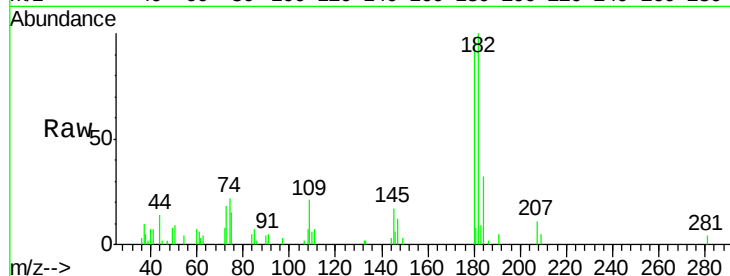
Tgt Ion	Ratio	Lower	Upper
75	100		
157	86.5	91.8	137.6#
155	64.1	75.7	113.5#





#67
 1,3,5-Trichlorobenzene
 Concen: 1.149 ug/L
 RT: 14.50 min Scan# 2094
 Delta R.T. 0.01 min
 Lab File: VY003549.D
 Acq: 19 Nov 2020 15:50

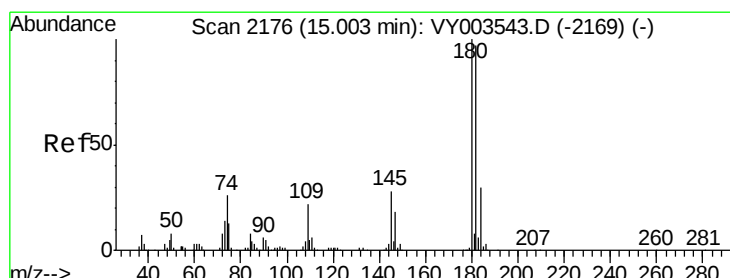
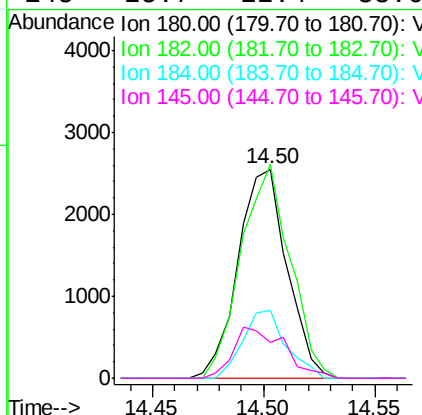
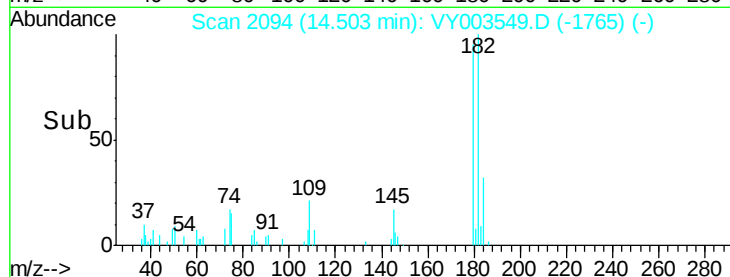
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL02



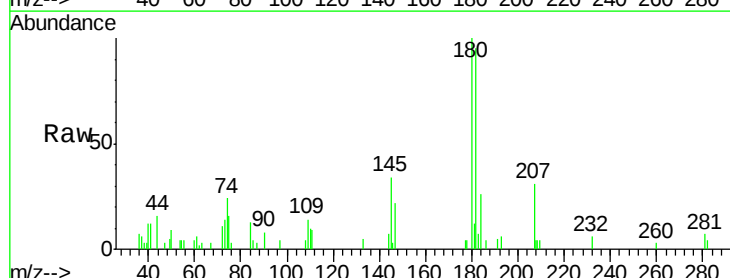
Tot Ion	Ratio	Lower	Upper
180	100		
182	102.3	77.3	115.9
184	28.7	24.4	36.6
145	25.7	22.4	33.6

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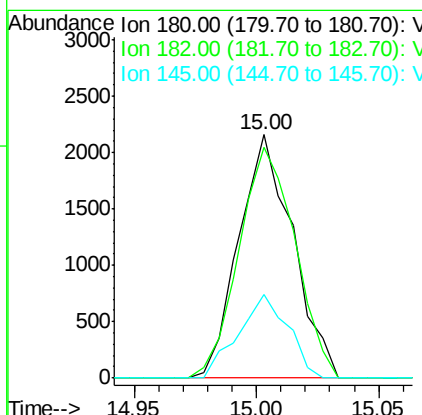
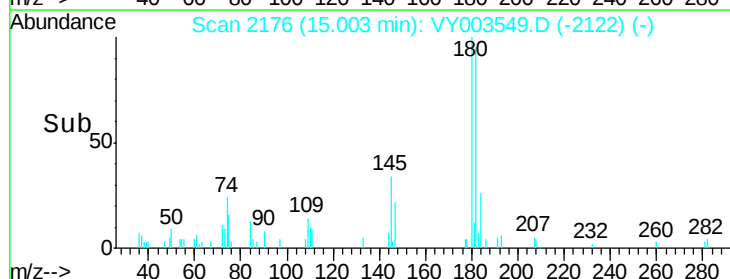
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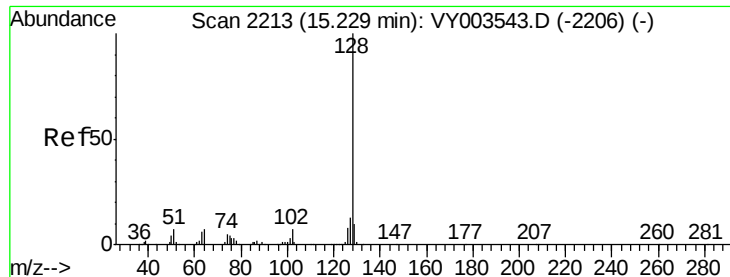


#68
 1,2,4-trichlorobenzene
 Concen: 1.137 ug/L
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VY003549.D
 Acq: 19 Nov 2020 15:50



Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.4	76.5	114.7
145	31.5	22.8	34.2





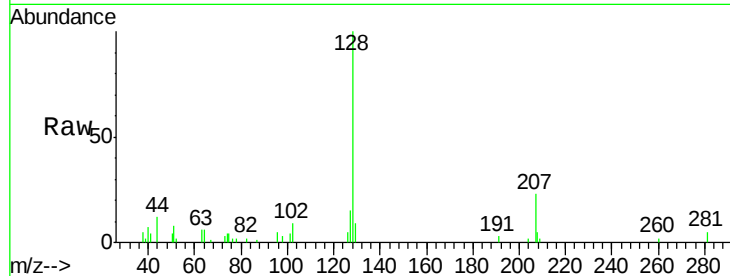
#69
Naphthalene
Concen: 1.094 ug/L
RT: 15.23 min Scan# 2214
Delta R.T. 0.01 min
Lab File: VY003549.D
Acq: 19 Nov 2020 15:50

Instrument :
MSVOA_Y
ClientSampleId :
MDL02

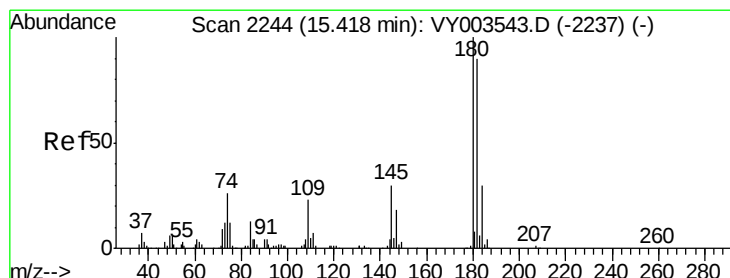
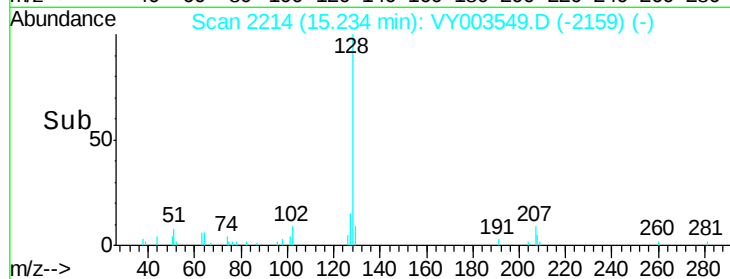
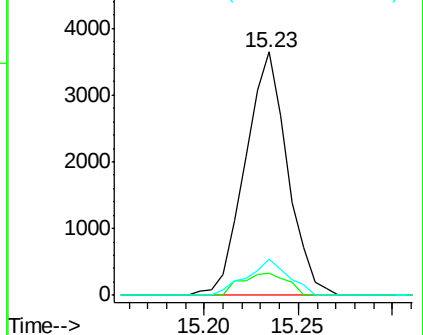
Tot Ion	Ratio	Lower	Upper
128	100		
129	9.8	8.5	12.7
127	14.8	10.2	15.2

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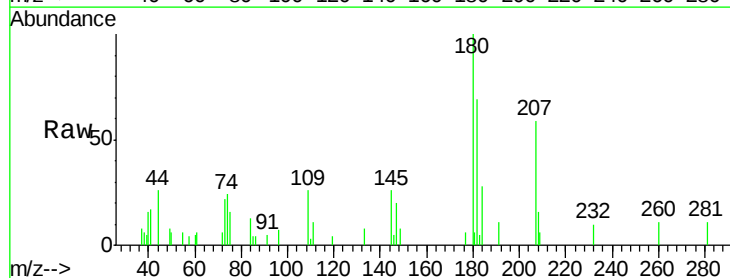


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#70
1,2,3-Trichlorobenzene
Concen: 1.102 ug/L
RT: 15.42 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VY003549.D
Acq: 19 Nov 2020 15:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.5	114.7
145	18.4	25.2	37.8#



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

