

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111920\
 Data File : VY003552.D
 Acq On : 19 Nov 2020 16:54
 Operator : SY/MD
 Sample : MDL05
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL05

Manual Integrations
 APPROVED

MMDadoda
 11/20/2020 10:22:56 AM

Quant Time: Nov 20 03:05:15 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	226811	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	205053	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	96641	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	50973	20.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.56%
7) Chloroethane-d5	2.77	69	48637	20.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.88%
10) 1,1-Dichloroethene-d2	3.86	63	98309	15.91	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	63.64%
20) 2-Butanone-d5	6.91	46	59848	47.48	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.96%
24) Chloroform-d	7.49	84	134373	23.31	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.24%
26) 1,2-Dichloroethane-d4	8.14	65	78576	24.32	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.28%
29) Benzene-d6	8.11	84	282112	23.61	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.44%
33) 1,2-Dichloropropane-d6	9.13	67	84120	24.01	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.04%
37) Toluene-d8	10.18	98	250815	23.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.72%
38) trans-1,3-Dichloropropene-	10.44	79	40494	23.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.68%
39) 2-Hexanone-d5	10.79	63	44256	48.59	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.18%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	73016	23.93	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.72%
61) 1,2-Dichlorobenzene-d4	13.72	152	79726	25.56	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.24%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.92	85	1192	0.992 ug/L	85
3) Chloromethane	2.11	50	3268	1.292 ug/L	97
5) Vinyl chloride	2.26	62	3832	1.268 ug/L #	34
6) Bromomethane	2.67	94	2974	1.268 ug/L	94
8) Chloroethane	2.81	64	2510	1.223 ug/L	86
9) Trichlorofluoromethane	3.13	101	3034	1.047 ug/L #	66
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	4518m	1.504 ug/L	
12) 1,1-Dichloroethene	3.88	96	4012	1.277 ug/L #	1
13) Acetone	3.98	43	3125	3.453 ug/L	73
14) Carbon disulfide	4.21	76	12144	1.167 ug/L	97
15) Methyl Acetate	4.49	43	2288	0.996 ug/L	98
16) Methylene chloride	4.73	84	12518	3.219 ug/L	93
17) Methyl tert-butyl Ether	5.22	73	5899m	1.202 ug/L	
18) trans-1,2-Dichloroethene	5.24	96	4003	1.209 ug/L	85
19) 1,1-Dichloroethane	6.03	63	6611m	1.182 ug/L	
21) 2-Butanone	6.99	43	5464m	3.585 ug/L	
22) cis-1,2-Dichloroethene	7.00	96	4374	1.286 ug/L #	76

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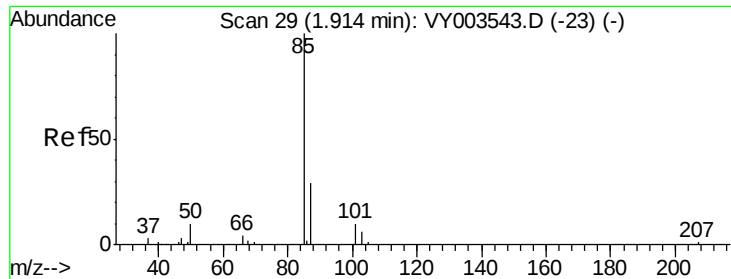
MMDadoda
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111920S.M
 Quant Title : VOC Analysis
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	7.35	128	2126	1.291	ug/L	79
25) Chloroform	7.51	83	7297	1.312	ug/L #	72
27) 1,2-Dichloroethane	8.24	62	4981	1.326	ug/L	100
30) Cyclohexane	7.79	56	4973	0.997	ug/L	97
31) 1,1,1-Trichloroethane	7.71	97	5220m	1.170	ug/L	
32) Carbon tetrachloride	7.91	117	4580	1.080	ug/L	91
34) Benzene	8.16	78	16220	1.254	ug/L	100
35) Trichloroethene	8.94	95	3848	1.175	ug/L	96
36) Methylcyclohexane	9.19	83	5890	1.150	ug/L #	81
40) 1,2-Dichloropropane	9.22	63	3989	1.251	ug/L	98
41) Bromodichloromethane	9.50	83	4987	1.225	ug/L	96
42) cis-1,3-Dichloropropene	9.93	75	5906	1.174	ug/L	94
43) 4-Methyl-2-pentanone	10.07	43	7814	2.928	ug/L	98
44) Toluene	10.24	91	16446	1.206	ug/L	98
45) trans-1,3-Dichloropropene	10.46	75	5645	1.219	ug/L	95
46) 1,1,2-Trichloroethane	10.64	97	3201	1.256	ug/L	93
47) Tetrachloroethene	10.72	164	3595	1.263	ug/L	93
49) 2-Hexanone	10.83	43	4610	2.187	ug/L	96
50) Dibromochloromethane	10.99	129	3569	1.162	ug/L	99
51) 1,2-Dibromoethane	11.09	107	3208	1.263	ug/L	94
52) Chlorobenzene	11.52	112	10409	1.195	ug/L	97
53) Ethylbenzene	11.59	91	15406	1.100	ug/L	100
54) m,p-Xylene	11.70	106	6063	1.125	ug/L	98
55) o-xylene	12.03	106	4771	1.060	ug/L	96
56) Styrene	12.04	104	9162	1.040	ug/L	90
57) Isopropylbenzene	12.33	105	10530	1.034	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	12.58	83	3680	1.224	ug/L #	99
59) 1,2,3-Trichloropropane	12.63	75	2805	1.199	ug/L	98
62) Bromoform	12.20	173	2384	1.215	ug/L #	39
63) 1,3-Dichlorobenzene	13.36	146	7093	1.163	ug/L	98
64) 1,4-Dichlorobenzene	13.44	146	8433	1.343	ug/L	91
65) 1,2-Dichlorobenzene	13.73	146	6457	1.286	ug/L	94
66) 1,2-Dibromo-3-chloropropan	14.36	75	615m	1.439	ug/L	
67) 1,3,5-Trichlorobenzene	14.50	180	3981	1.231	ug/L	96
68) 1,2,4-trichlorobenzene	15.00	180	3260	1.170	ug/L	96
69) Naphthalene	15.23	128	5392	1.097	ug/L	97
70) 1,2,3-Trichlorobenzene	15.42	180	2622	1.245	ug/L #	86

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



#2

Dichlorodifluoromethane

Concen: 0.992 ug/L

RT: 1.92 min Scan# 30

Delta R.T. 0.01 min

Lab File: VY003552.D

Acq: 19 Nov 2020 16:54

Instrument :

MSVOA_Y

ClientSampleId :

MDL05

Tot Ion: 85 Resp: 1192

Ion Ratio Lower Upper

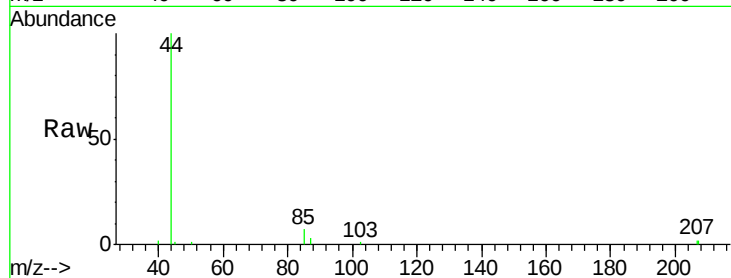
85 100

87 22.4 21.3 39.5

Manual Integrations
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Abundance Ion 85.00 (84.70 to 85.70): VY0

Ion 87.00 (86.70 to 87.70): VY0

1.92

400

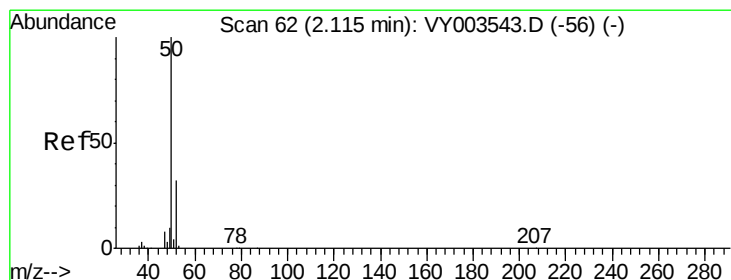
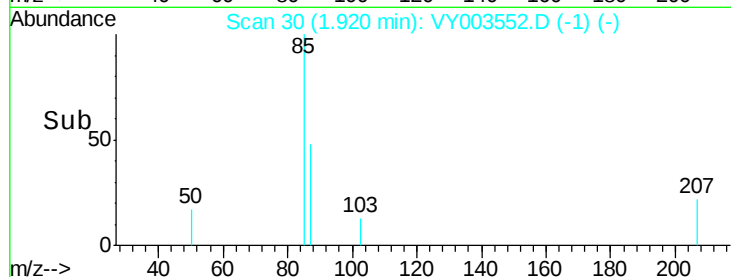
300

200

100

0

Time-->



#3

Chloromethane

Concen: 1.292 ug/L

RT: 2.11 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY003552.D

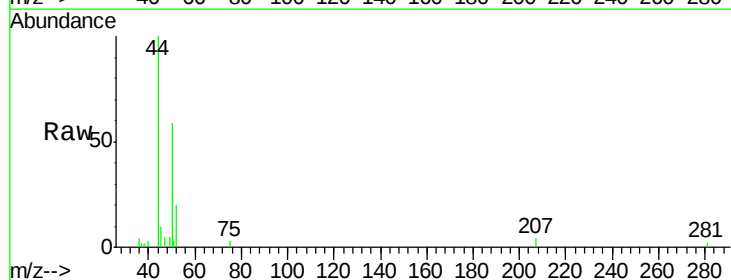
Acq: 19 Nov 2020 16:54

Tgt Ion: 50 Resp: 3268

Ion Ratio Lower Upper

50 100

52 33.8 22.4 41.6



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0

2.11

2000

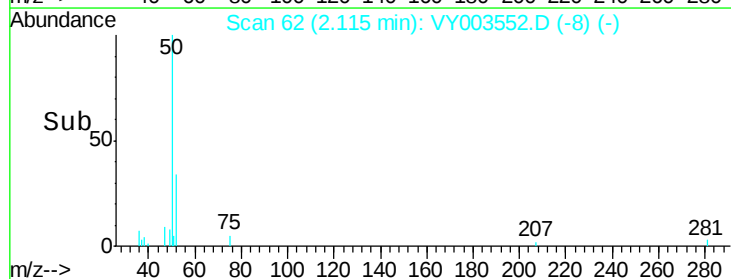
1500

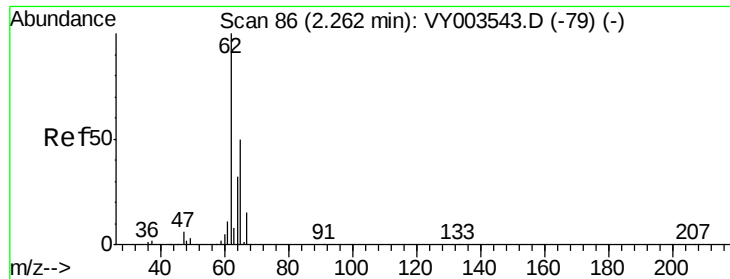
1000

500

0

Time-->





#5

Vinyl chloride

Concen: 1.268 ug/L

RT: 2.26 min Scan# 86

Delta R.T. -0.00 min

Lab File: VY003552.D

Acq: 19 Nov 2020 16:54

Instrument :

MSVOA_Y

ClientSampleId :

MDL05

Tot Ion: 62 Resp: 3832

Ion Ratio Lower Upper

62 100

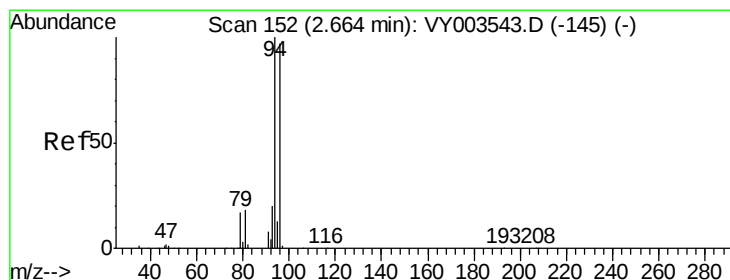
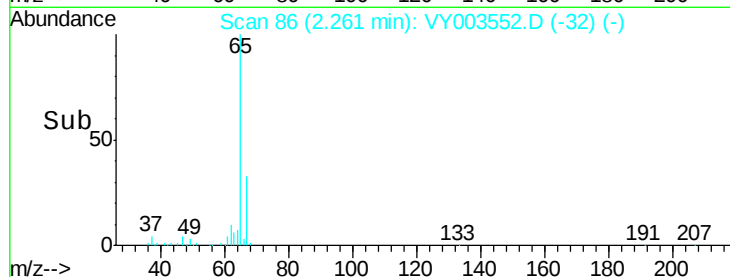
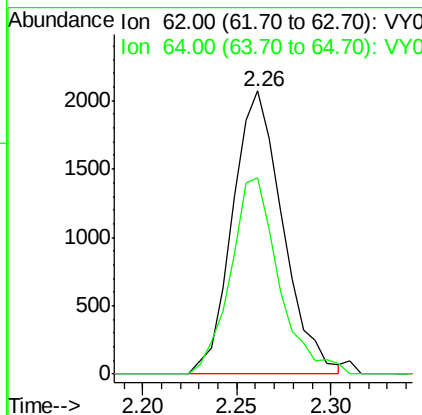
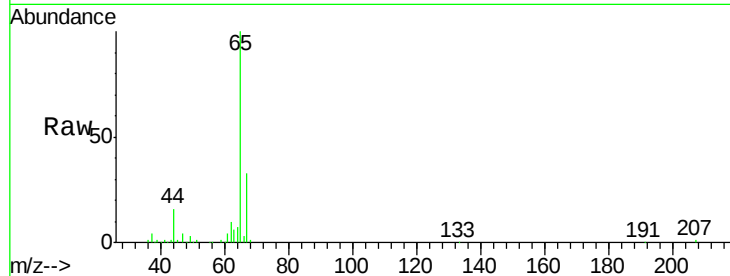
64 69.5 22.7 42.1#

Manual Integrations

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#6

Bromomethane

Concen: 1.268 ug/L

RT: 2.67 min Scan# 153

Delta R.T. 0.01 min

Lab File: VY003552.D

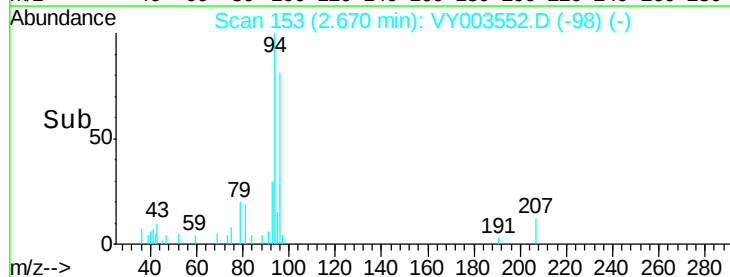
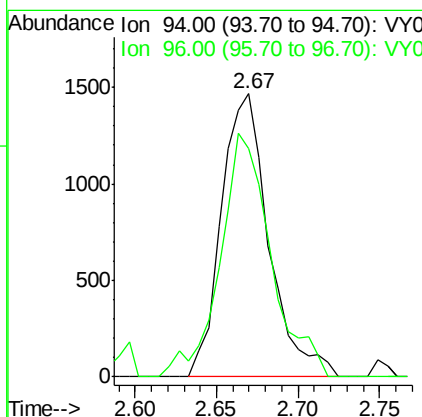
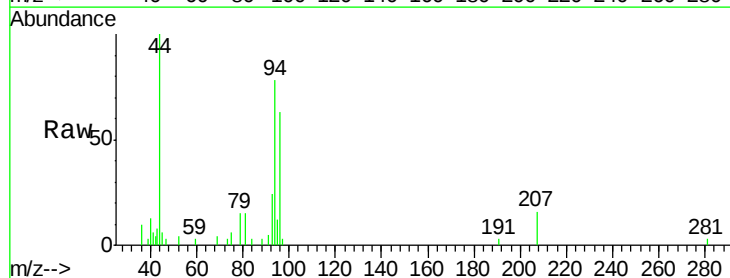
Acq: 19 Nov 2020 16:54

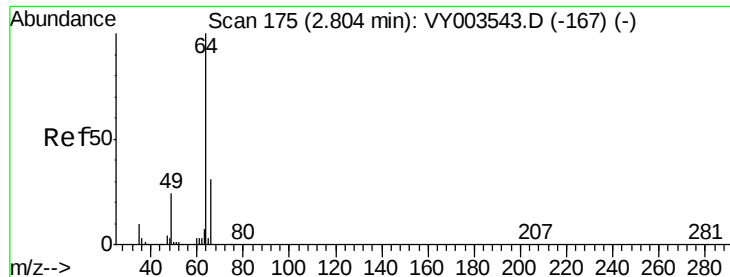
Tgt Ion: 94 Resp: 2974

Ion Ratio Lower Upper

94 100

96 88.1 9.4 178.6





#8

Chloroethane

Concen: 1.223 ug/L

RT: 2.81 min Scan# 176

Delta R.T. 0.01 min

Lab File: VY003552.D

Acq: 19 Nov 2020 16:54

Instrument :

MSVOA_Y

ClientSampleId :

MDL05

Tot Ion: 64 Resp: 2510

Ion Ratio Lower Upper

64 100

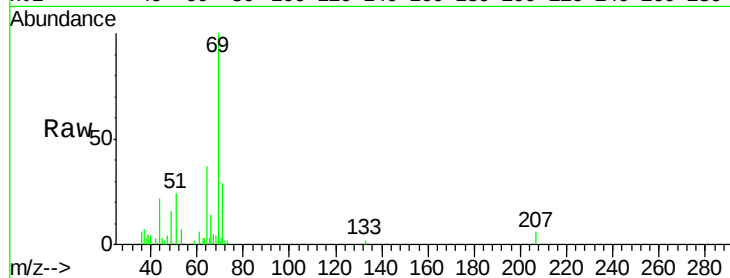
66 38.9 21.8 40.6

Manual Integrations

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Abundance Ion 64.00 (63.70 to 64.70): VY0

Ion 66.00 (65.70 to 66.70): VY0

1200

1000

800

600

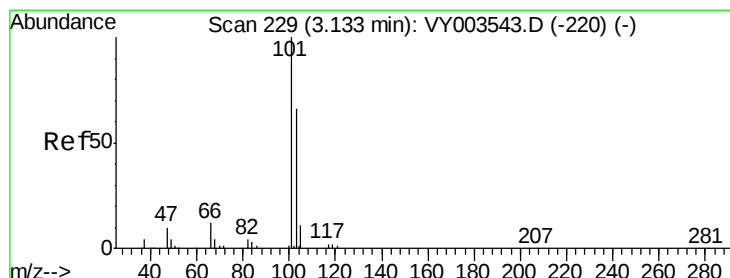
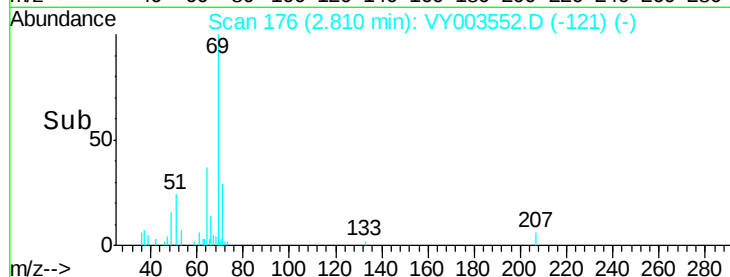
400

200

0

2.75 2.80 2.85

Time-->



#9

Trichlorofluoromethane

Concen: 1.047 ug/L

RT: 3.13 min Scan# 229

Delta R.T. -0.00 min

Lab File: VY003552.D

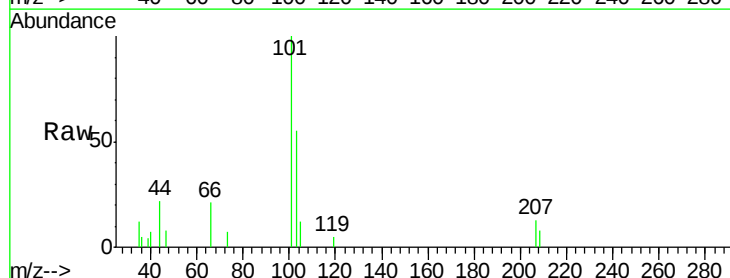
Acq: 19 Nov 2020 16:54

Tgt Ion: 101 Resp: 3034

Ion Ratio Lower Upper

101 100

103 38.6 45.6 84.6#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

1500

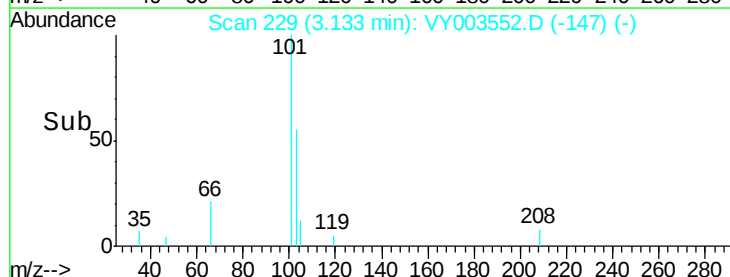
1000

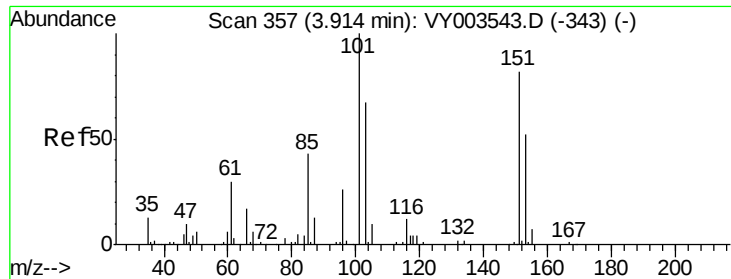
500

0

3.05 3.10 3.15 3.20

Time-->





#11

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

Concen: 1.504 ug/L m

RT: 3.91 min Scan# 357

Delta R.T. -0.00 min

Lab File: VY003552.D

Acq: 19 Nov 2020 16:54

Instrument :

MSVOA_Y

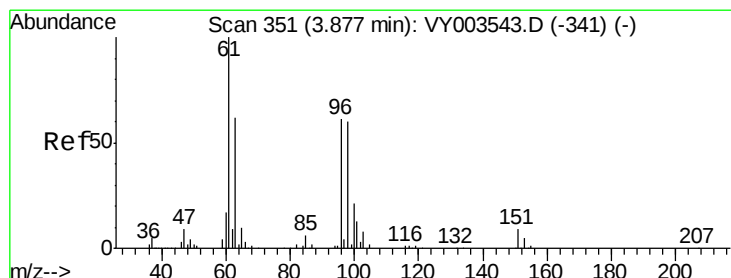
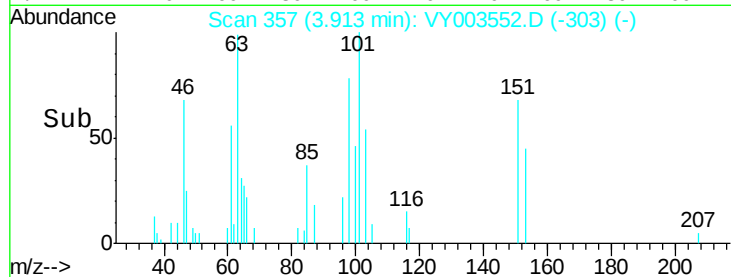
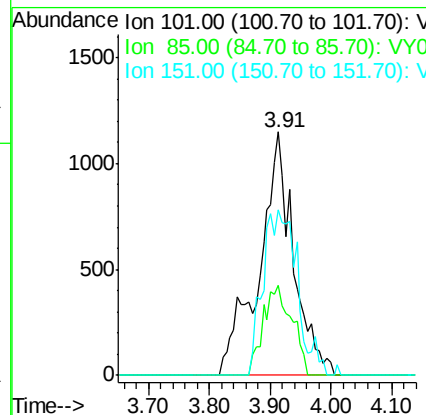
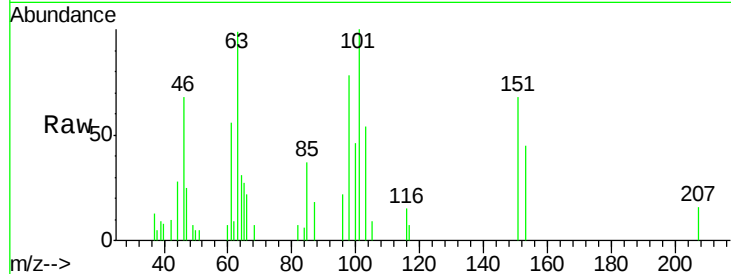
ClientSampleId :

MDL05

Tot Ion:	101	Resp:	4518
Ion Ratio	Lower	Upper	
101	100		
85	27.9	35.0	52.4#
151	10.1	65.4	98.0#

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 1.277 ug/L

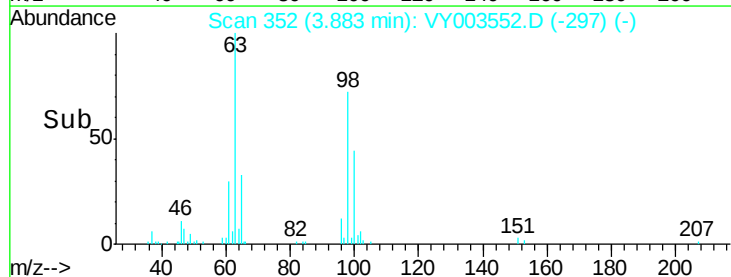
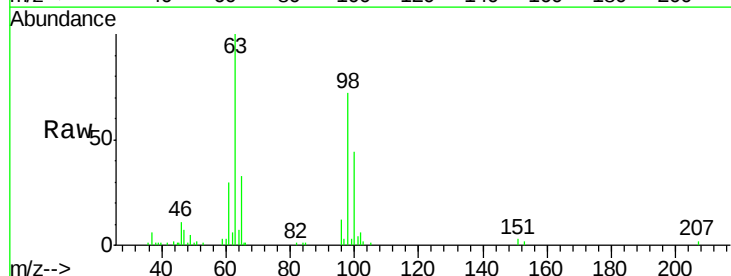
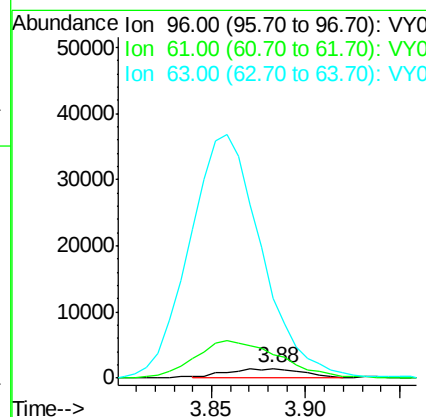
RT: 3.88 min Scan# 352

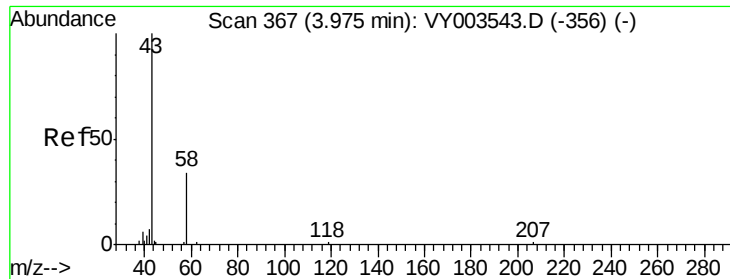
Delta R.T. 0.01 min

Lab File: VY003552.D

Acq: 19 Nov 2020 16:54

Tgt Ion:	96	Resp:	4012
Ion Ratio	Lower	Upper	
96	100		
61	253.4	116.6	216.6#
63	836.5	77.5	143.9#





#13

Acetone

Concen: 3.453 ug/L

RT: 3.98 min Scan# 368

Delta R.T. 0.01 min

Lab File: VY003552.D

Acq: 19 Nov 2020 16:54

Instrument :

MSVOA_Y

ClientSampleId :

MDL05

Tot Ion: 43 Resp: 3125

Ion Ratio Lower Upper

43 100

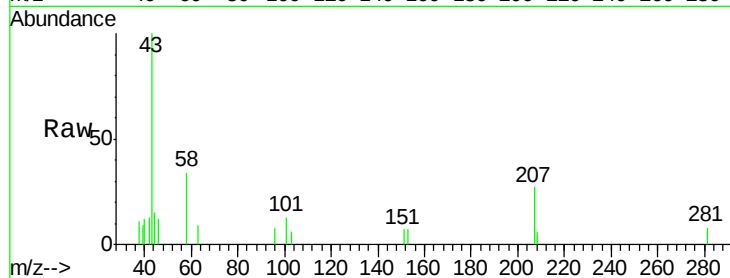
58 17.9 0.0 66.2

Manual Integrations

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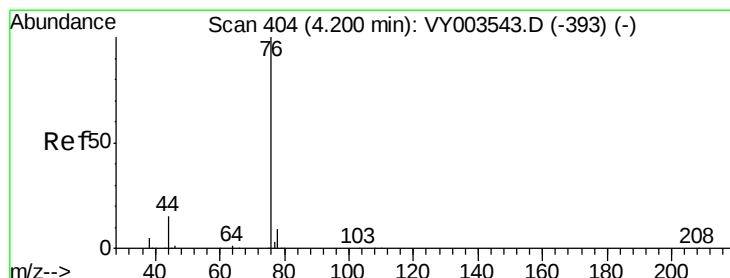
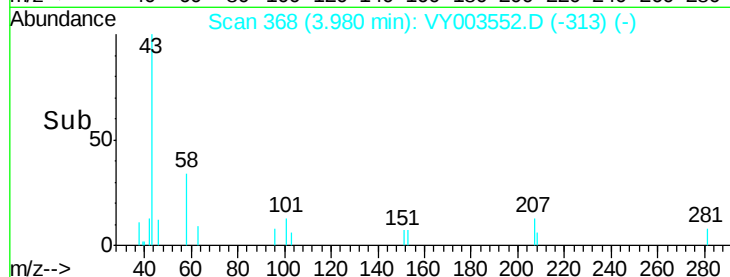
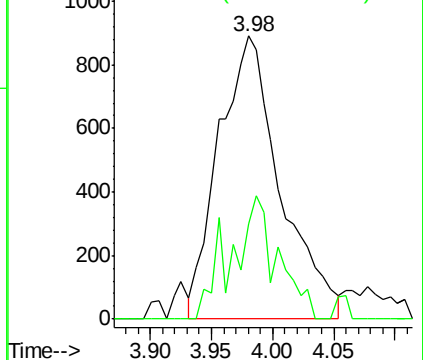
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11/20/2020 10:22:56 AM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#14

Carbon disulfide

Concen: 1.167 ug/L

RT: 4.21 min Scan# 405

Delta R.T. 0.01 min

Lab File: VY003552.D

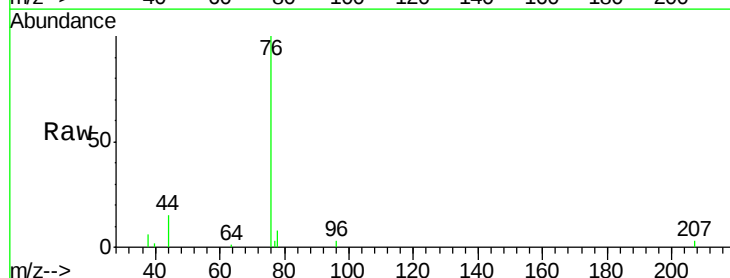
Acq: 19 Nov 2020 16:54

Tgt Ion: 76 Resp: 12144

Ion Ratio Lower Upper

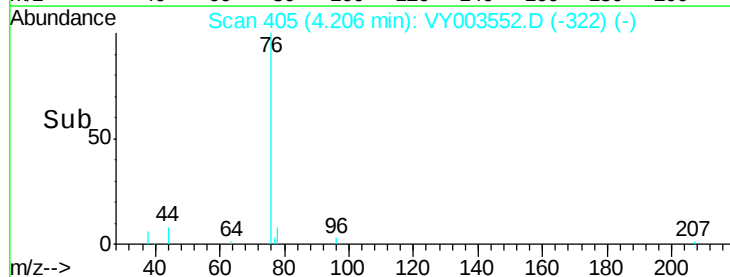
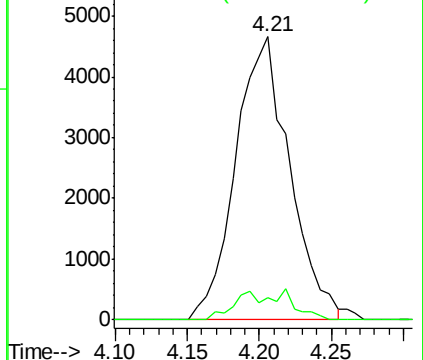
76 100

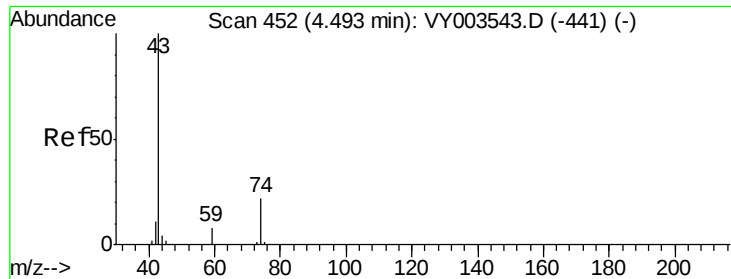
78 8.0 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VY0

Ion 78.00 (77.70 to 78.70): VY0





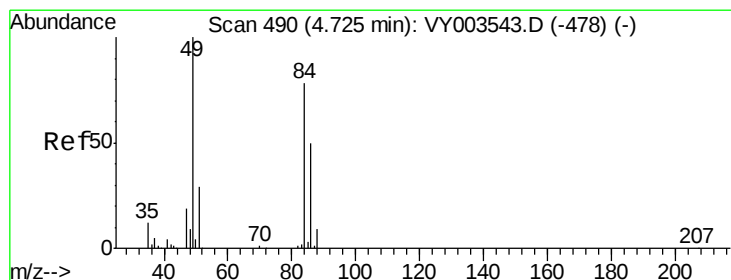
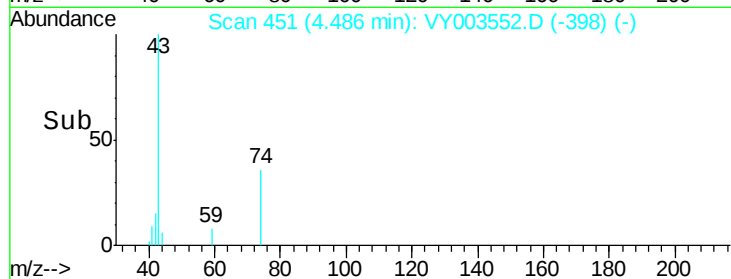
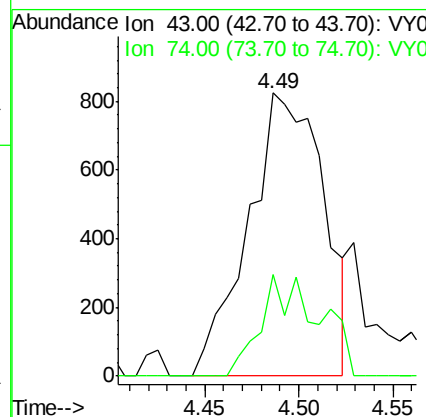
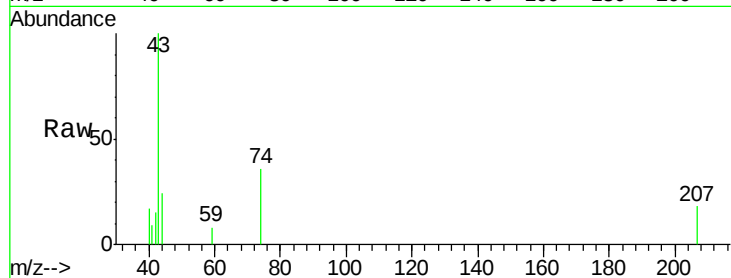
#15
Methyl Acetate
Concen: 0.996 ug/L
RT: 4.49 min Scan# 451
Delta R.T. -0.01 min
Lab File: VY003552.D
Acq: 19 Nov 2020 16:54

Instrument :
MSVOA_Y
ClientSampled :
MDL05

Tot Ion: 43 Resp: 2288
Ion Ratio Lower Upper
43 100
74 21.6 18.2 27.2

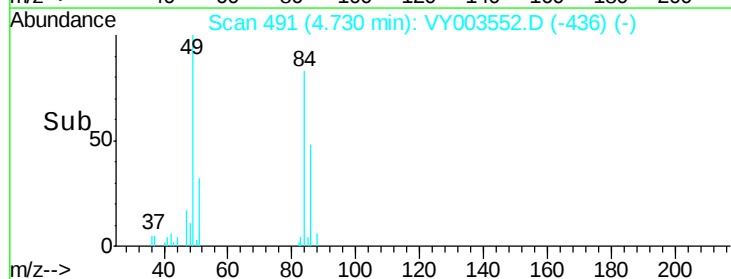
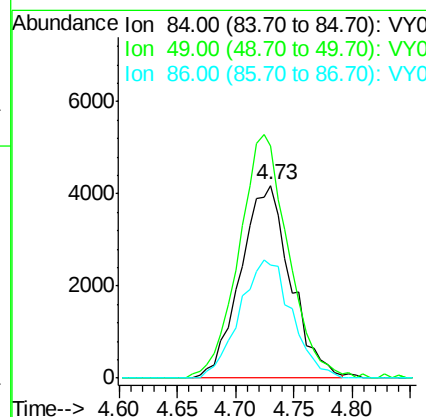
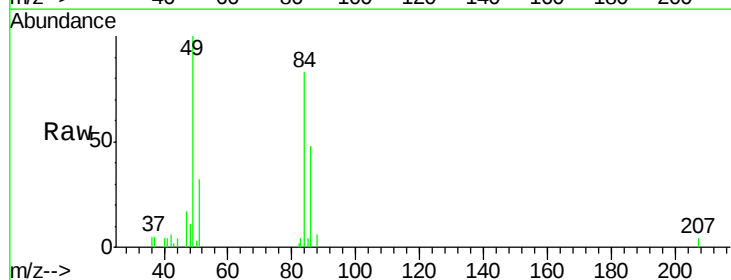
Manual Integrations
APPROVED

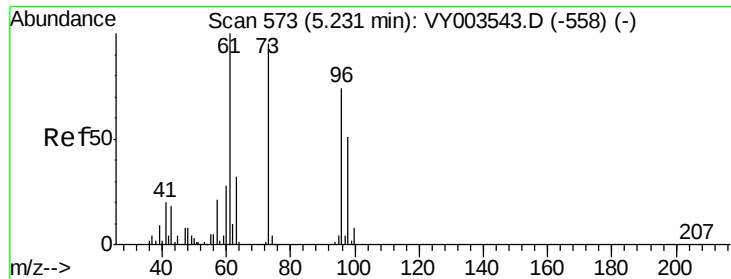
MMDadoda
11/20/2020 10:22:56 AM



#16
Methylene chloride
Concen: 3.219 ug/L
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY003552.D
Acq: 19 Nov 2020 16:54

Tgt Ion: 84 Resp: 12518
Ion Ratio Lower Upper
84 100
49 120.2 90.3 167.7
86 58.3 44.7 83.1





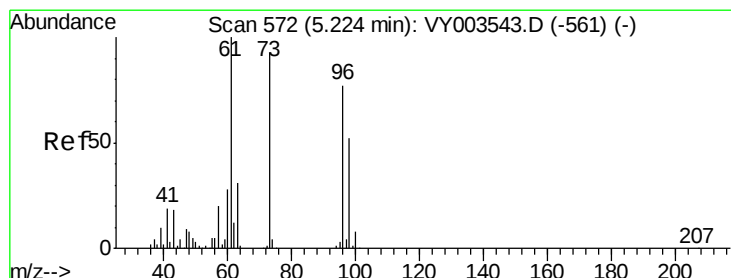
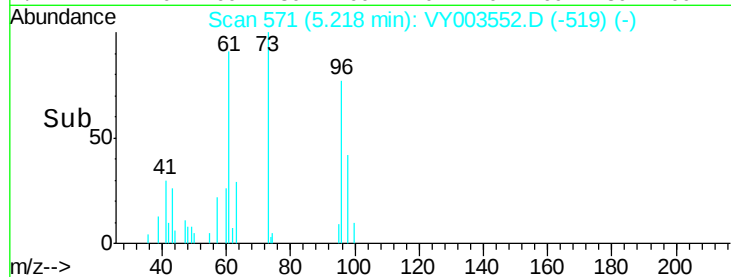
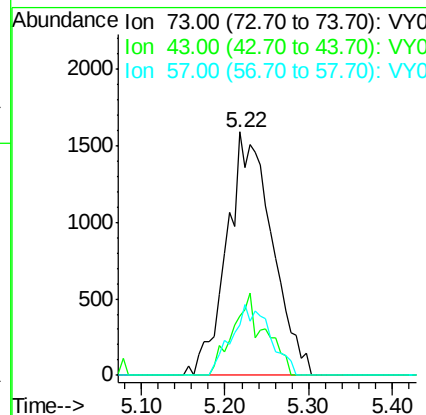
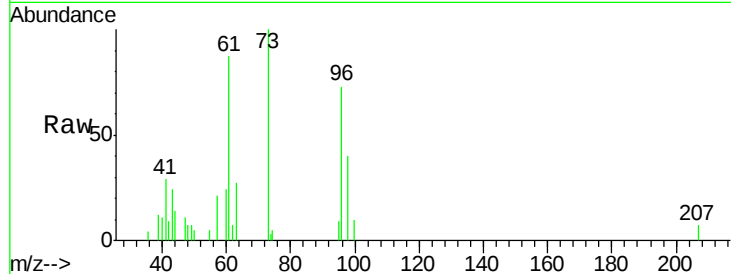
#17
Methvl tert-butvl Ether
Concen: 1.202 ug/L m
RT: 5.22 min Scan# 571
Delta R.T. -0.01 min
Lab File: VY003552.D
Acq: 19 Nov 2020 16:54

Instrument :
MSVOA_Y
ClientSampleId :
MDL05

Tot Ion	Ratio	Lower	Upper
73	100		
43	13.4	15.9	23.9#
57	12.8	10.5	15.7

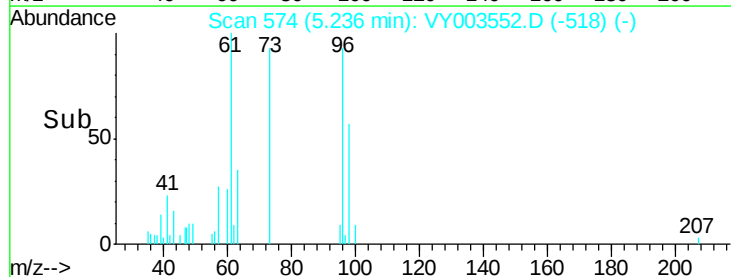
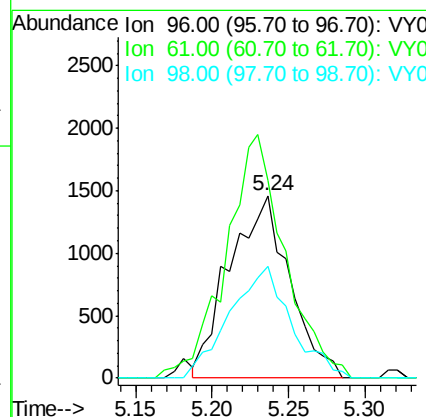
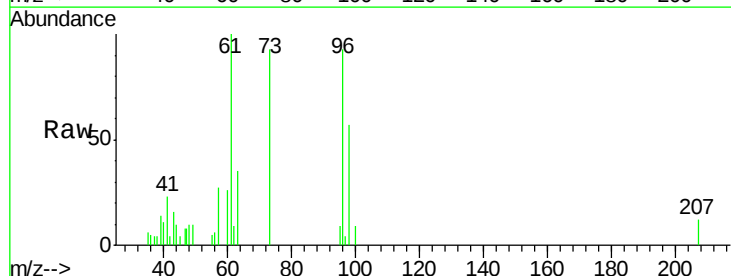
Manual Integrations
APPROVED

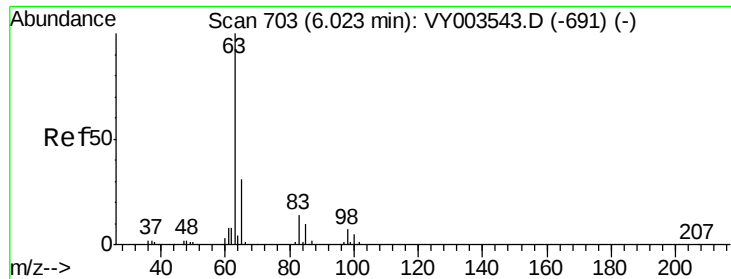
MMDadoda
11/20/2020 10:22:56 AM



#18
trans-1,2-Dichloroethene
Concen: 1.209 ug/L
RT: 5.24 min Scan# 574
Delta R.T. 0.01 min
Lab File: VY003552.D
Acq: 19 Nov 2020 16:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	108.1	90.8	168.6
98	61.1	46.8	87.0





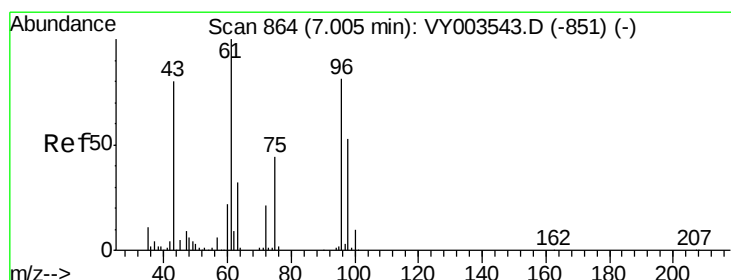
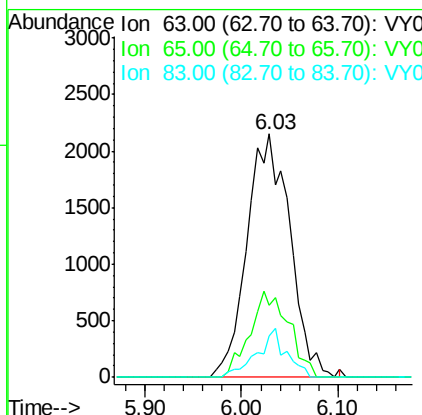
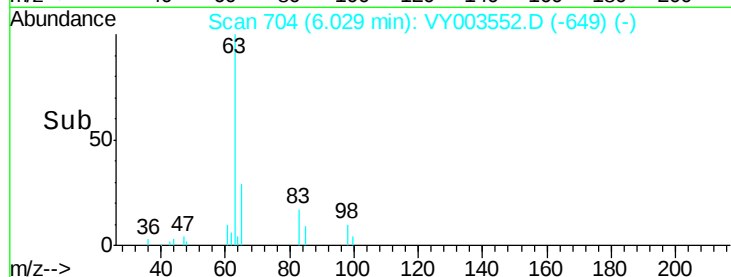
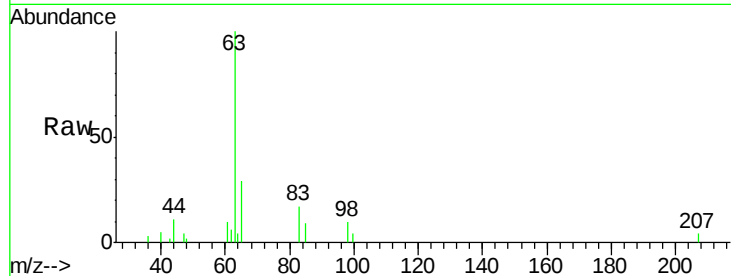
#19
 1,1-Dichloroethane
 Concen: 1.182 ug/L m
 RT: 6.03 min Scan# 704
 Delta R.T. 0.01 min
 Lab File: VY003552.D
 Acq: 19 Nov 2020 16:54

Instrument :
 MSVOA_Y
 ClientSampled :
 MDL05

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.4	22.0	40.8
83	16.7	9.9	18.5

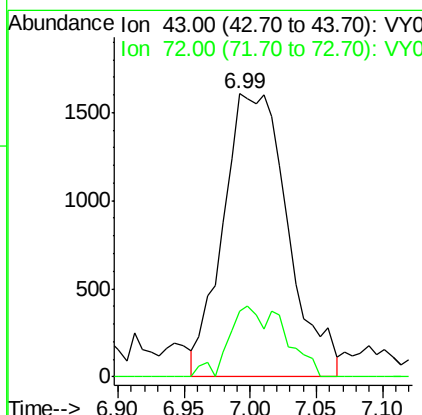
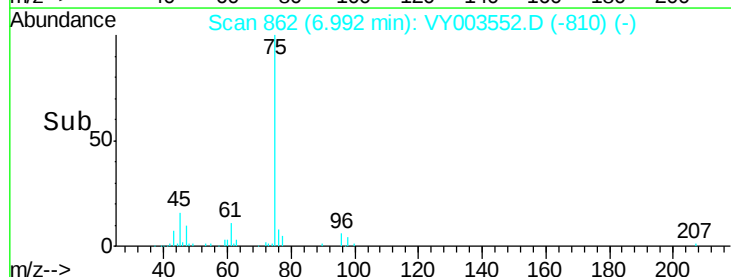
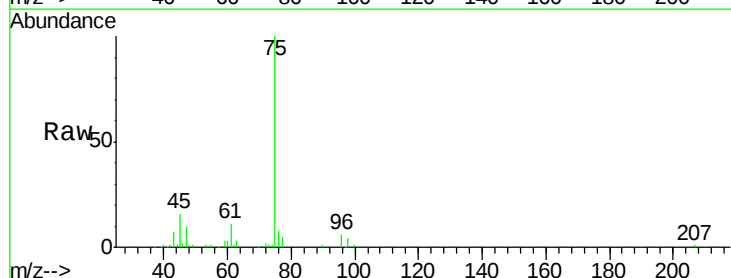
Manual Integrations
 APPROVED

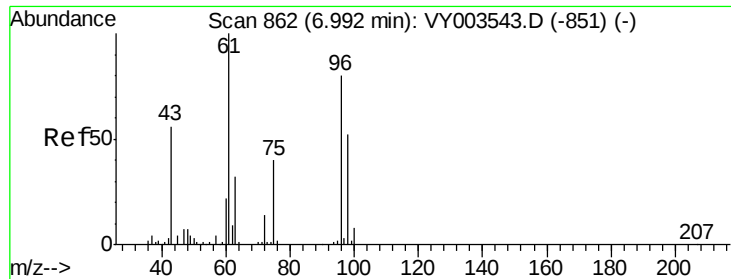
MMDadoda
 11/20/2020 10:22:56 AM



#21
 2-Butanone
 Concen: 3.585 ug/L m
 RT: 6.99 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VY003552.D
 Acq: 19 Nov 2020 16:54

Tgt Ion	Ratio	Lower	Upper
43	100		
72	12.1	13.2	39.6#





#22

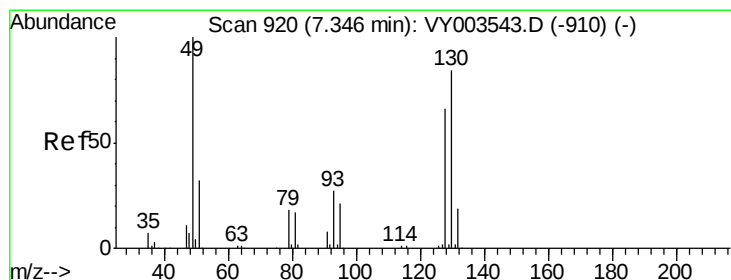
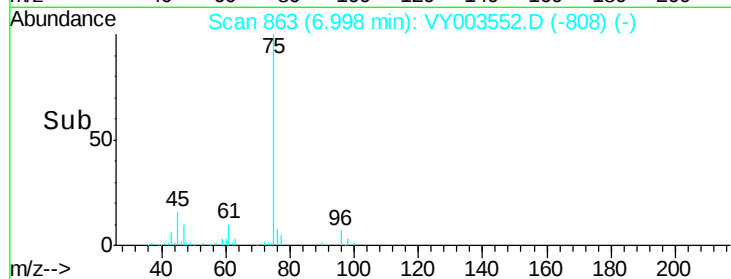
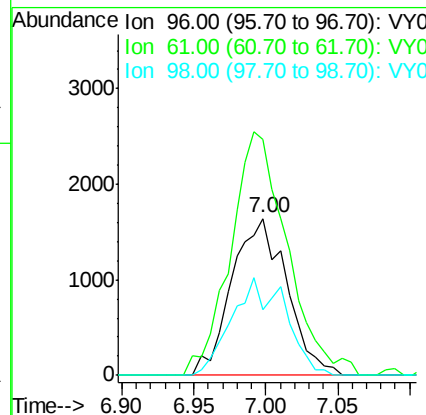
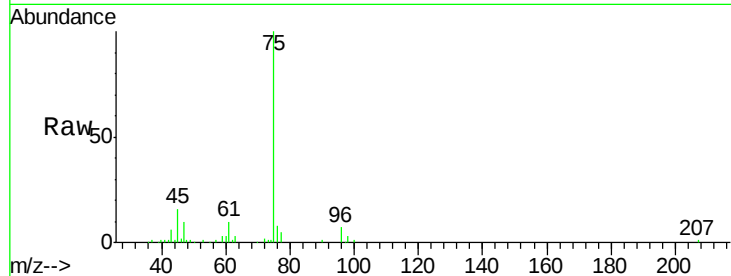
cis-1,2-Dichloroethene
Concen: 1.286 ug/L
RT: 7.00 min Scan# 863
Delta R.T. 0.01 min
Lab File: VY003552.D
Acq: 19 Nov 2020 16:54

Instrument :
MSVOA_Y
ClientSampleId :
MDL05

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.1	88.1	163.5
98	42.2	45.6	84.6#

Manual Integrations
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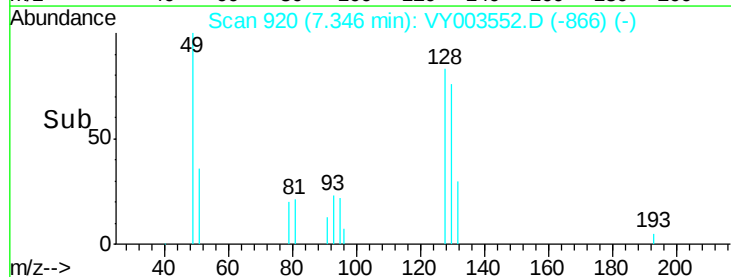
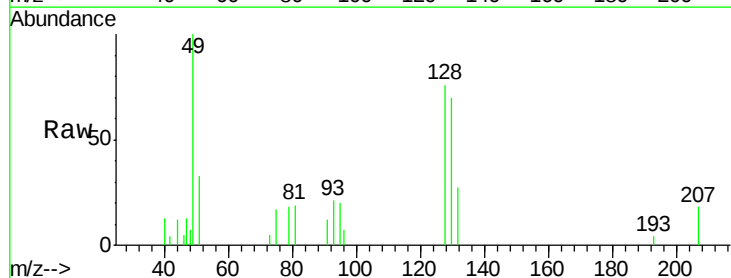
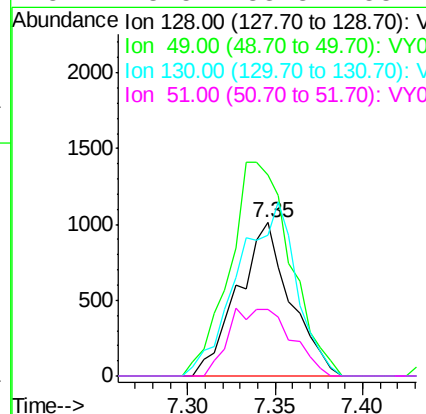
MMDadoda
11/20/2020 10:22:56 AM

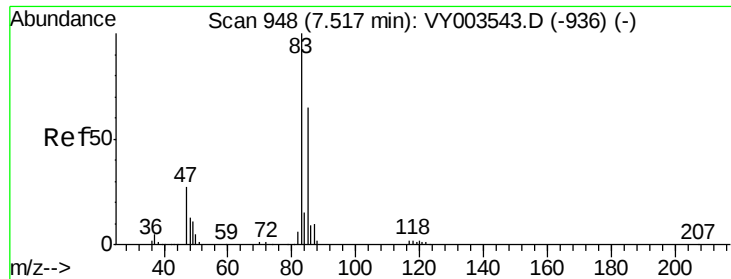


#23

Bromochloromethane
Concen: 1.291 ug/L
RT: 7.35 min Scan# 920
Delta R.T. -0.00 min
Lab File: VY003552.D
Acq: 19 Nov 2020 16:54

Tgt Ion	Ratio	Lower	Upper
128	100		
49	131.1	107.3	199.3
130	91.5	89.3	165.9
51	43.5	38.8	58.2





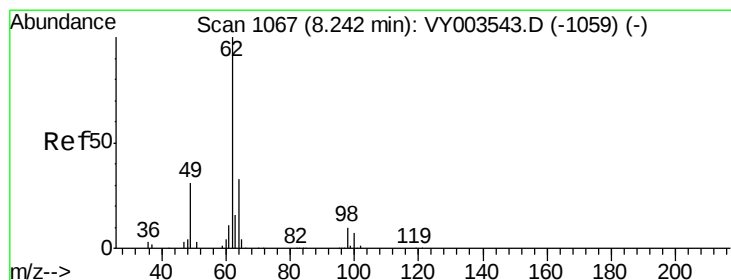
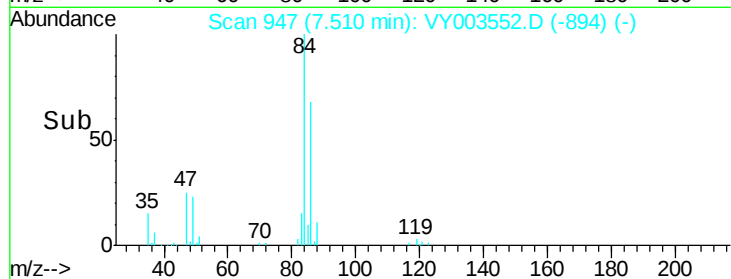
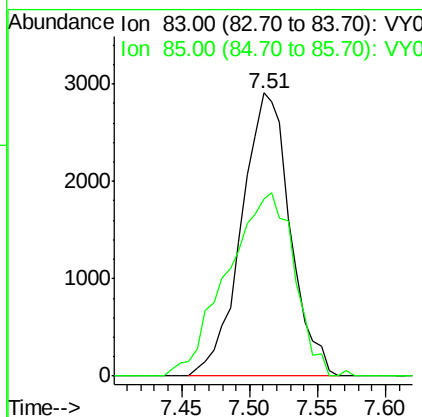
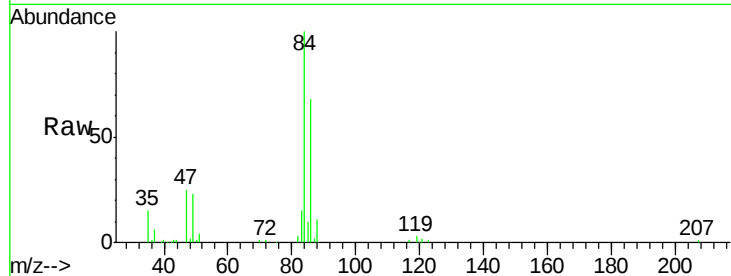
#25
Chloroform
Concen: 1.312 ug/L
RT: 7.51 min Scan# 947
Delta R.T. -0.01 min
Lab File: VY003552.D
Acq: 19 Nov 2020 16:54

Instrument :
MSVOA_Y
ClientSampleId :
MDL05

Tot Ion	83	Resp	7297
Ion Ratio	100	Lower	Upper
85	88.4	46.2	85.8#

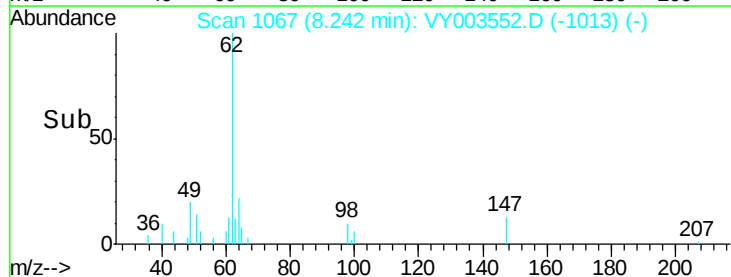
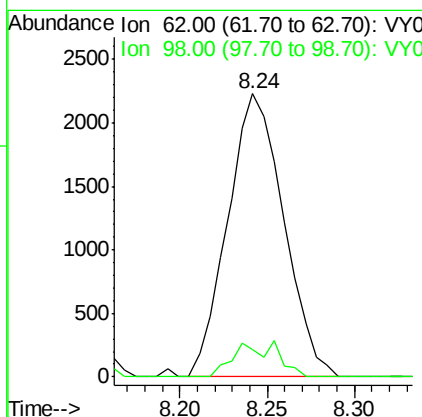
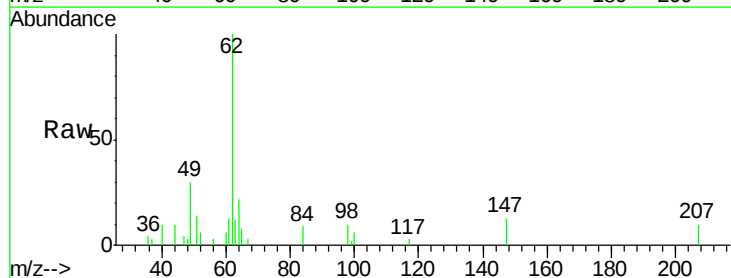
Manual Integrations
APPROVED

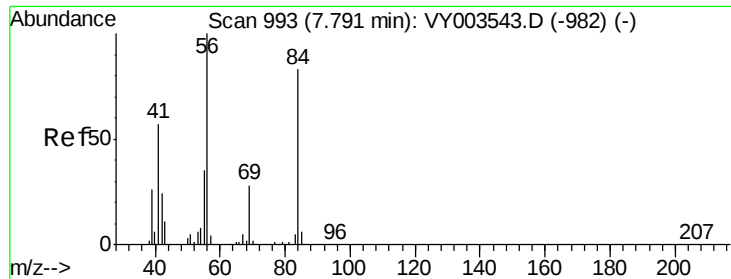
MMDadoda
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#27
1,2-Dichloroethane
Concen: 1.326 ug/L
RT: 8.24 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VY003552.D
Acq: 19 Nov 2020 16:54

Tgt Ion	62	Resp	4981
Ion Ratio	100	Lower	Upper
98	9.6	7.7	11.5





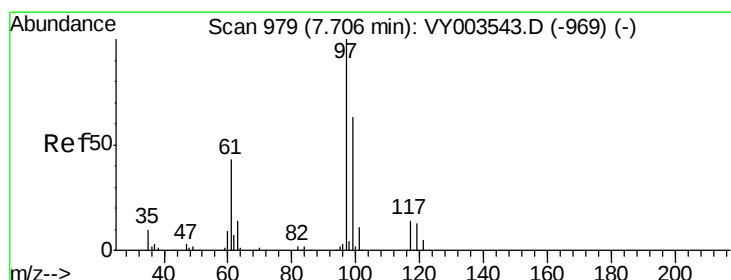
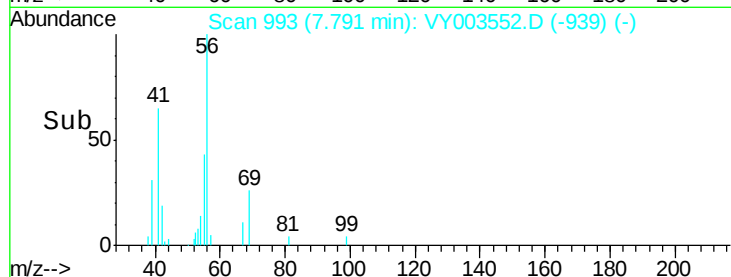
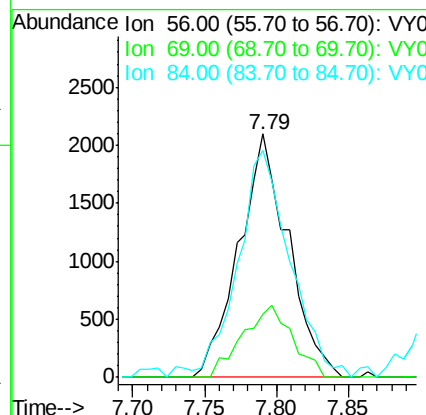
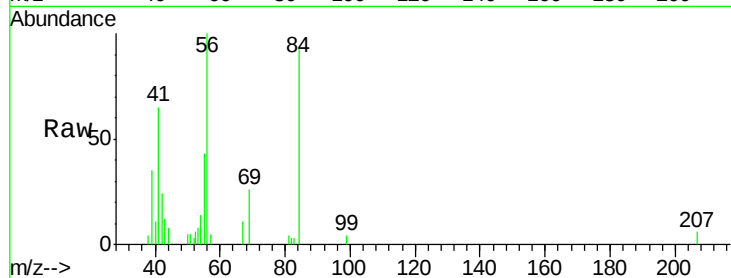
#30
Cyclohexane
Concen: 0.997 ug/L
RT: 7.79 min Scan# 993
Delta R.T. -0.00 min
Lab File: VY003552.D
Acq: 19 Nov 2020 16:54

Instrument :
MSVOA_Y
ClientSampleId :
MDL05

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.9	23.3	34.9
84	90.4	69.9	104.9

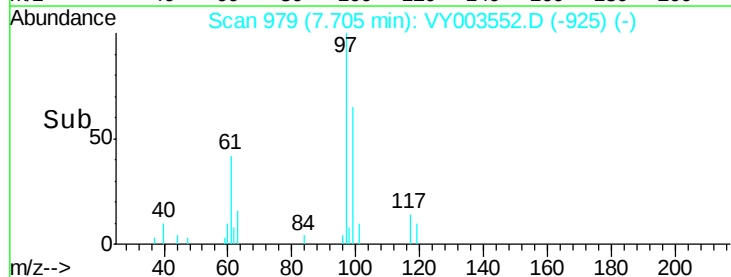
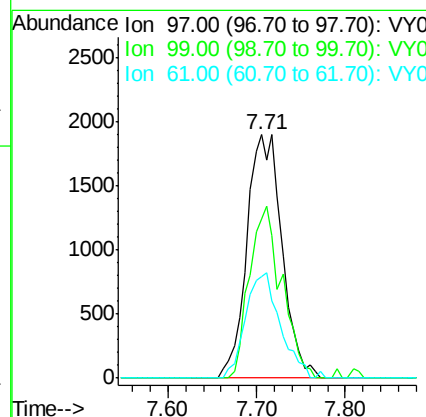
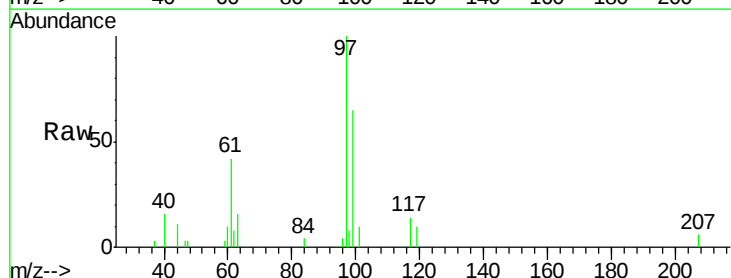
Manual Integrations
APPROVED

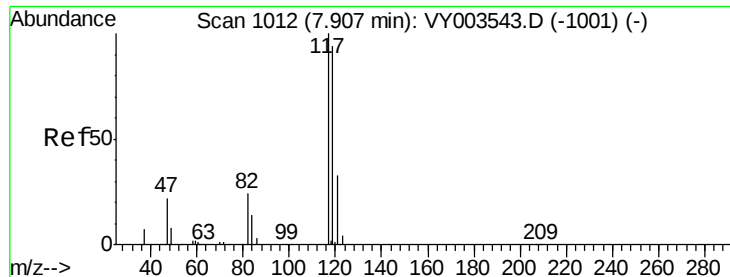
MMDadoda
11/20/2020 10:22:56 AM



#31
1,1,1-Trichloroethane
Concen: 1.170 ug/L m
RT: 7.71 min Scan# 979
Delta R.T. -0.00 min
Lab File: VY003552.D
Acq: 19 Nov 2020 16:54

Tgt Ion	Ratio	Lower	Upper
97	100		
61	65.5	52.1	78.1
117	42.4	34.9	52.3





#32

Carbon tetrachloride

Concen: 1.080 ug/L

RT: 7.91 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VY003552.D

Acq: 19 Nov 2020 16:54

Instrument :

MSVOA_Y

ClientSampleId :

MDL05

Tot Ion:117 Resp: 4580

Ion Ratio Lower Upper

117 100

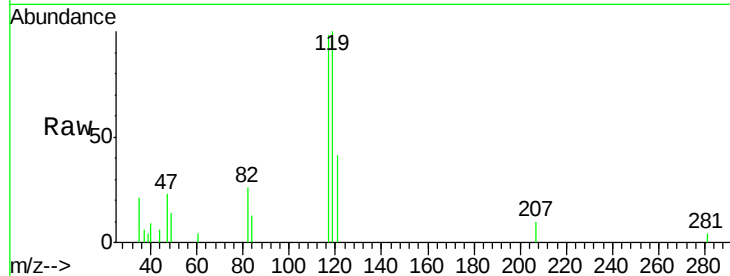
119 103.7 76.2 114.4

Manual Integrations

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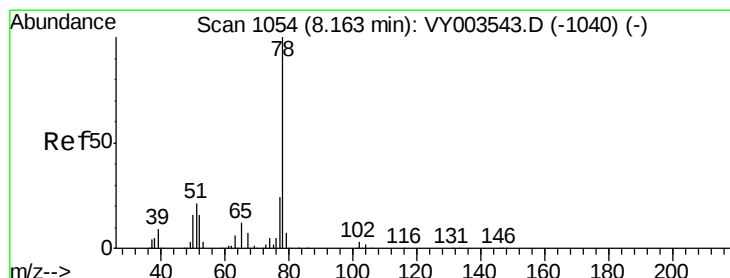
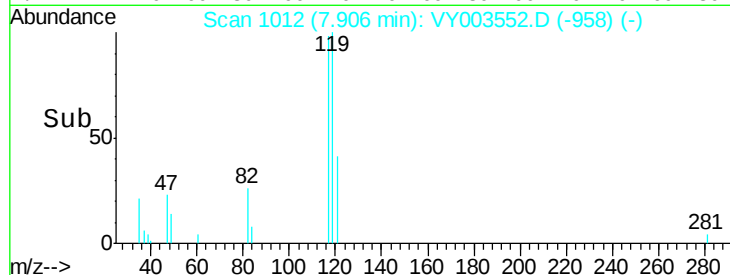
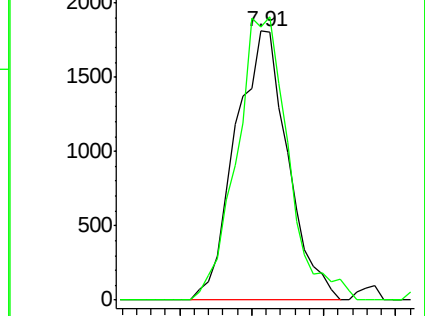
MMDadoda

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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 1.254 ug/L

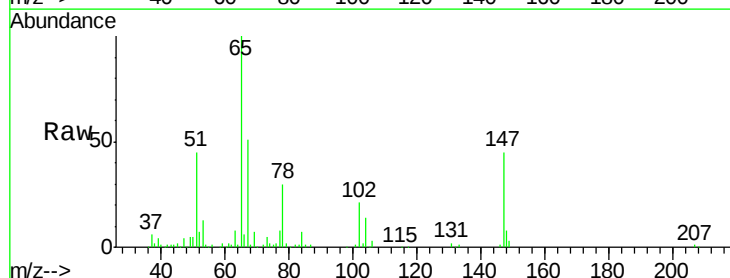
RT: 8.16 min Scan# 1054

Delta R.T. -0.00 min

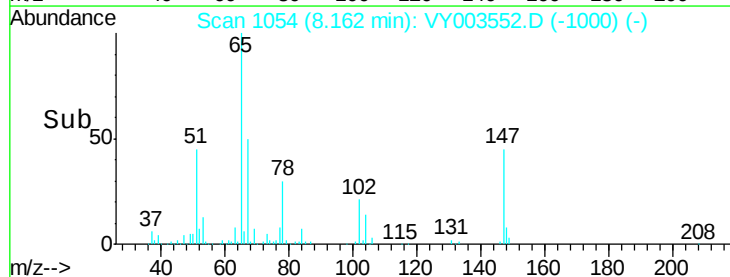
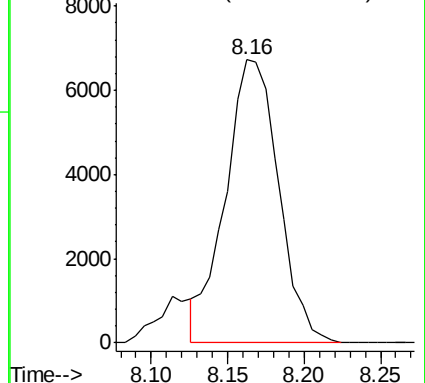
Lab File: VY003552.D

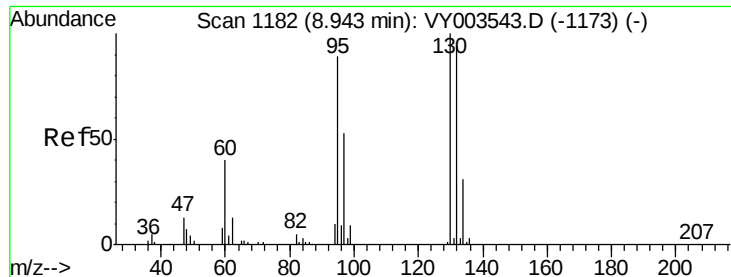
Acq: 19 Nov 2020 16:54

Tgt Ion: 78 Resp: 16220



Abundance Ion 78.00 (77.70 to 78.70): VY0





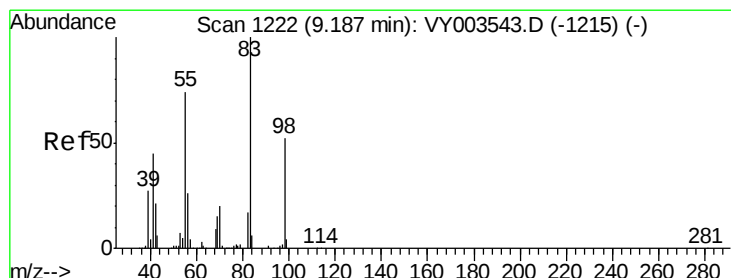
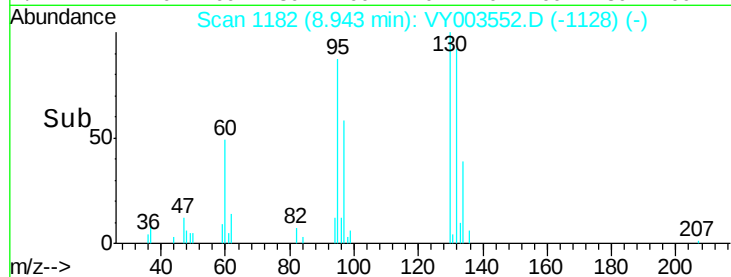
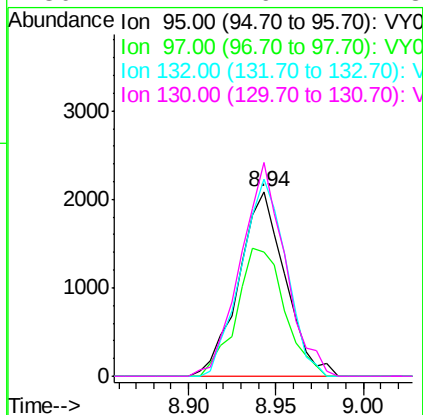
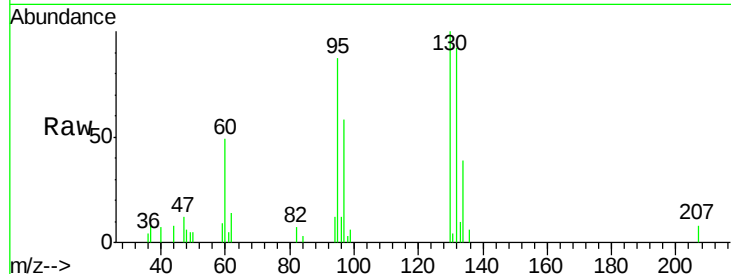
#35
 Trichloroethene
 Concen: 1.175 ug/L
 RT: 8.94 min Scan# 1182
 Delta R.T. -0.00 min
 Lab File: VY003552.D
 Acq: 19 Nov 2020 16:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL05

Tot Ion:	95	Resp:	3848
Ion	Ratio	Lower	Upper
95	100		
97	71.8	44.5	82.7
132	103.5	73.1	135.7
130	111.2	76.1	141.3

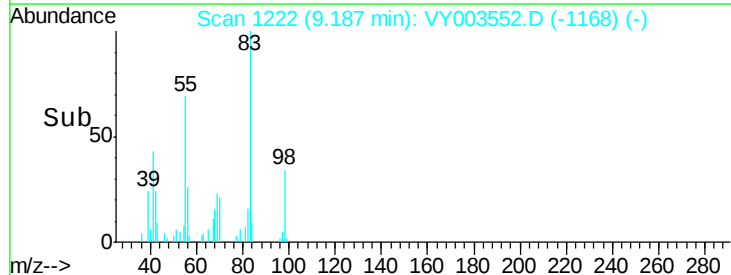
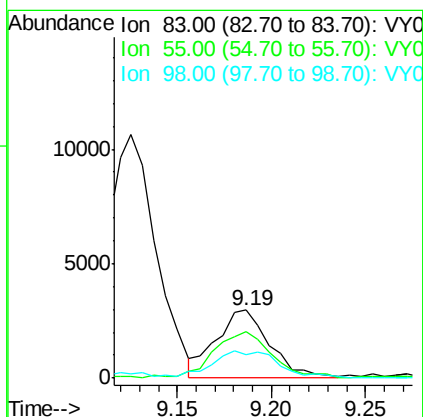
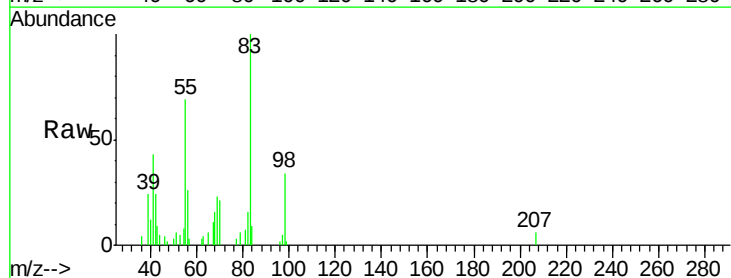
Manual Integrations
 APPROVED

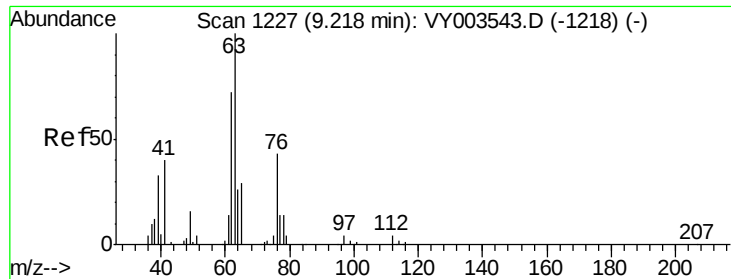
MMDadoda
 11/20/2020 10:22:56 AM



#36
 Methylcyclohexane
 Concen: 1.150 ug/L
 RT: 9.19 min Scan# 1222
 Delta R.T. -0.00 min
 Lab File: VY003552.D
 Acq: 19 Nov 2020 16:54

Tgt Ion:	83	Resp:	5890
Ion	Ratio	Lower	Upper
83	100		
55	71.0	60.8	91.2
98	24.3	40.6	61.0#





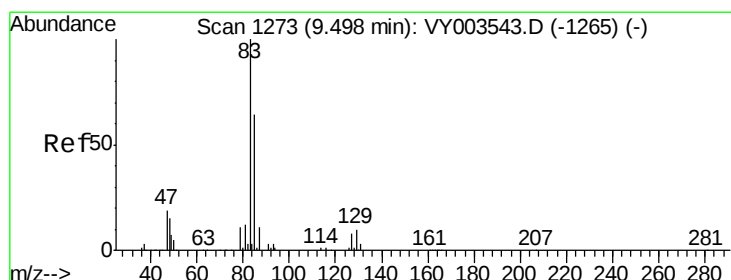
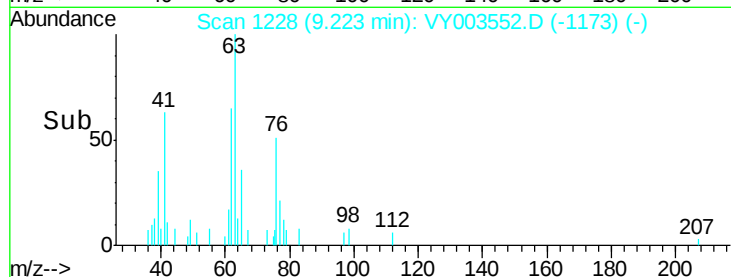
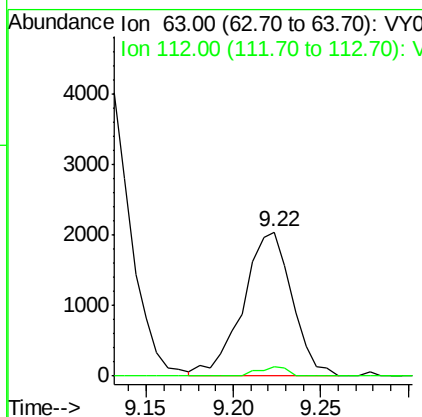
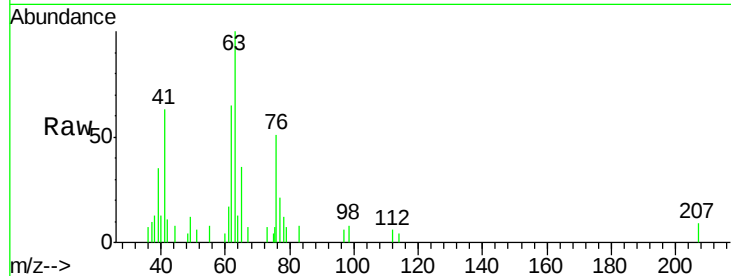
#40
 1,2-Dichloropropane
 Concen: 1.251 ug/L
 RT: 9.22 min Scan# 1228
 Delta R.T. 0.01 min
 Lab File: VY003552.D
 Acq: 19 Nov 2020 16:54

Instrument :
 MSVOA_Y
 ClientSampled :
 MDL05

Tot Ion: 63 Resp: 3989
 Ion Ratio Lower Upper
 63 100
 112 3.7 3.5 5.3

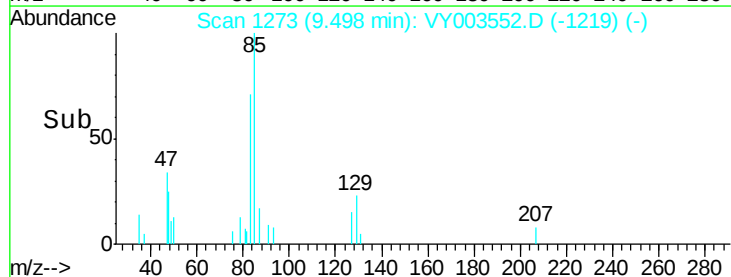
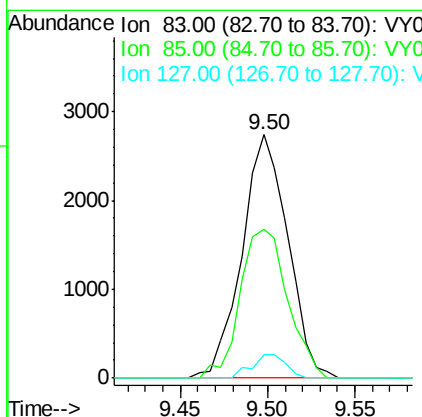
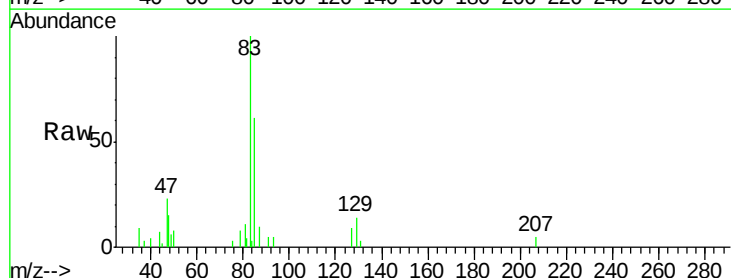
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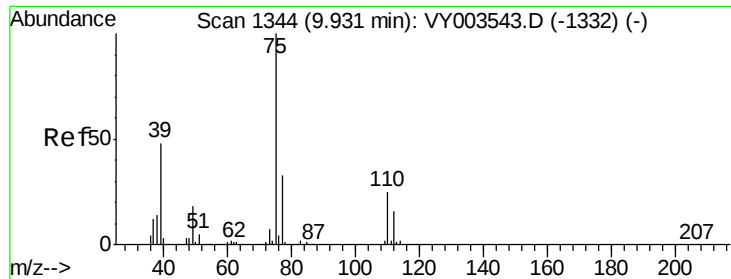
MMDadoda
 11/20/2020 10:22:56 AM



#41
 Bromodichloromethane
 Concen: 1.225 ug/L
 RT: 9.50 min Scan# 1273
 Delta R.T. -0.00 min
 Lab File: VY003552.D
 Acq: 19 Nov 2020 16:54

Tgt Ion: 83 Resp: 4987
 Ion Ratio Lower Upper
 83 100
 85 61.2 45.1 83.7
 127 9.4 6.8 10.2





#42

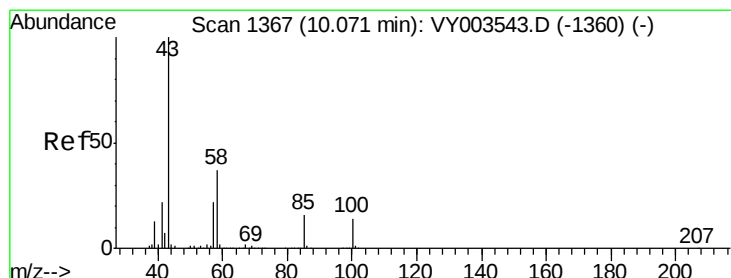
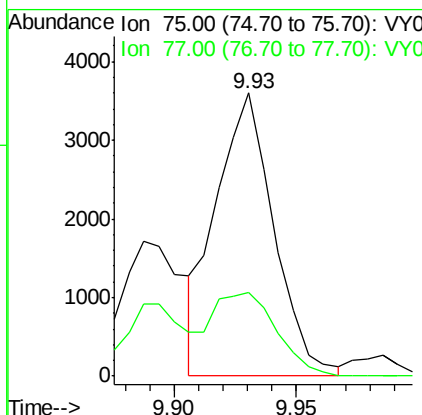
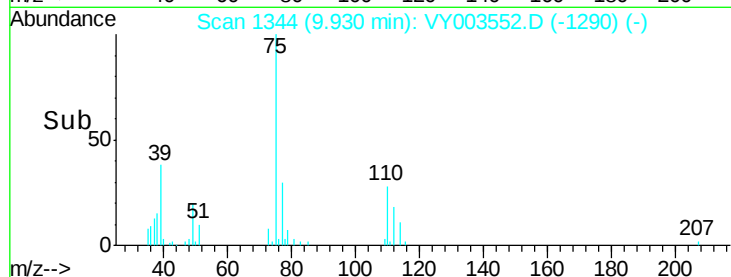
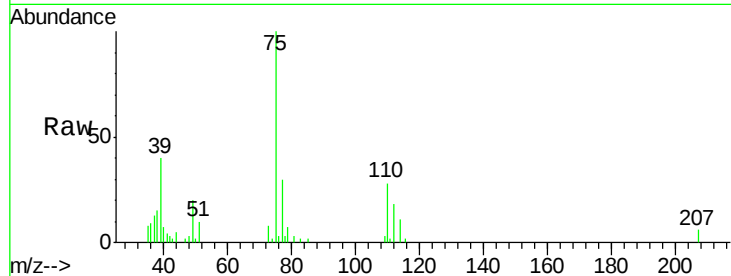
cis-1,3-Dichloropropene
Concen: 1.174 ug/L
RT: 9.93 min Scan# 1344
Delta R.T. -0.00 min
Lab File: VY003552.D
Acq: 19 Nov 2020 16:54

Instrument :
MSVOA_Y
ClientSampled :
MDL05

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.6	23.2	43.0

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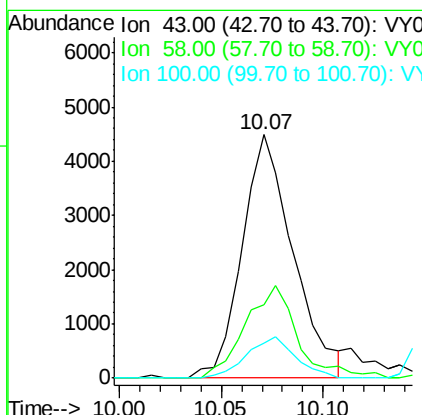
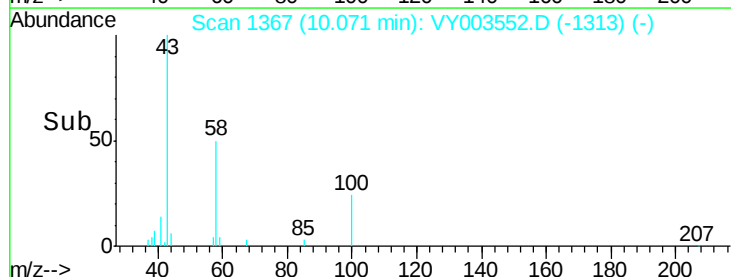
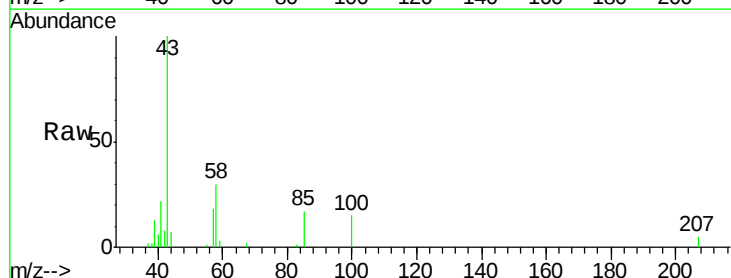
MMDadoda
11/20/2020 10:22:56 AM

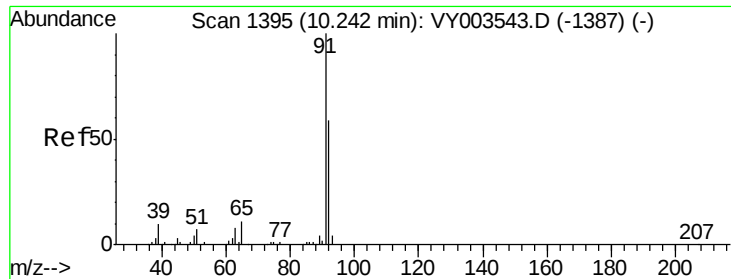


#43

4-Methyl-2-pentanone
Concen: 2.928 ug/L
RT: 10.07 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VY003552.D
Acq: 19 Nov 2020 16:54

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.6	30.2	45.2
100	16.1	11.7	17.5





#44

Toluene

Concen: 1.206 ug/L

RT: 10.24 min Scan# 1395

Delta R.T. -0.00 min

Lab File: VY003552.D

Acq: 19 Nov 2020 16:54

Instrument :

MSVOA_Y

ClientSampleId :

MDL05

Tot Ion: 91 Resp: 16446

Ion Ratio Lower Upper

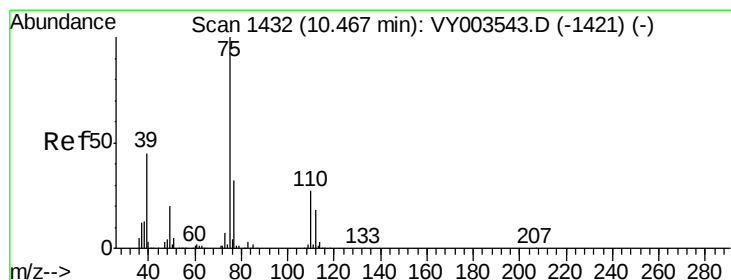
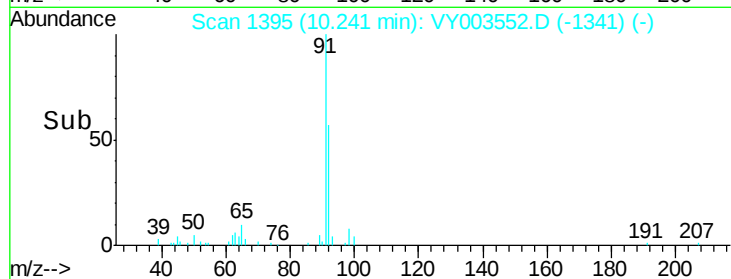
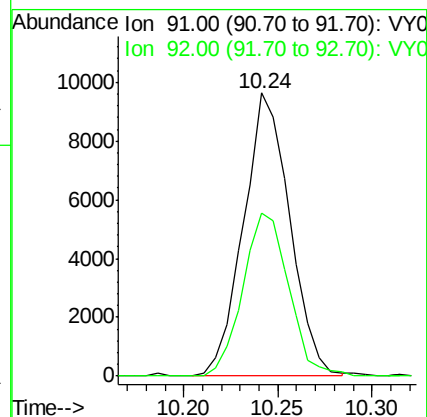
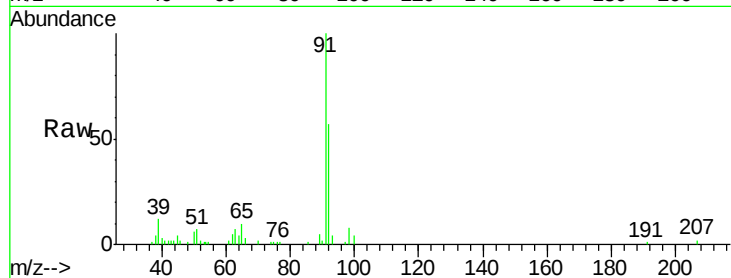
91 100

92 57.4 41.0 76.2

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#45

trans-1,3-Dichloropropene

Concen: 1.219 ug/L

RT: 10.46 min Scan# 1431

Delta R.T. -0.01 min

Lab File: VY003552.D

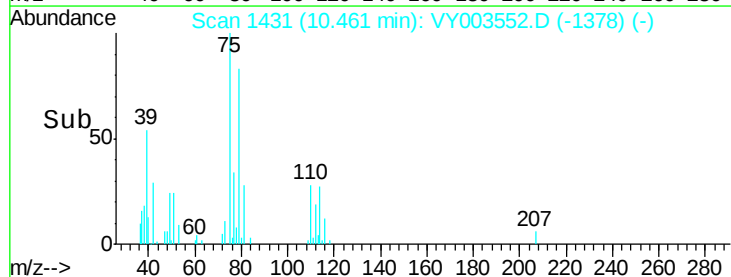
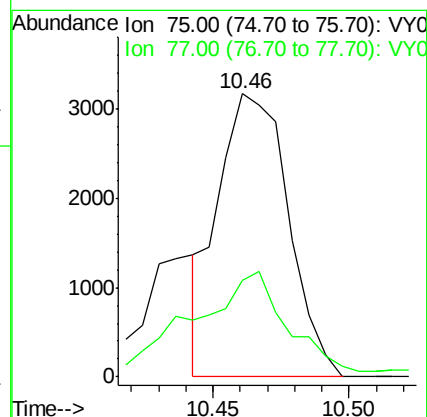
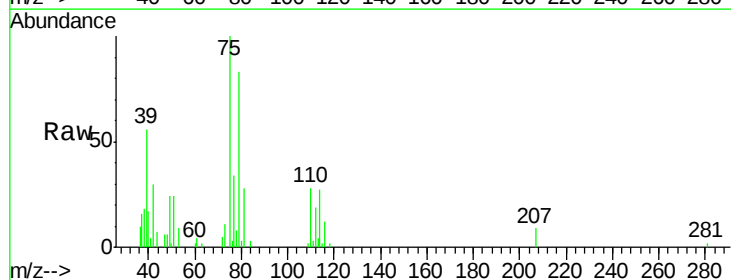
Acq: 19 Nov 2020 16:54

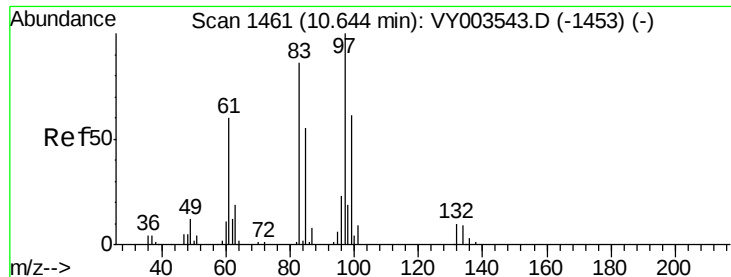
Tgt Ion: 75 Resp: 5645

Ion Ratio Lower Upper

75 100

77 34.3 22.1 41.1





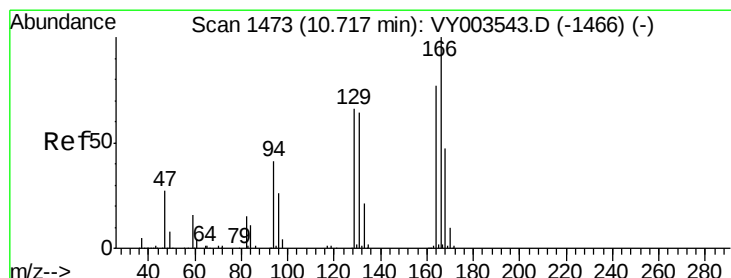
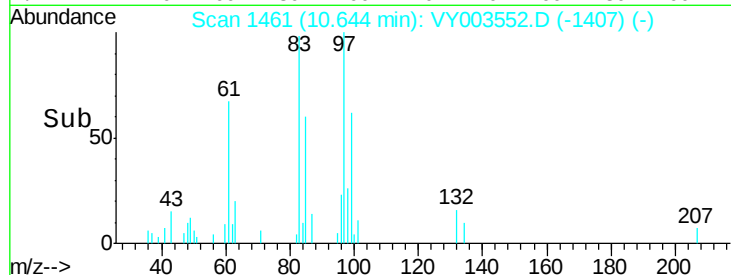
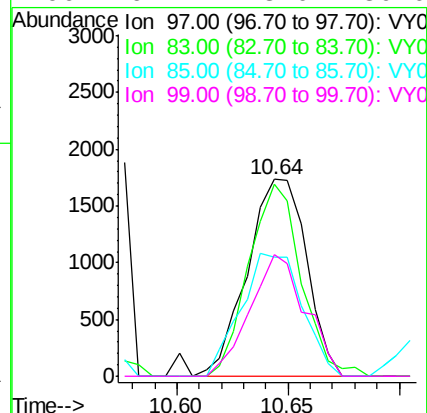
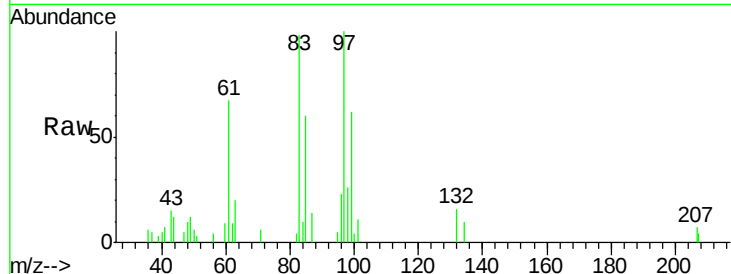
#46
 1,1,2-Trichloroethane
 Concen: 1.256 ug/L
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.00 min
 Lab File: VY003552.D
 Acq: 19 Nov 2020 16:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL05

Tot Ion:	97	Resp:	3201
Ion	Ratio	Lower	Upper
97	100		
83	97.5	60.1	111.5
85	60.4	38.9	72.2
99	62.1	43.0	80.0

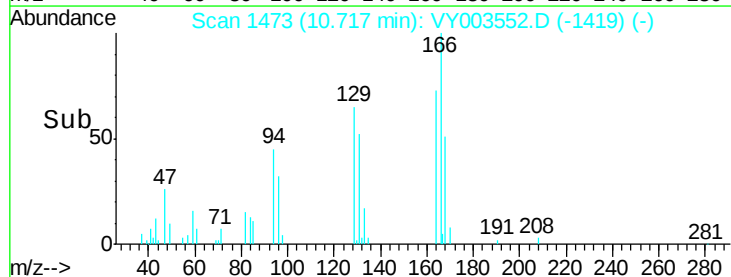
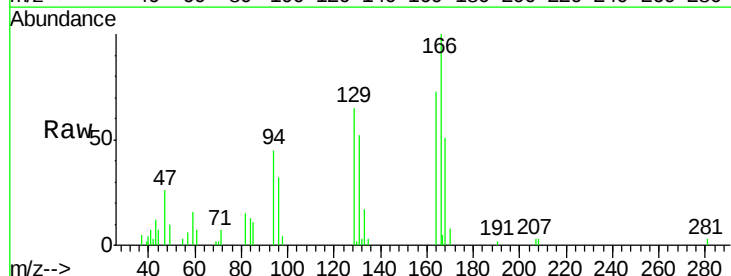
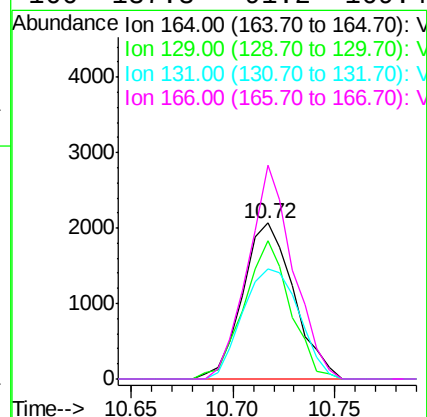
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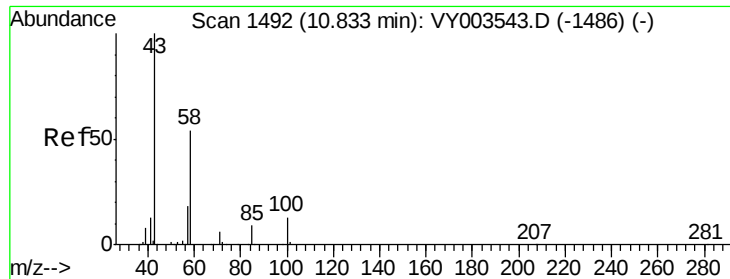
MMDadoda
 11/20/2020 10:22:56 AM



#47
 Tetrachloroethene
 Concen: 1.263 ug/L
 RT: 10.72 min Scan# 1473
 Delta R.T. -0.00 min
 Lab File: VY003552.D
 Acq: 19 Nov 2020 16:54

Tgt Ion:	164	Resp:	3595
Ion	Ratio	Lower	Upper
164	100		
129	89.1	60.6	112.6
131	70.7	58.7	109.1
166	137.3	91.2	169.4





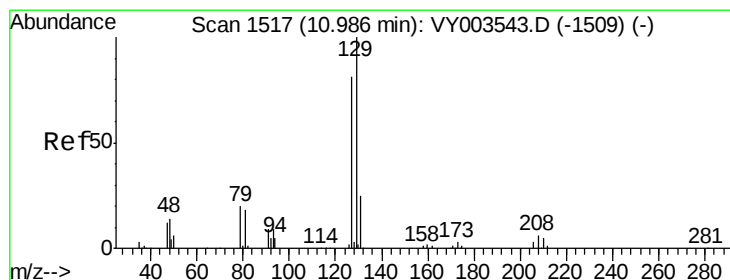
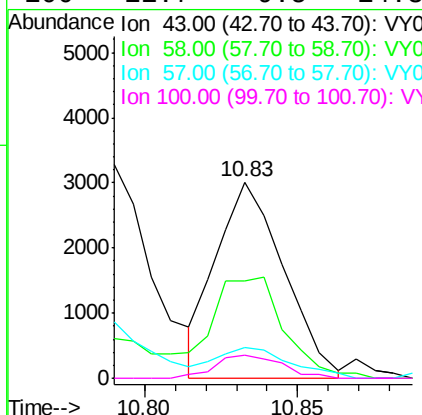
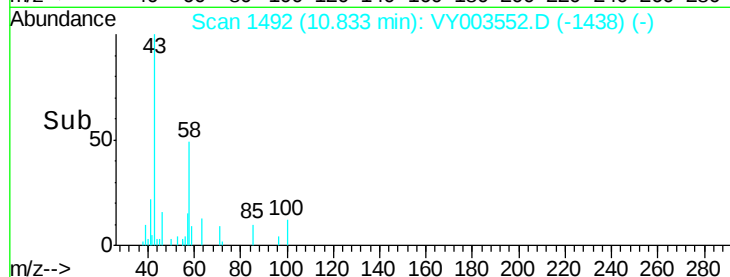
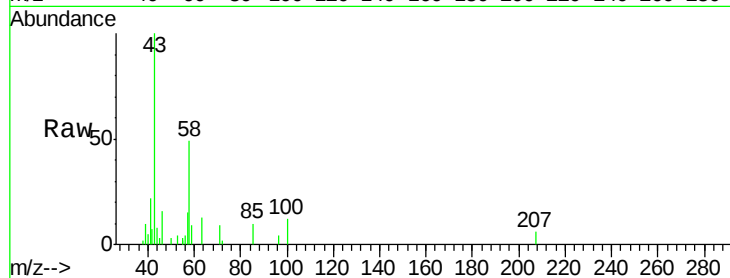
#49
2-Hexanone
Concen: 2.187 ug/L
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY003552.D
Acq: 19 Nov 2020 16:54

Instrument :
MSVOA_Y
ClientSampleId :
MDL05

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.4	42.1	63.1
57	17.3	14.2	21.2
100	11.7	9.5	14.3

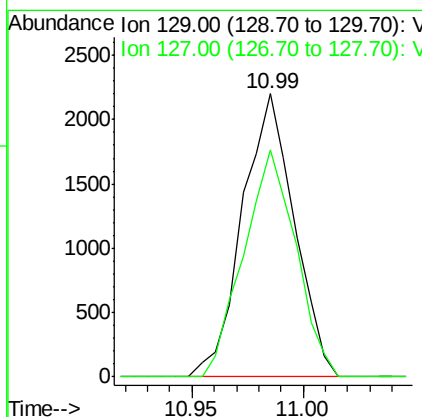
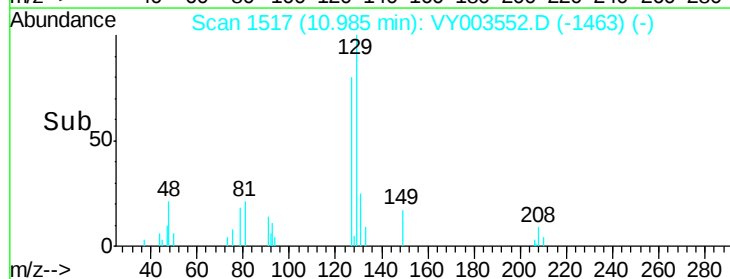
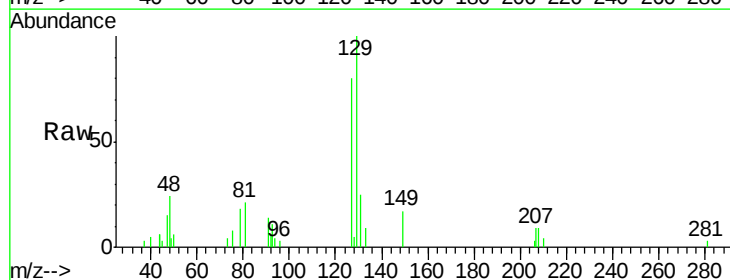
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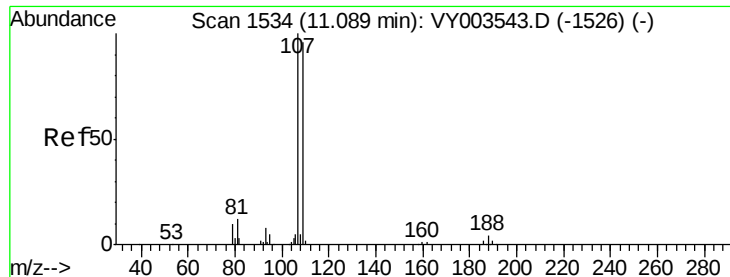
MMDadoda
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#50
Dibromochloromethane
Concen: 1.162 ug/L
RT: 10.99 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY003552.D
Acq: 19 Nov 2020 16:54

Tgt Ion	Ratio	Lower	Upper
129	100		
127	80.2	56.6	105.0





#51

1,2-Dibromoethane

Concen: 1.263 ug/L

RT: 11.09 min Scan# 1534

Delta R.T. -0.00 min

Lab File: VY003552.D

Acq: 19 Nov 2020 16:54

Instrument :

MSVOA_Y

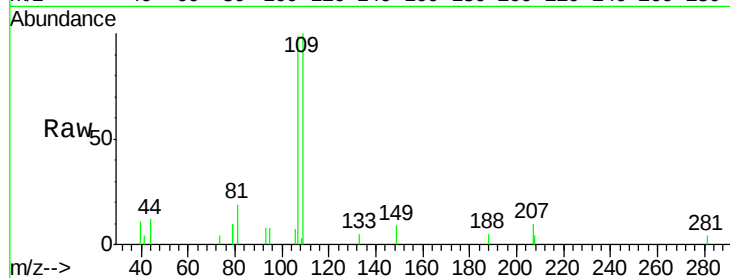
ClientSampleId :

MDL05

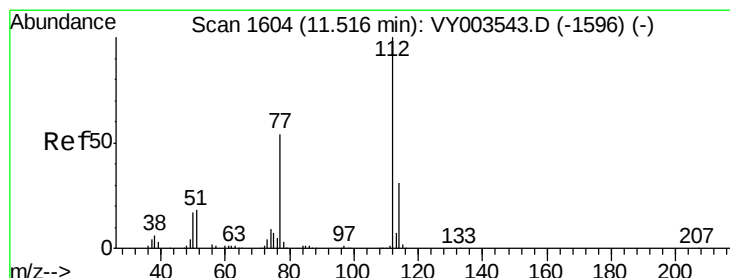
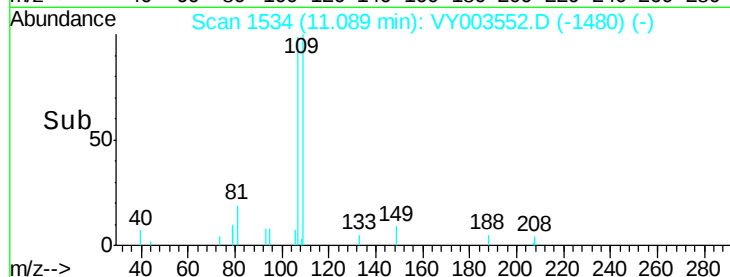
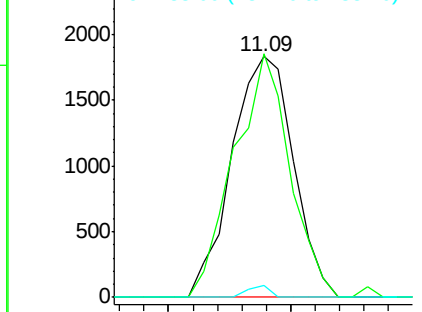
Tot Ion:	107	Resp:	3208
Ion	Ratio	Lower	Upper
107	100		
109	101.2	66.8	124.2
188	4.9	3.3	4.9

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Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 1.195 ug/L

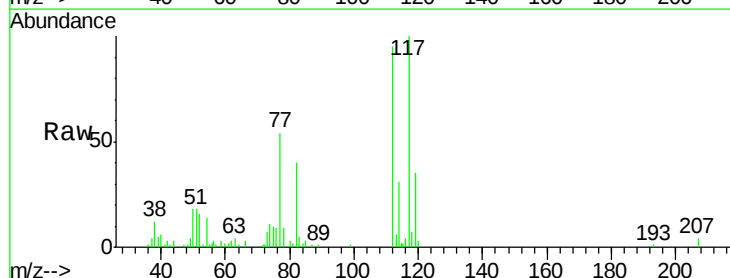
RT: 11.52 min Scan# 1604

Delta R.T. -0.00 min

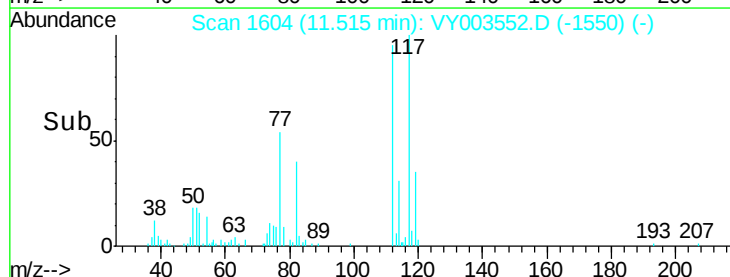
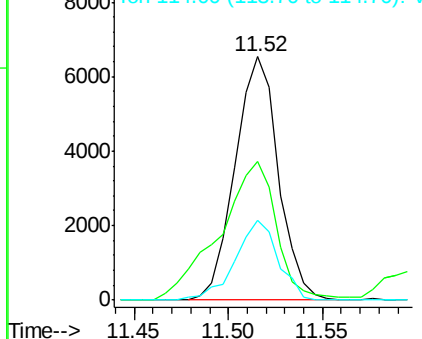
Lab File: VY003552.D

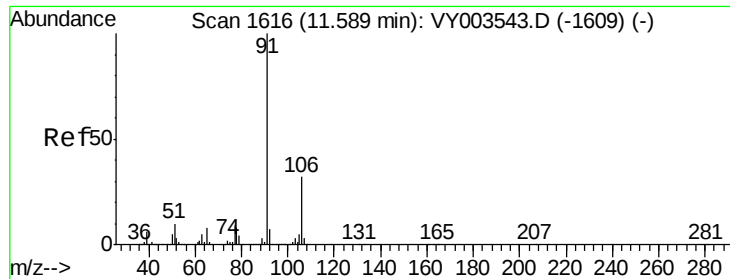
Acq: 19 Nov 2020 16:54

Tgt Ion:	112	Resp:	10409
Ion	Ratio	Lower	Upper
112	100		
77	56.8	43.3	64.9
114	32.7	21.9	40.7



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 77.00 (76.70 to 77.70): VY0
Ion 114.00 (113.70 to 114.70): V





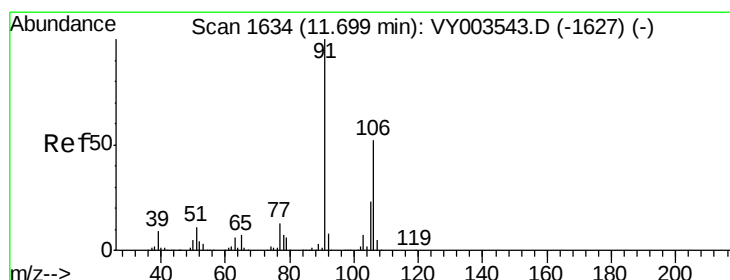
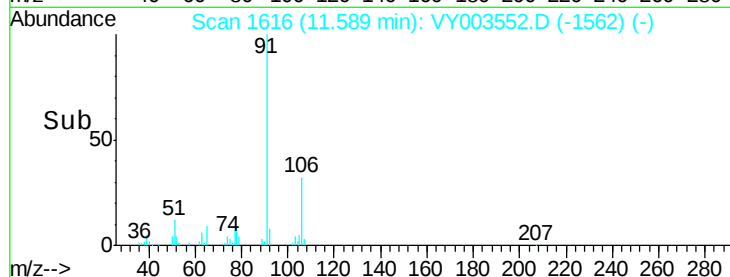
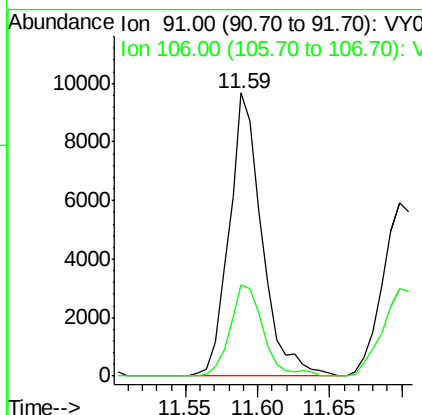
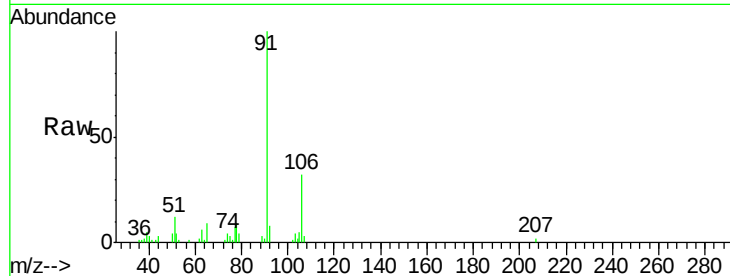
#53
Ethylbenzene
Concen: 1.100 ug/L
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY003552.D
Acq: 19 Nov 2020 16:54

Instrument :
MSVOA_Y
ClientSampleId :
MDL05

Tot Ion: 91 Resp: 15406
Ion Ratio Lower Upper
91 100
106 32.2 22.5 41.7

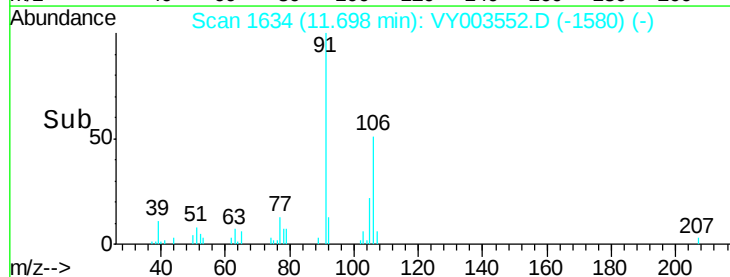
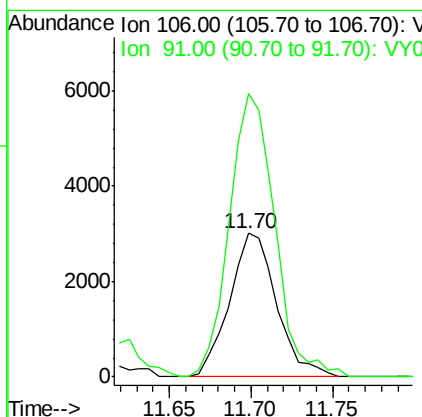
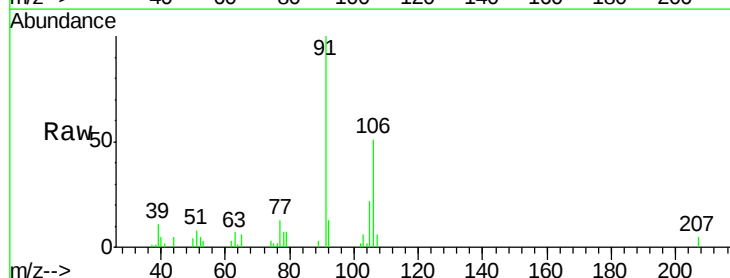
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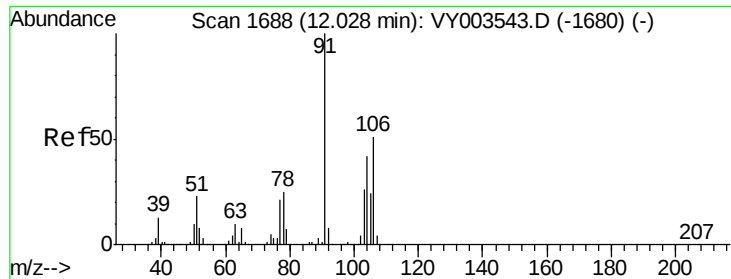
MMDadoda
11/20/2020 10:22:56 AM



#54
m,p-Xylene
Concen: 1.125 ug/L
RT: 11.70 min Scan# 1634
Delta R.T. -0.00 min
Lab File: VY003552.D
Acq: 19 Nov 2020 16:54

Tgt Ion: 106 Resp: 6063
Ion Ratio Lower Upper
106 100
91 197.2 135.6 251.8





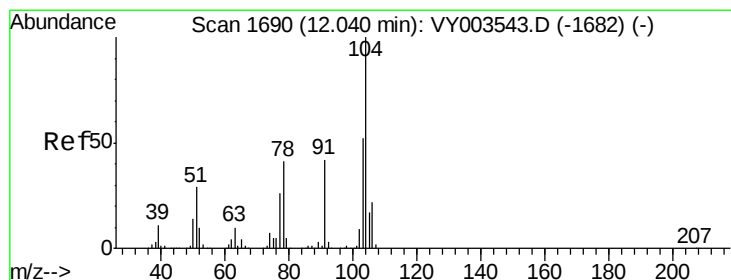
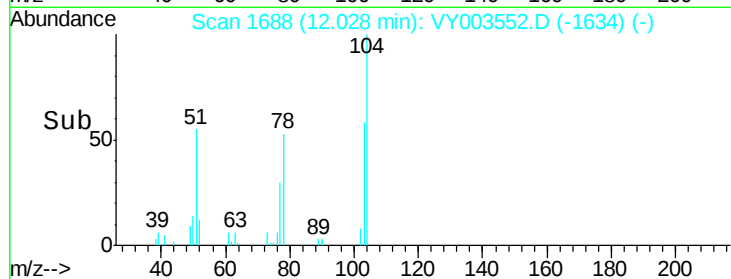
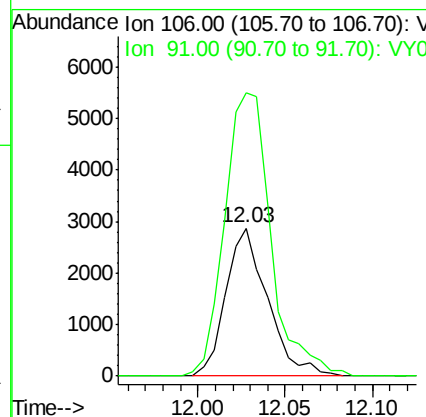
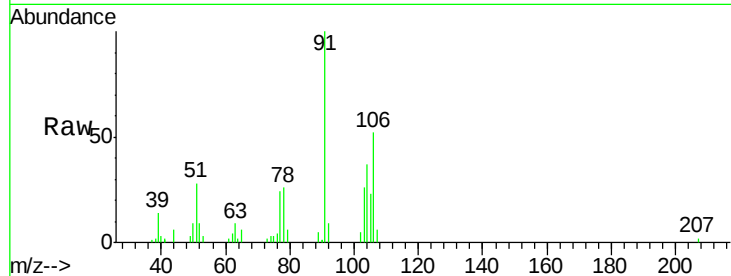
#55
o-xylene
Concen: 1.060 ug/L
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY003552.D
Acq: 19 Nov 2020 16:54

Instrument :
MSVOA_Y
ClientSampleId :
MDL05

Tot Ion:106 Resp: 4771
Ion Ratio Lower Upper
106 100
91 191.2 138.3 256.8

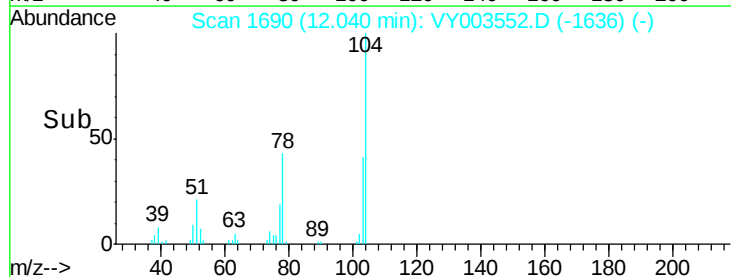
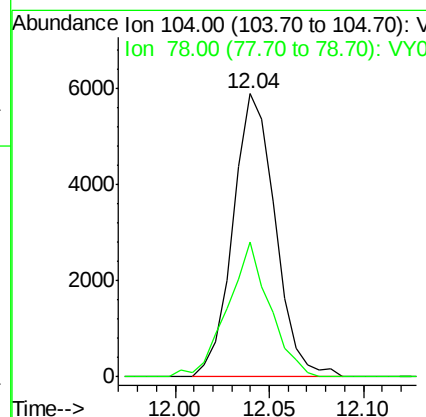
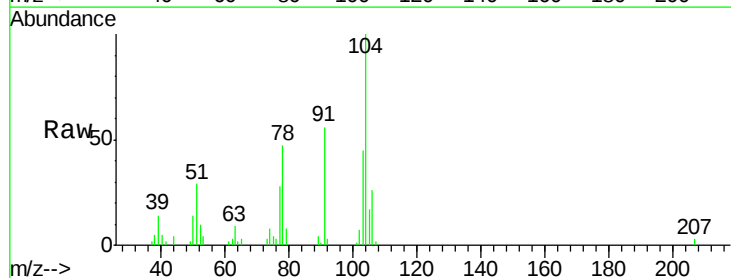
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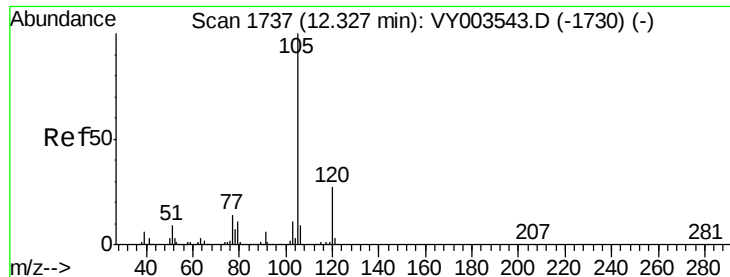
MMDadoda
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#56
Styrene
Concen: 1.040 ug/L
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY003552.D
Acq: 19 Nov 2020 16:54

Tgt Ion:104 Resp: 9162
Ion Ratio Lower Upper
104 100
78 47.5 28.8 53.6





#57

Isopropylbenzene

Concen: 1.034 ug/L

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY003552.D

Acq: 19 Nov 2020 16:54

Instrument :

MSVOA_Y

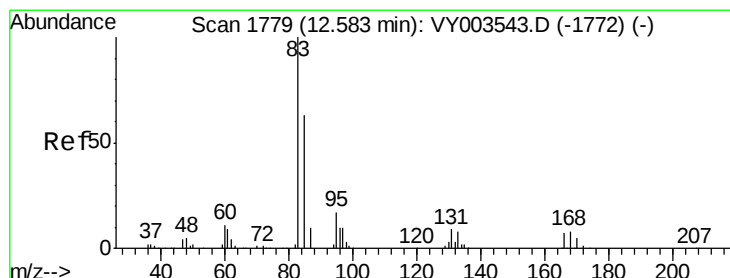
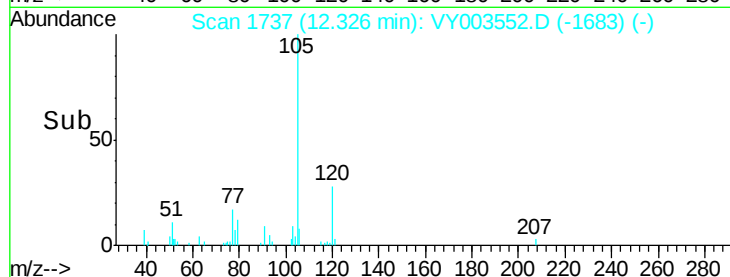
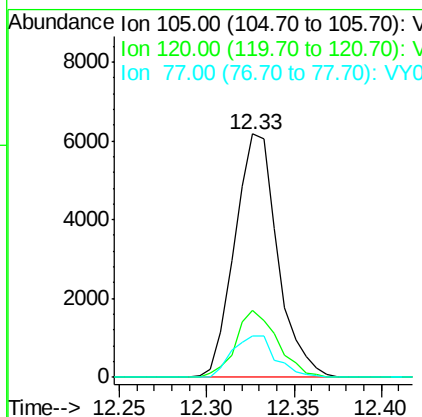
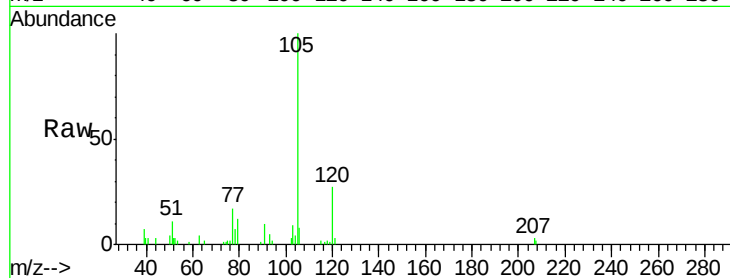
ClientSampleId :

MDL05

Tot Ion:	105	Resp:	10530
Ion Ratio	Lower	Upper	
105	100		
120	26.9	21.7	32.5
77	17.4	12.1	18.1

Manual Integrations
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#58

1,1,2,2-Tetrachloroethane

Concen: 1.224 ug/L

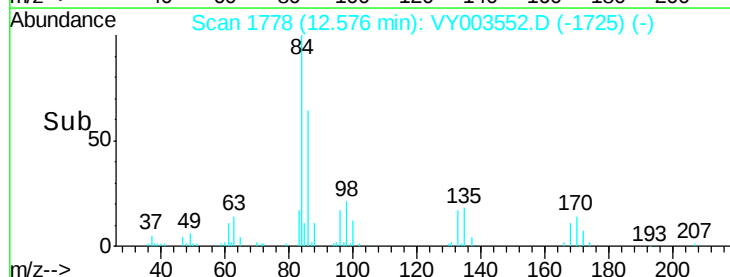
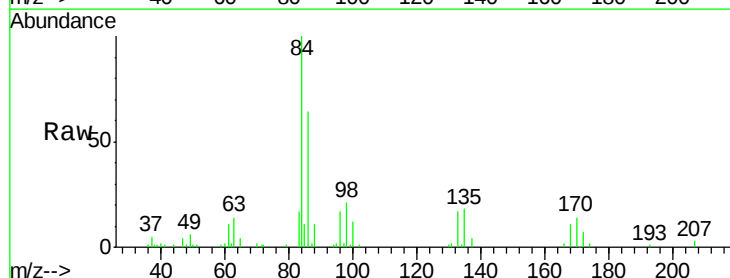
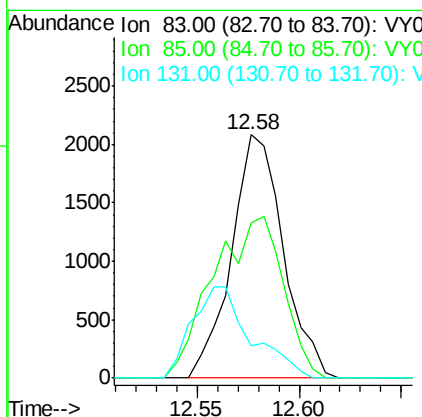
RT: 12.58 min Scan# 1778

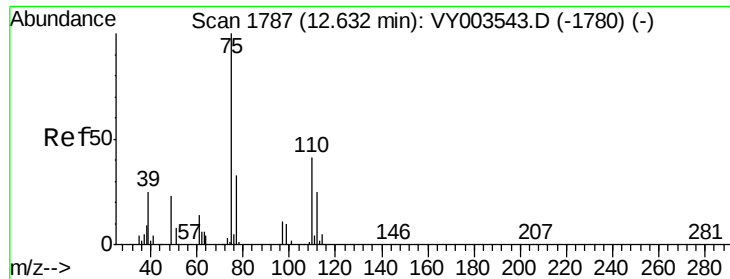
Delta R.T. -0.01 min

Lab File: VY003552.D

Acq: 19 Nov 2020 16:54

Tgt Ion:	83	Resp:	3680
Ion Ratio	Lower	Upper	
83	100		
85	64.0	44.8	83.2
131	13.2	7.3	10.9#





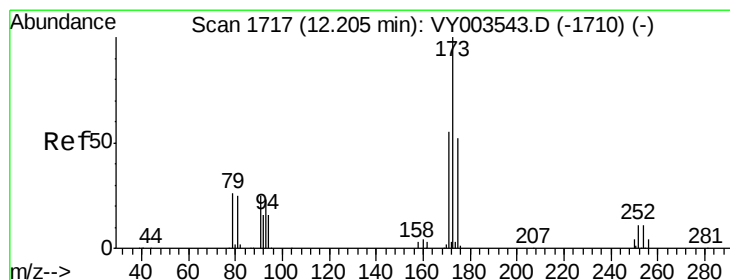
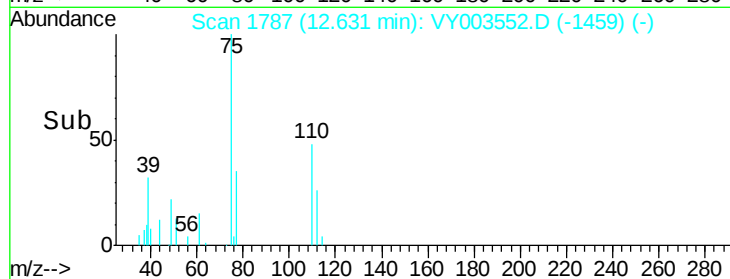
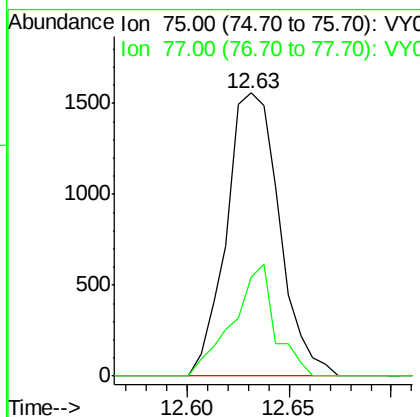
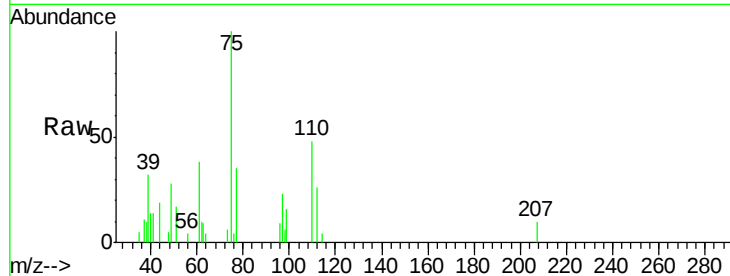
#59
 1,2,3-Trichloropropane
 Concen: 1.199 ug/L
 RT: 12.63 min Scan# 1787
 Delta R.T. -0.00 min
 Lab File: VY003552.D
 Acq: 19 Nov 2020 16:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL05

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	26.2	39.2

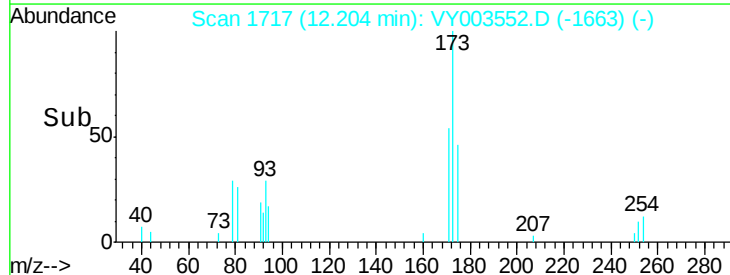
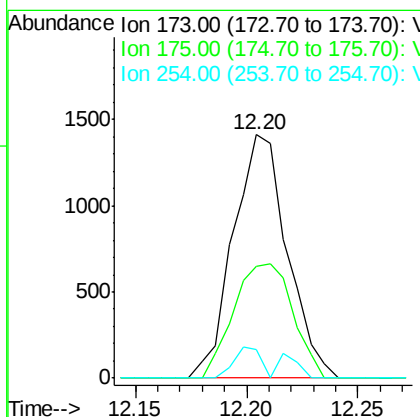
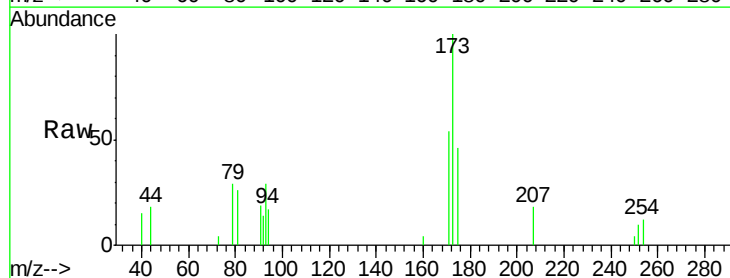
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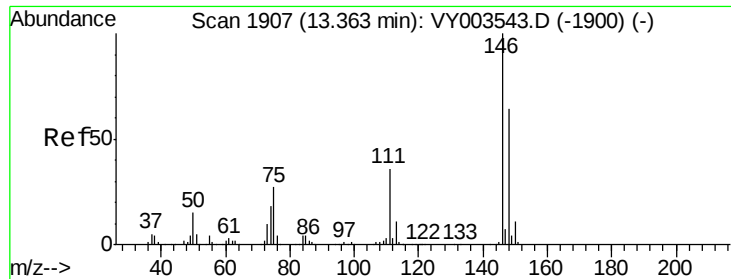
MMDadoda
 11/20/2020 10:22:56 AM



#62
 Bromoform
 Concen: 1.215 ug/L
 RT: 12.20 min Scan# 1717
 Delta R.T. -0.00 min
 Lab File: VY003552.D
 Acq: 19 Nov 2020 16:54

Tgt Ion	Ratio	Lower	Upper
173	100		
175	0.0	39.5	59.3#
254	6.3	8.6	12.8#





#63

1,3-Dichlorobenzene

Concen: 1.163 ug/L

RT: 13.36 min Scan# 1907

Delta R.T. -0.00 min

Lab File: VY003552.D

Acq: 19 Nov 2020 16:54

Instrument :

MSVOA_Y

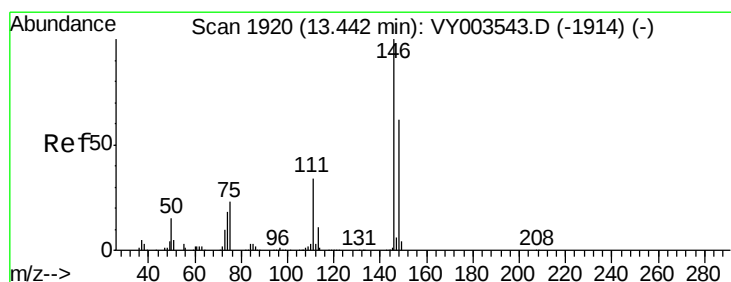
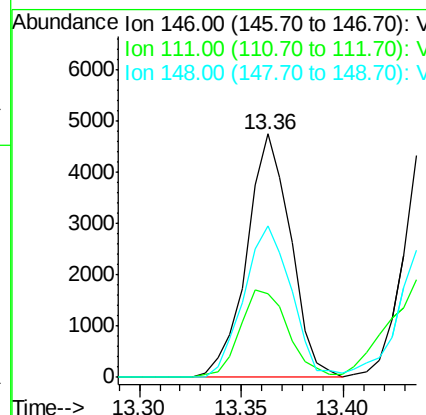
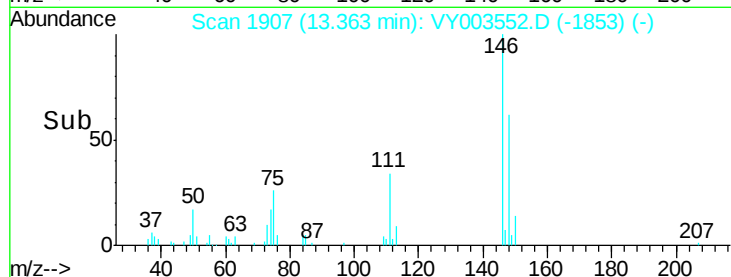
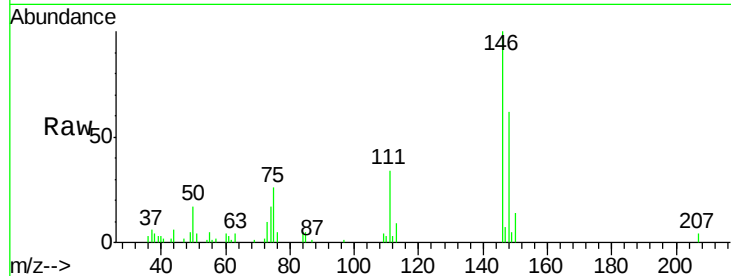
ClientSampleId :

MDL05

Tot Ion:	146	Resp:	7093
Ion	Ratio	Lower	Upper
146	100		
111	34.1	25.1	46.5
148	62.3	44.7	82.9

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#64

1,4-Dichlorobenzene

Concen: 1.343 ug/L

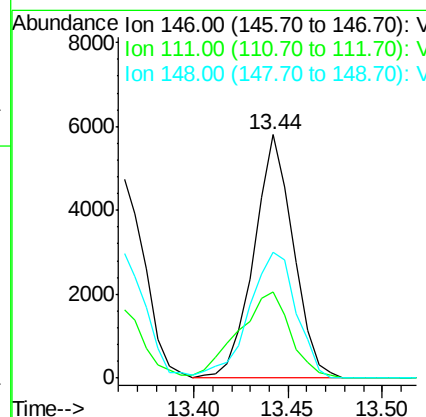
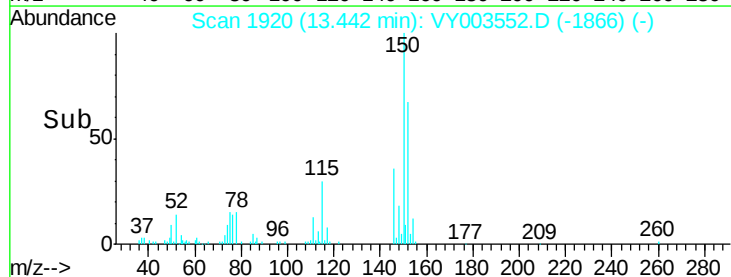
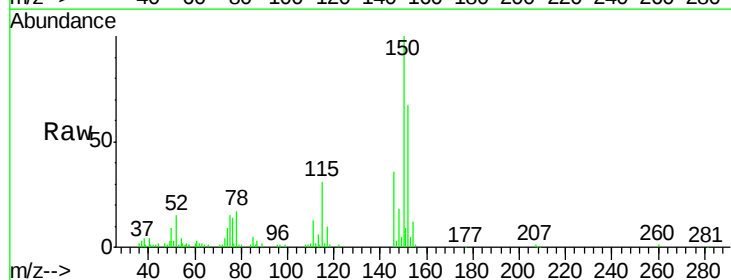
RT: 13.44 min Scan# 1920

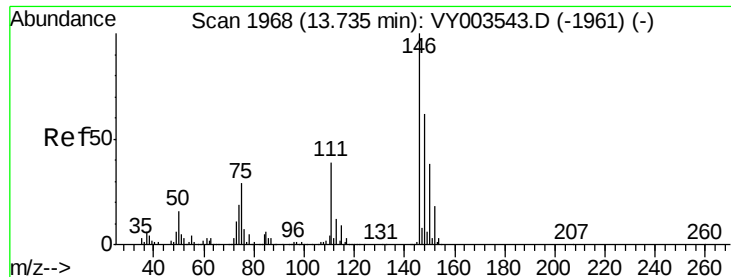
Delta R.T. -0.00 min

Lab File: VY003552.D

Acq: 19 Nov 2020 16:54

Tgt Ion:	146	Resp:	8433
Ion	Ratio	Lower	Upper
146	100		
111	35.6	24.1	44.8
148	51.8	43.6	81.0





#65

1,2-Dichlorobenzene

Concen: 1.286 ug/L

RT: 13.73 min Scan# 1968

Delta R.T. -0.00 min

Lab File: VY003552.D

Acq: 19 Nov 2020 16:54

Instrument :

MSVOA_Y

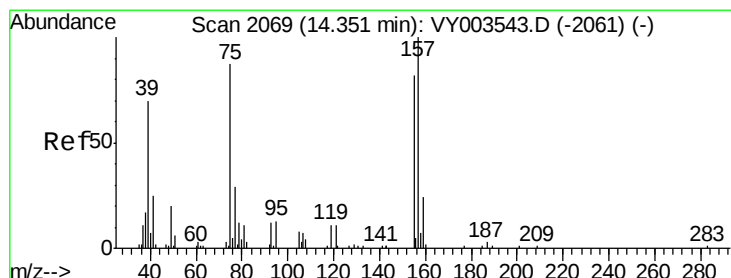
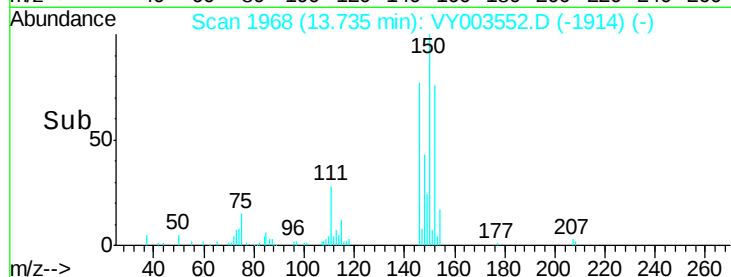
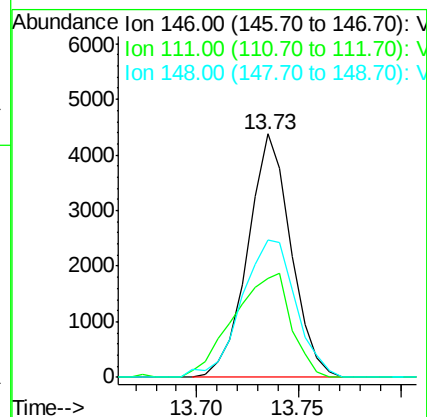
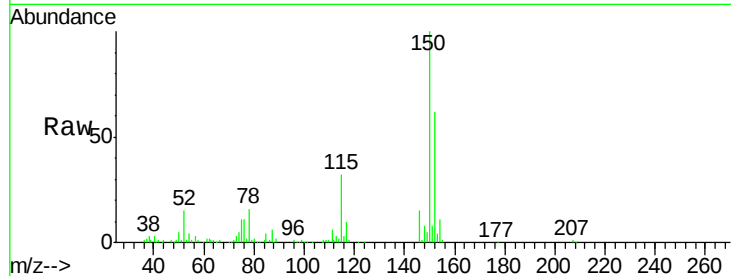
ClientSampleId :

MDL05

Tot Ion:	146	Resp:	6457
Ion Ratio	Lower	Upper	
146	100		
111	40.4	31.0	46.6
148	56.7	49.8	74.8

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#66

1,2-Dibromo-3-chloropropane

Concen: 1.439 ug/L m

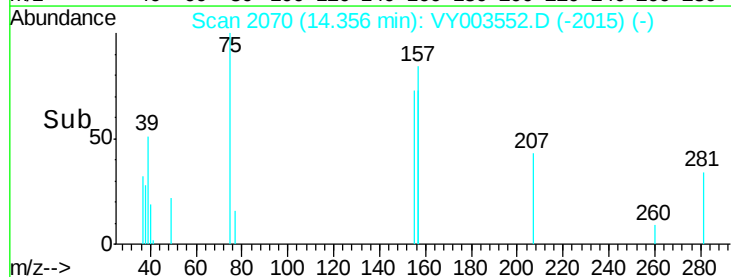
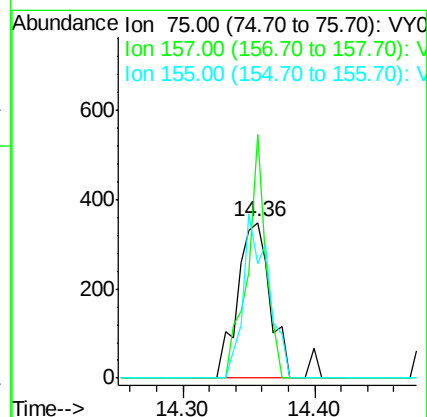
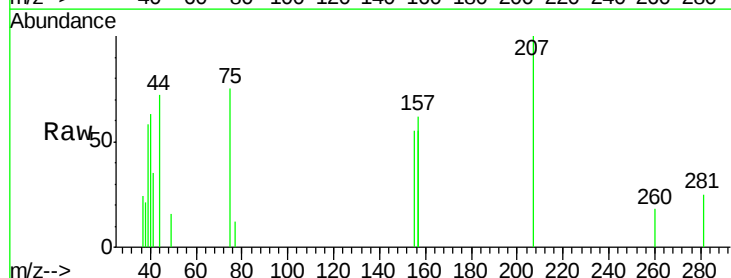
RT: 14.36 min Scan# 2070

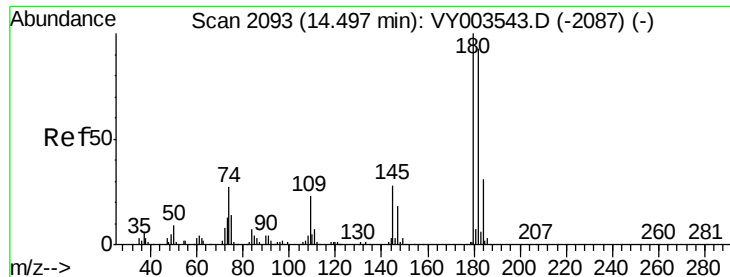
Delta R.T. 0.01 min

Lab File: VY003552.D

Acq: 19 Nov 2020 16:54

Tgt Ion:	75	Resp:	615
Ion Ratio	Lower	Upper	
75	100		
157	83.6	91.8	137.6#
155	73.3	75.7	113.5#





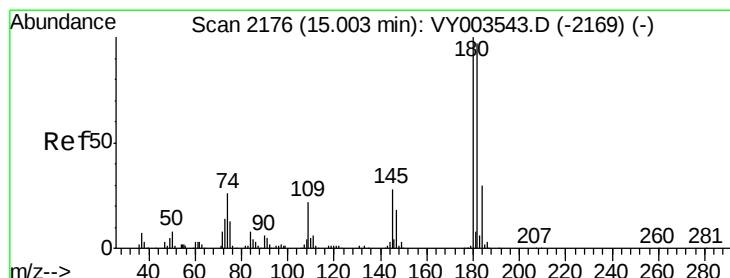
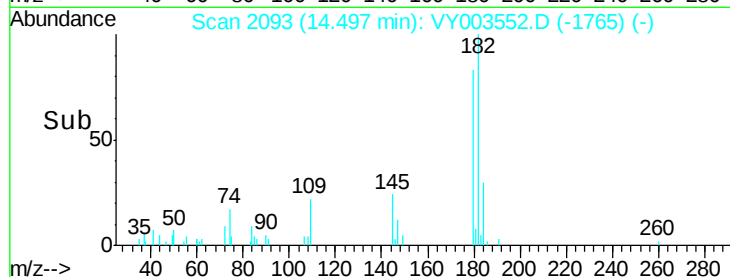
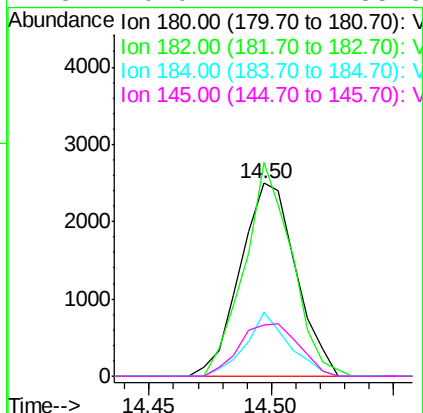
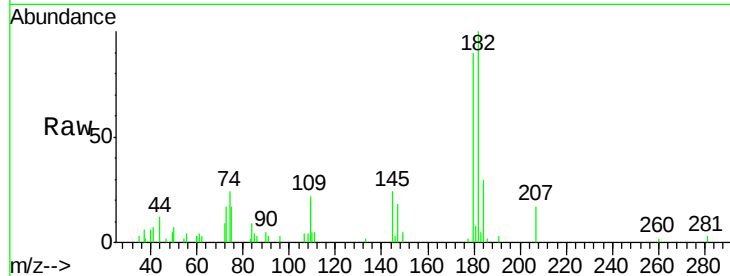
#67
 1,3,5-Trichlorobenzene
 Concen: 1.231 ug/L
 RT: 14.50 min Scan# 2093
 Delta R.T. -0.00 min
 Lab File: VY003552.D
 Acq: 19 Nov 2020 16:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL05

Tot Ion:180	Resp:	3981
Ion Ratio	Lower	Upper
180	100	
182	94.2	77.3 115.9
184	25.7	24.4 36.6
145	29.0	22.4 33.6

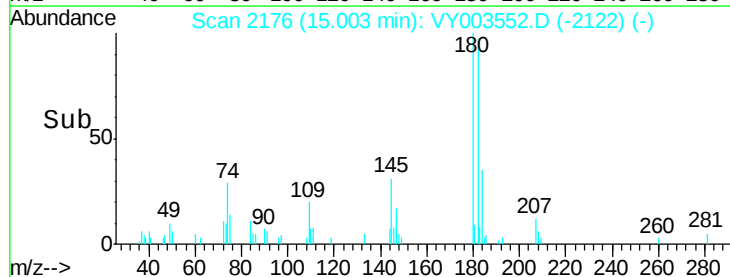
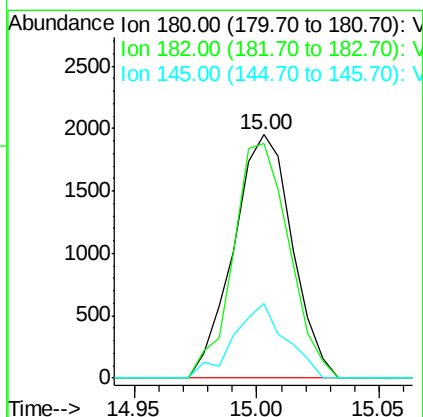
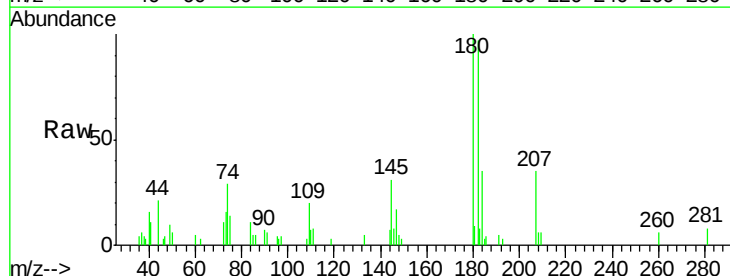
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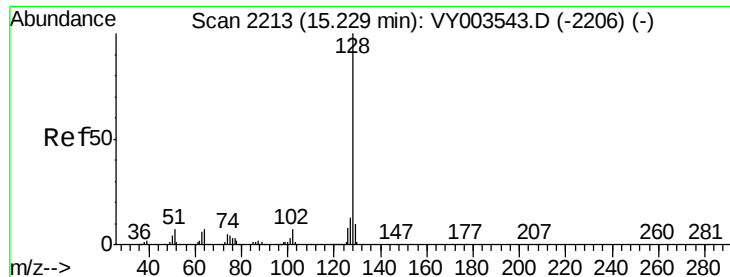
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#68
 1,2,4-trichlorobenzene
 Concen: 1.170 ug/L
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VY003552.D
 Acq: 19 Nov 2020 16:54

Tgt Ion:180	Resp:	3260
Ion Ratio	Lower	Upper
180	100	
182	91.6	76.5 114.7
145	27.1	22.8 34.2





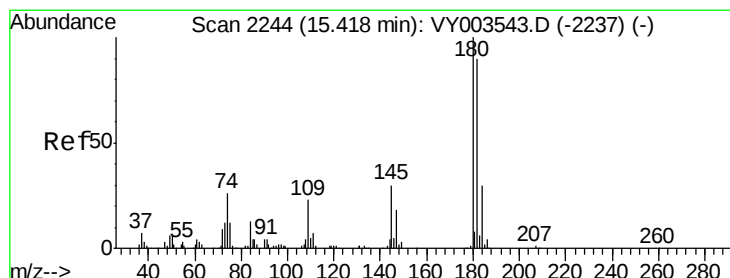
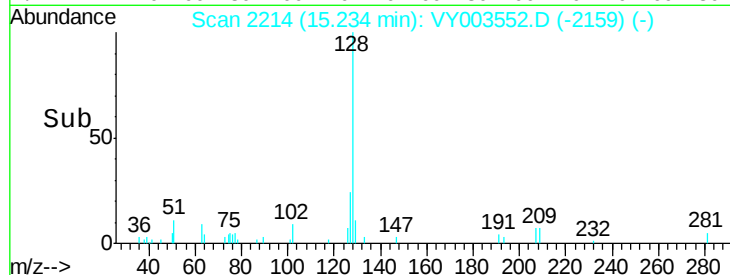
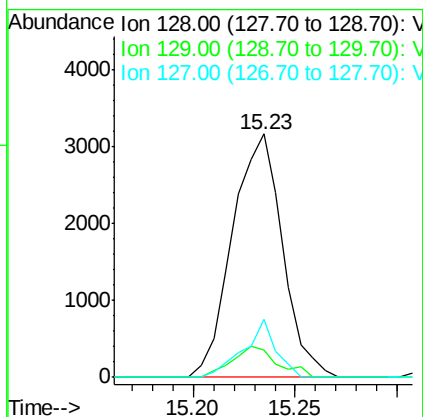
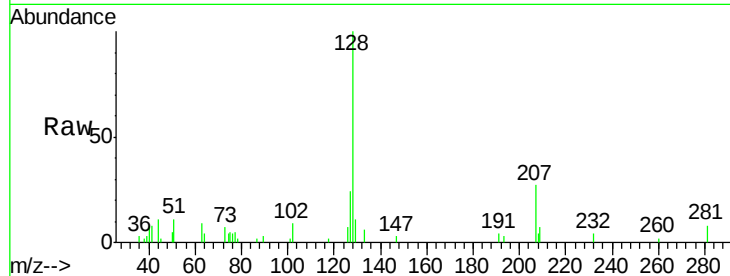
#69
Naphthalene
Concen: 1.097 ug/L
RT: 15.23 min Scan# 2214
Delta R.T. 0.01 min
Lab File: VY003552.D
Acq: 19 Nov 2020 16:54

Instrument :
MSVOA_Y
ClientSampleId :
MDL05

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.5	12.7
127	15.1	10.2	15.2

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#70
1,2,3-Trichlorobenzene
Concen: 1.245 ug/L
RT: 15.42 min Scan# 2245
Delta R.T. 0.01 min
Lab File: VY003552.D
Acq: 19 Nov 2020 16:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	87.0	76.5	114.7
145	15.1	25.2	37.8#

