

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111219\
 Data File : VY000658.D
 Acq On : 12 Nov 2019 16:01
 Operator : SY/MD
 Sample : MDL06
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL06

Manual Integrations
 APPROVED

MMDadoda
 11/15/2019 3:07:16 PM

Quant Time: Nov 13 10:15:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111219S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 13 03:17:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	346375	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	314608	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	143856	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	124771	25.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.04%
7) Chloroethane-d5	2.76	69	110876	25.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.04%
10) 1,1-Dichloroethene-d2	3.86	63	175225	19.39	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	77.56%
20) 2-Butanone-d5	6.91	46	98752	48.93	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.86%
24) Chloroform-d	7.49	84	225698	24.83	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.32%
26) 1,2-Dichloroethane-d4	8.15	65	136067	25.82	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	103.28%
29) Benzene-d6	8.12	84	481967	26.38	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	105.52%
33) 1,2-Dichloropropane-d6	9.13	67	150946	26.36	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	105.44%
37) Toluene-d8	10.18	98	432667	25.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.40%
38) trans-1,3-Dichloropropene-	10.44	79	66873	25.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.12%
39) 2-Hexanone-d5	10.79	63	75264	48.63	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.26%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	133573	23.98	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.92%
61) 1,2-Dichlorobenzene-d4	13.72	152	148910	25.88	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.52%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.90	85	5791	1.265 ug/L	99
3) Chloromethane	2.12	50	6260	1.091 ug/L	100
5) Vinyl chloride	2.26	62	6775	1.183 ug/L #	69
6) Bromomethane	2.66	94	3973	1.271 ug/L	89
8) Chloroethane	2.80	64	3782	1.053 ug/L	89
9) Trichlorofluoromethane	3.13	101	9585m	1.182 ug/L	
11) 1,1,2-Trichloro-1,2,2-trif	3.90	101	6346m	1.379 ug/L	
12) 1,1-Dichloroethene	3.88	96	6396	1.424 ug/L #	1
13) Acetone	3.96	43	4979m	3.372 ug/L	
14) Carbon disulfide	4.20	76	14145	1.021 ug/L #	91
15) Methyl Acetate	4.48	43	3720m	1.100 ug/L	
16) Methylene chloride	4.72	84	11822	2.068 ug/L	84
17) Methyl tert-butyl Ether	5.23	73	15282m	1.118 ug/L	
18) trans-1,2-Dichloroethene	5.23	96	5906	1.178 ug/L	77
19) 1,1-Dichloroethane	6.02	63	10615	1.203 ug/L #	82
21) 2-Butanone	7.00	43	7967m	3.062 ug/L	
22) cis-1,2-Dichloroethene	7.00	96	6034	1.088 ug/L	88

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

23) Bromochloromethane	7.35	128	2906	1.200	ug/L #	87
25) Chloroform	7.52	83	17081	1.796	ug/L	77
27) 1,2-Dichloroethane	8.25	62	7363	1.158	ug/L #	94
30) Cyclohexane	7.79	56	9777	1.139	ug/L #	86
31) 1,1,1-Trichloroethane	7.71	97	8527m	1.100	ug/L	
32) Carbon tetrachloride	7.91	117	7754	1.148	ug/L	96
34) Benzene	8.16	78	22151	1.077	ug/L	100
35) Trichloroethene	8.95	95	6159	1.142	ug/L	97
36) Methylcyclohexane	9.19	83	10409	1.128	ug/L	93
40) 1,2-Dichloropropane	9.23	63	5665	1.087	ug/L #	88
41) Bromodichloromethane	9.50	83	8258	1.231	ug/L #	88
42) cis-1,3-Dichloropropene	9.93	75	8552	1.018	ug/L	95
43) 4-Methyl-2-pentanone	10.08	43	11363	2.279	ug/L	98
44) Toluene	10.25	91	25670	1.154	ug/L	99
45) trans-1,3-Dichloropropene	10.46	75	7885	1.093	ug/L	96
46) 1,1,2-Trichloroethane	10.64	97	4592	1.074	ug/L #	79
47) Tetrachloroethene	10.72	164	5090	1.264	ug/L #	75
49) 2-Hexanone	10.84	43	9687	2.495	ug/L #	90
50) Dibromochloromethane	10.99	129	5385	1.115	ug/L	83
51) 1,2-Dibromoethane	11.08	107	4168	1.002	ug/L #	90
52) Chlorobenzene	11.52	112	15662	1.110	ug/L #	81
53) Ethylbenzene	11.59	91	27428	1.090	ug/L	87
54) m,p-Xylene	11.70	106	10414	1.094	ug/L	98
55) o-xylene	12.03	106	10120	1.083	ug/L	72
56) Styrene	12.04	104	15903	1.024	ug/L	96
57) Isopropylbenzene	12.33	105	25340	1.042	ug/L	96
58) 1,1,1,2,2-Tetrachloroethane	12.58	83	6323	1.185	ug/L #	88
59) 1,2,3-Trichloropropane	12.63	75	4994	1.151	ug/L	97
62) Bromoform	12.20	173	2977	1.090	ug/L #	89
63) 1,3-Dichlorobenzene	13.36	146	12327	1.201	ug/L	93
64) 1,4-Dichlorobenzene	13.45	146	12564	1.225	ug/L #	83
65) 1,2-Dichlorobenzene	13.73	146	11653	1.226	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.36	75	1127	1.248	ug/L #	83
67) 1,3,5-Trichlorobenzene	14.50	180	9157	1.280	ug/L	96
68) 1,2,4-trichlorobenzene	15.00	180	7568	1.184	ug/L	96
69) Naphthalene	15.23	128	17813	1.118	ug/L	96
70) 1,2,3-Trichlorobenzene	15.42	180	6769	1.139	ug/L #	18

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

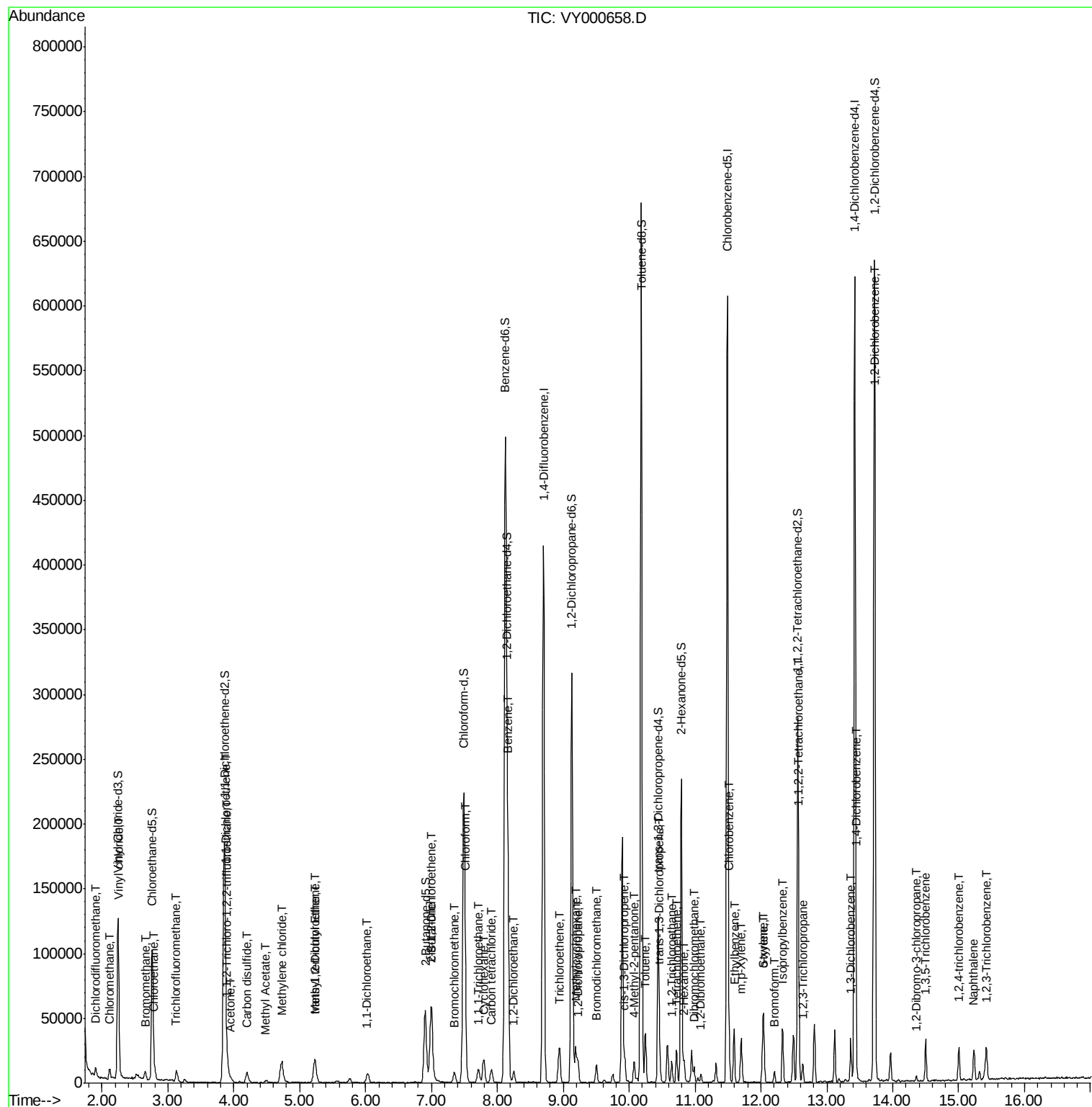
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY111219\
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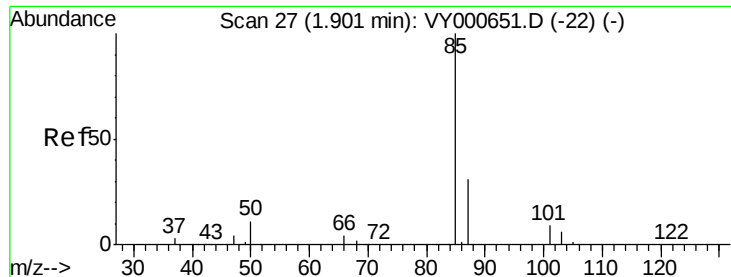
Instrument :
MSVOA_Y
ClientSampleId :
MDL06

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#2

Dichlorodifluoromethane

Concen: 1.265 ug/L

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY000658.D

Acq: 12 Nov 2019 16:01

Instrument :

MSVOA_Y

ClientSampleId :

MDL06

Tot Ion: 85 Resp: 5791

Ion Ratio Lower Upper

85 100

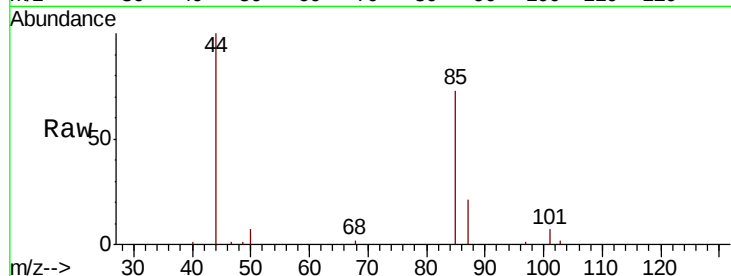
87 33.2 22.7 42.1

Manual Integrations

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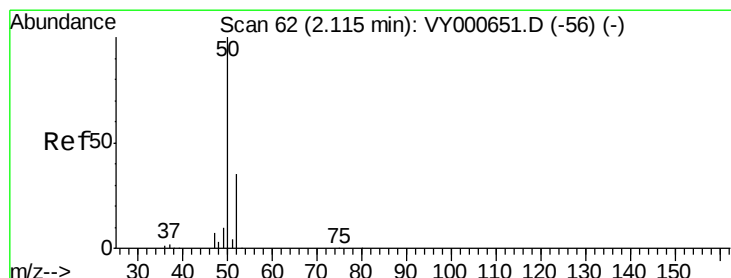
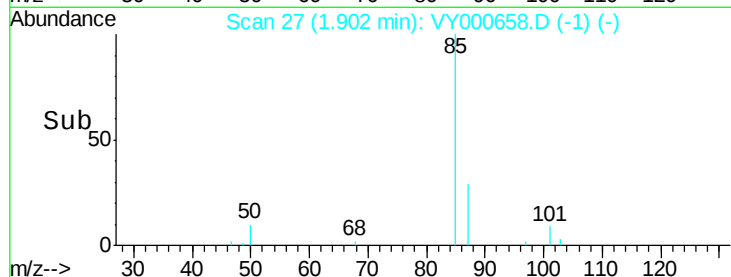
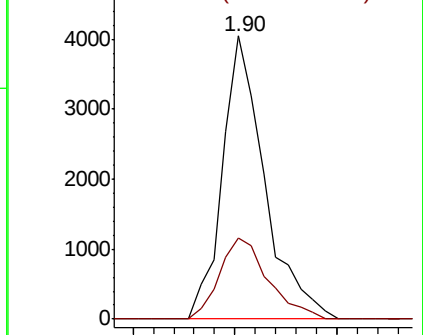
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Abundance Ion 85.00 (84.70 to 85.70): VY0

Ion 87.00 (86.70 to 87.70): VY0



#3

Chloromethane

Concen: 1.091 ug/L

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY000658.D

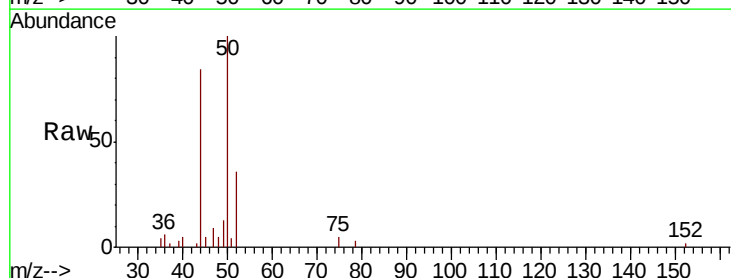
Acq: 12 Nov 2019 16:01

Tgt Ion: 50 Resp: 6260

Ion Ratio Lower Upper

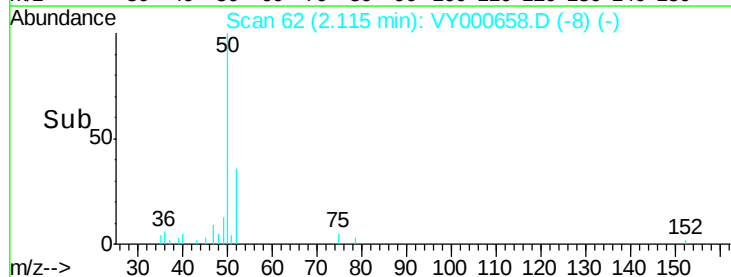
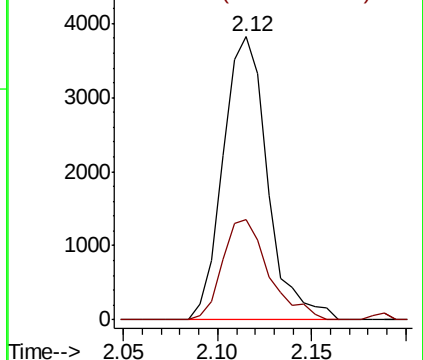
50 100

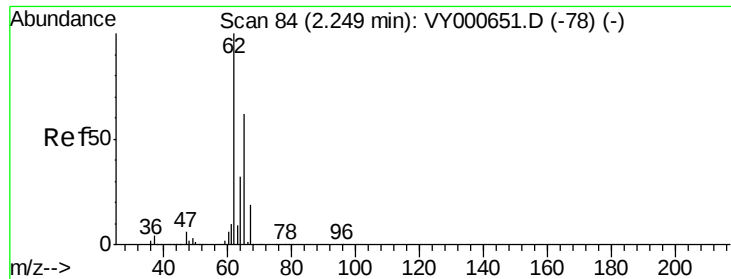
52 35.6 24.9 46.3



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0





#5

Vinyl chloride

Concen: 1.183 ug/L

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY000658.D

Acq: 12 Nov 2019 16:01

Instrument :

MSVOA_Y

ClientSampleId :

MDL06

Tot Ion: 62 Resp: 6775

Ion Ratio Lower Upper

62 100

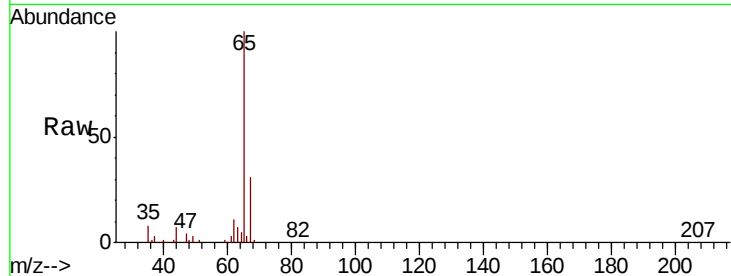
64 48.3 22.0 40.8#

Manual Integrations

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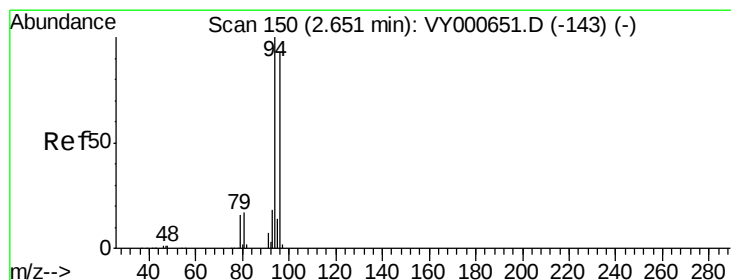
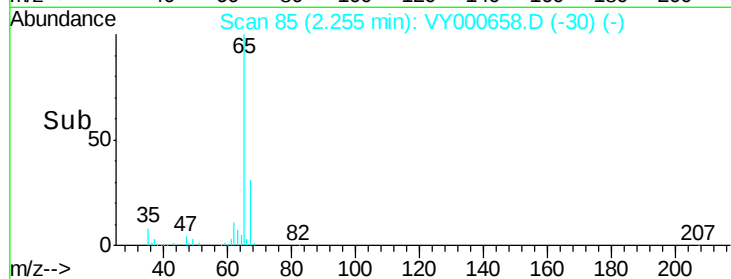
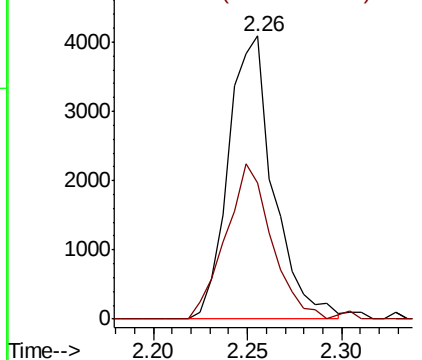
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Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 64.00 (63.70 to 64.70): VY0



#6

Bromomethane

Concen: 1.271 ug/L

RT: 2.66 min Scan# 151

Delta R.T. 0.01 min

Lab File: VY000658.D

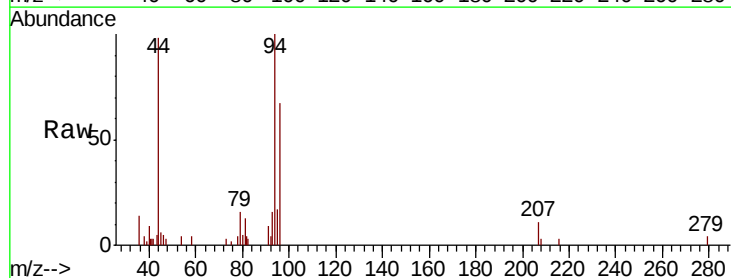
Acq: 12 Nov 2019 16:01

Tgt Ion: 94 Resp: 3973

Ion Ratio Lower Upper

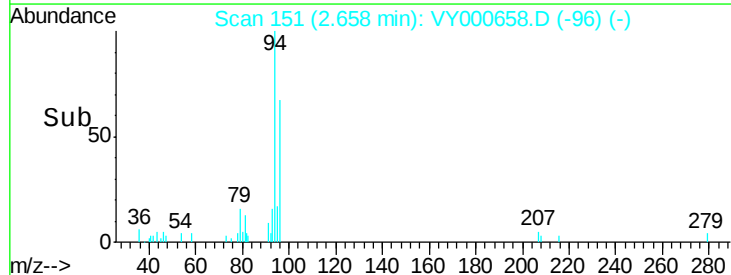
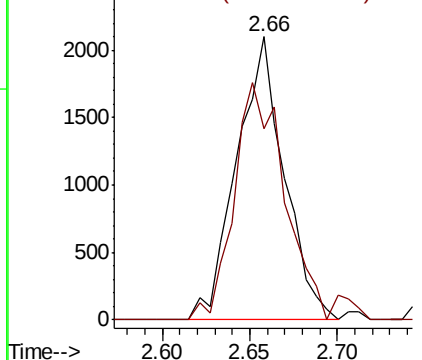
94 100

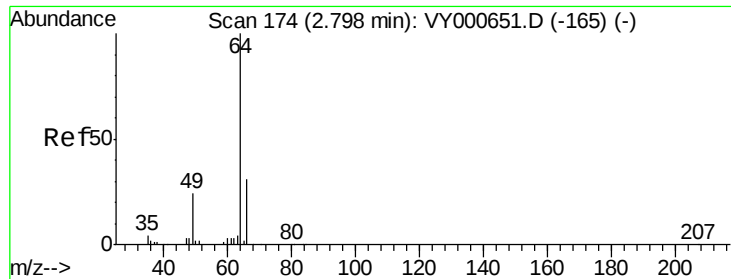
96 87.3 9.8 185.6



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0





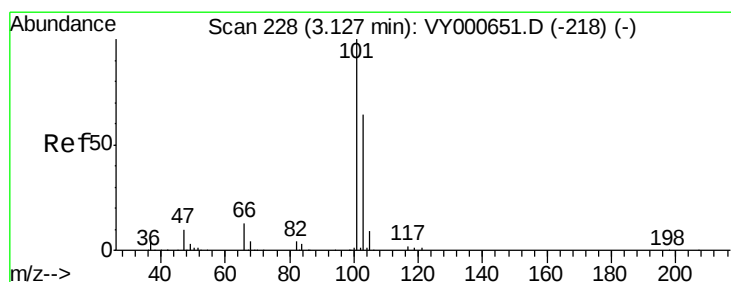
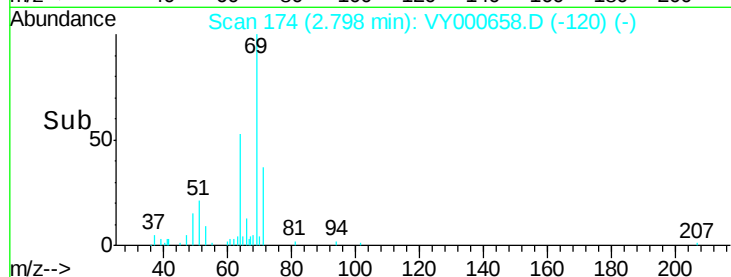
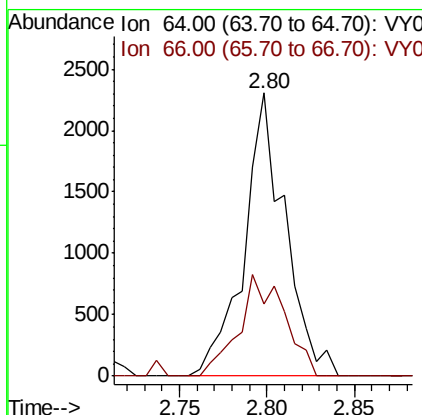
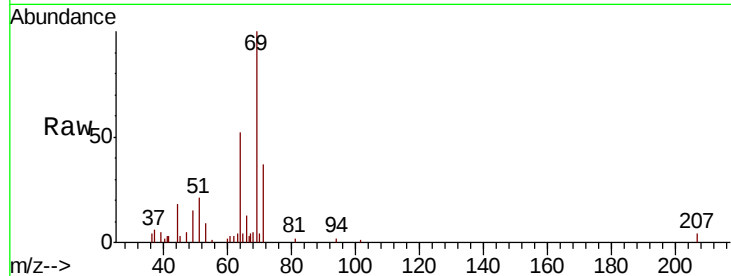
#8
Chloroethane
Concen: 1.053 ug/L
RT: 2.80 min Scan# 174
Delta R.T. 0.00 min
Lab File: VY000658.D
Acq: 12 Nov 2019 16:01

Instrument :
MSVOA_Y
ClientSampled :
MDL06

Tot Ion	64	66	Ratio	Lower	Upper
64	100				
66	25.5		22.2	41.2	

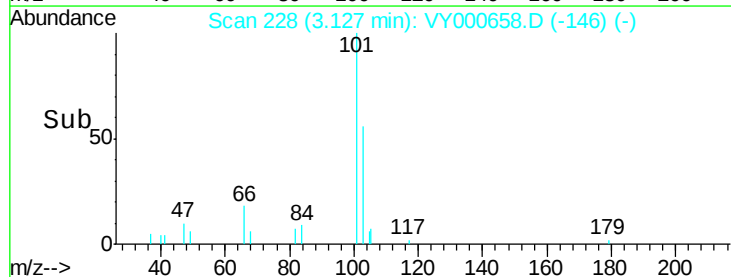
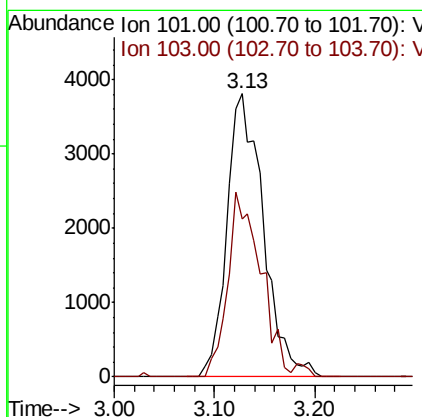
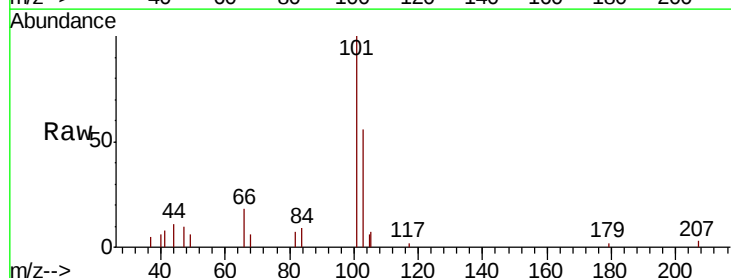
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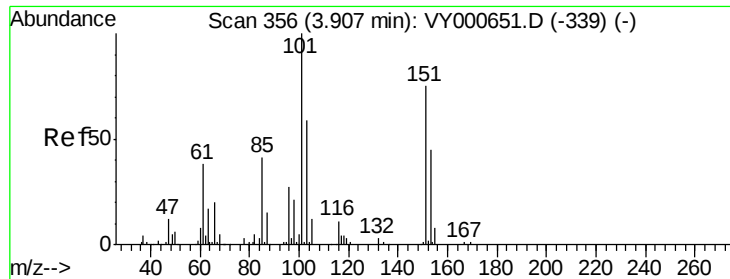
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#9
Trichlorofluoromethane
Concen: 1.182 ug/L m
RT: 3.13 min Scan# 228
Delta R.T. 0.00 min
Lab File: VY000658.D
Acq: 12 Nov 2019 16:01

Tgt Ion	101	103	Ratio	Lower	Upper
101	100				
103	59.4		45.8	85.0	





#11

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

Concen: 1.379 ug/L m

RT: 3.90 min Scan# 355

Delta R.T. -0.01 min

Lab File: VY000658.D

Acq: 12 Nov 2019 16:01

Instrument :

MSVOA_Y

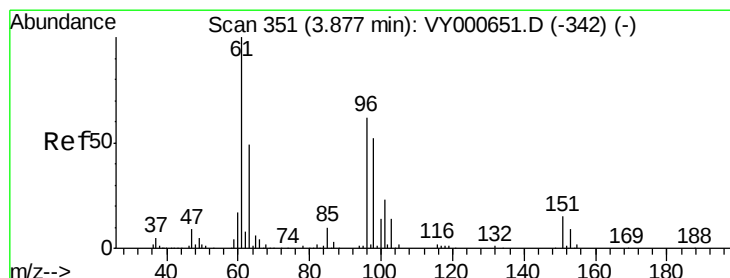
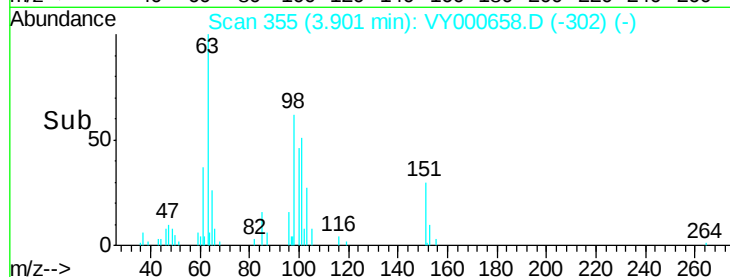
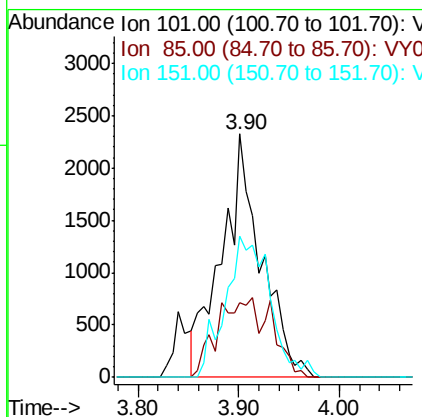
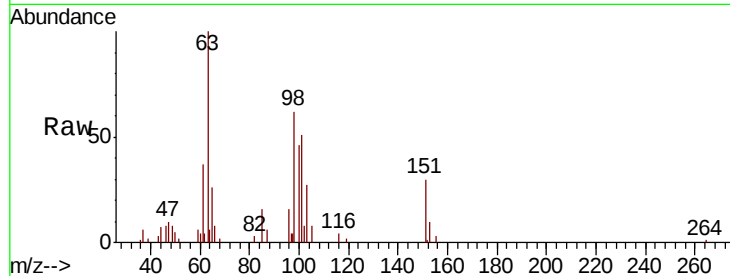
ClientSampleId :

MDL06

Tot Ion:	101	Resp:	6346
Ion Ratio	Lower	Upper	
101	100		
85	15.0	35.3	52.9#
151	55.4	61.9	92.9#

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#12

1,1-Dichloroethene

Concen: 1.424 ug/L

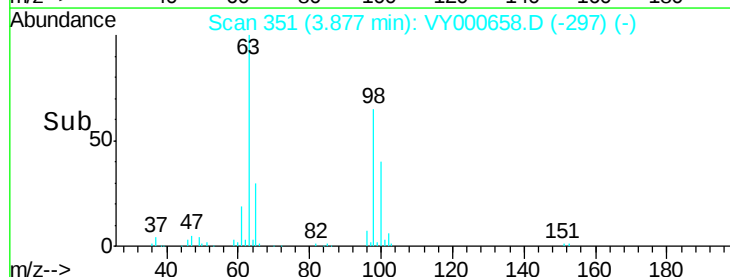
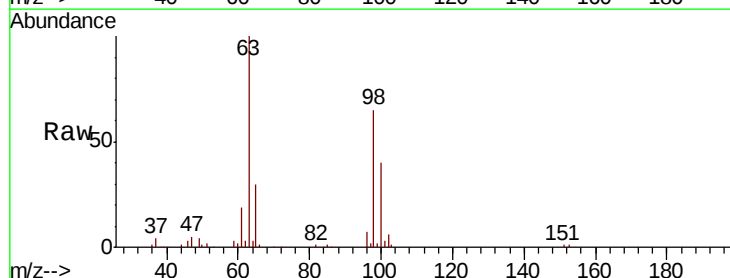
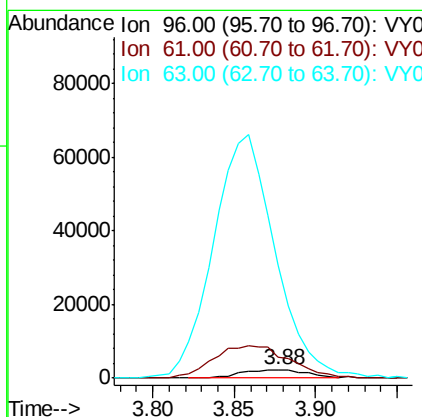
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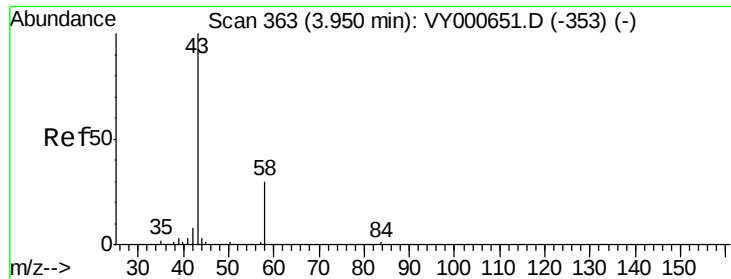
Delta R.T. 0.00 min

Lab File: VY000658.D

Acq: 12 Nov 2019 16:01

Tgt Ion:	96	Resp:	6396
Ion Ratio	Lower	Upper	
96	100		
61	259.8	113.5	210.9#
63	1380.1	94.3	175.1#





#13

Acetone

Concen: 3.372 ug/L m

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY000658.D

Acq: 12 Nov 2019 16:01

Instrument :

MSVOA_Y

ClientSampleId :

MDL06

Tot Ion: 43 Resp: 4979

Ion Ratio Lower Upper

43 100

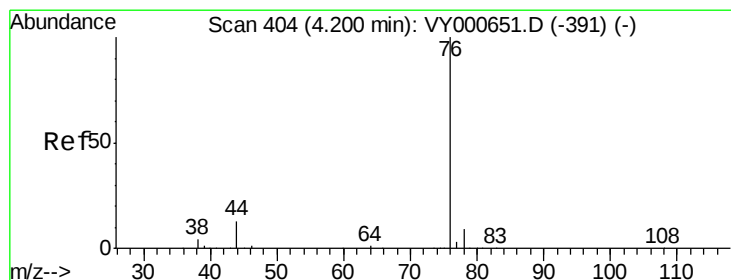
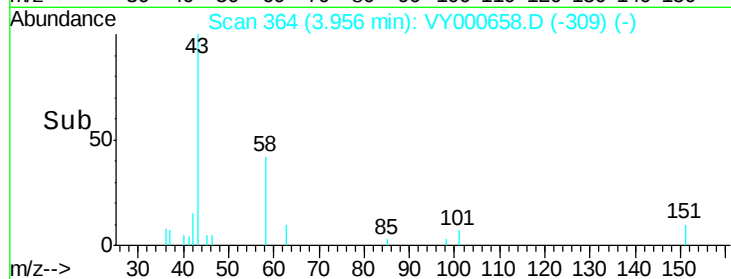
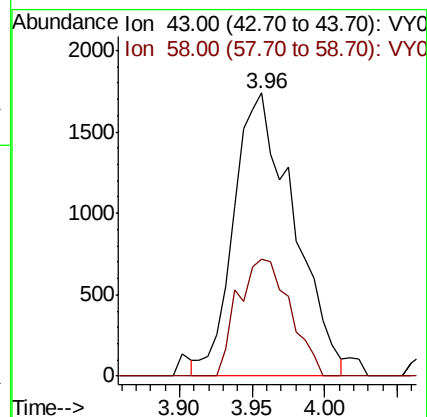
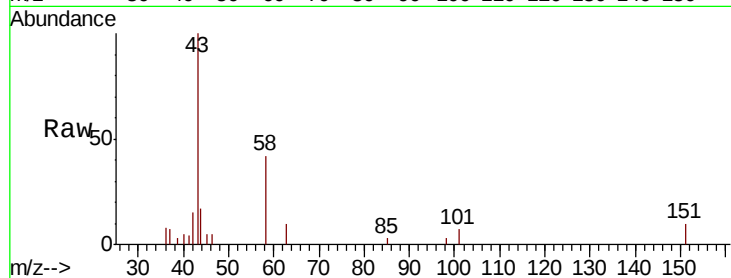
58 36.0 0.0 64.8

Manual Integrations

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#14

Carbon disulfide

Concen: 1.021 ug/L

RT: 4.20 min Scan# 404

Delta R.T. 0.00 min

Lab File: VY000658.D

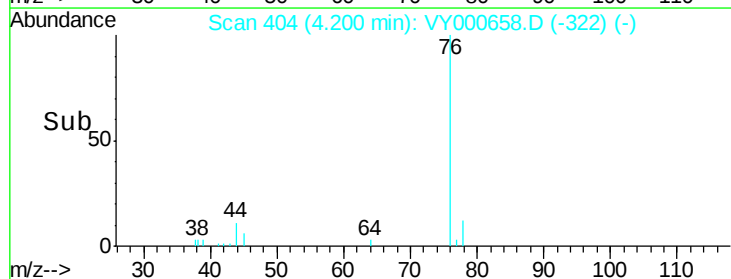
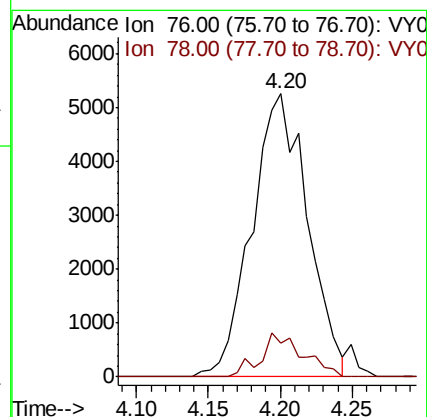
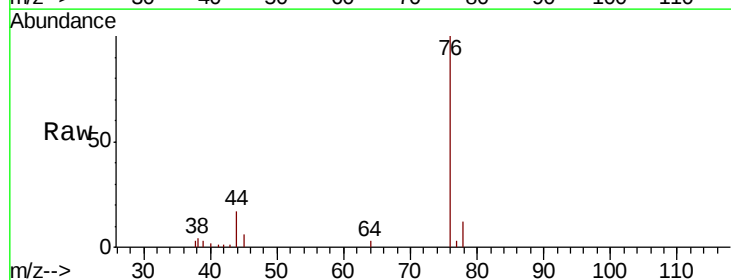
Acq: 12 Nov 2019 16:01

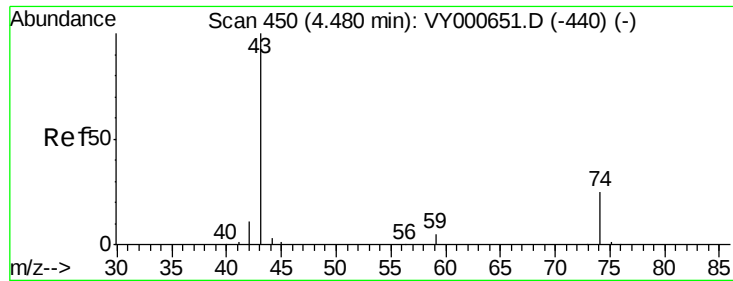
Tgt Ion: 76 Resp: 14145

Ion Ratio Lower Upper

76 100

78 12.0 7.0 10.6#





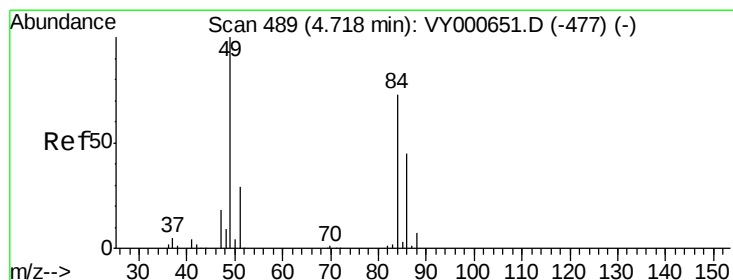
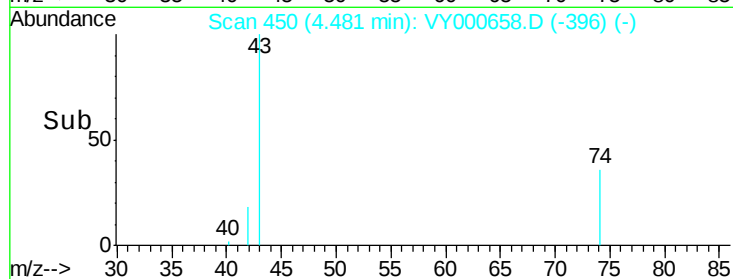
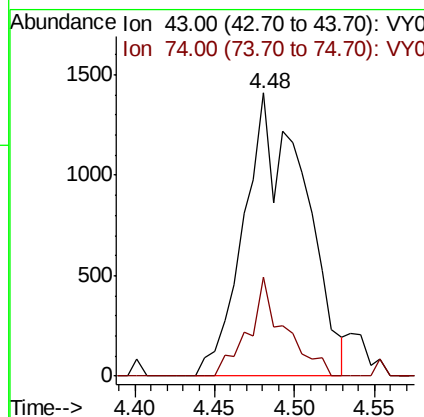
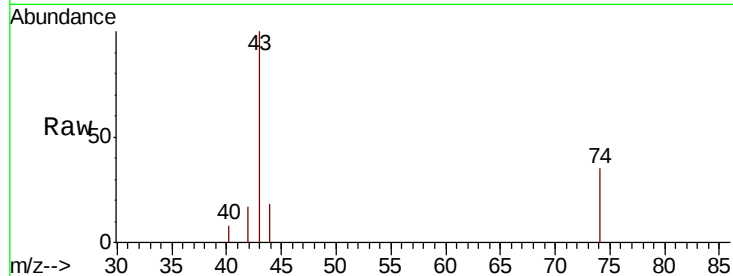
#15
Methvl Acetate
Concen: 1.100 ug/L m
RT: 4.48 min Scan# 450
Delta R.T. 0.00 min
Lab File: VY000658.D
Acq: 12 Nov 2019 16:01

Instrument :
MSVOA_Y
ClientSampleId :
MDL06

Tot Ion: 43 Resp: 3720
Ion Ratio Lower Upper
43 100
74 13.3 18.1 27.1#

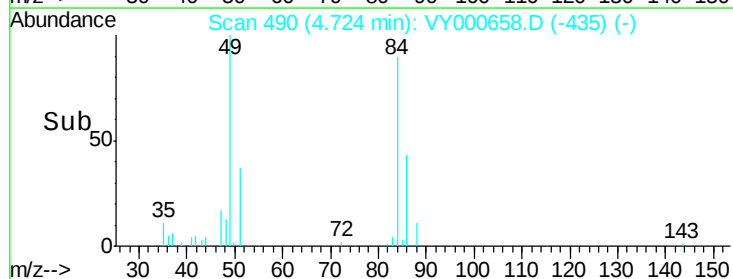
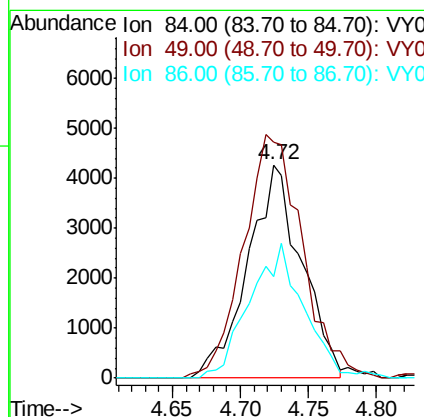
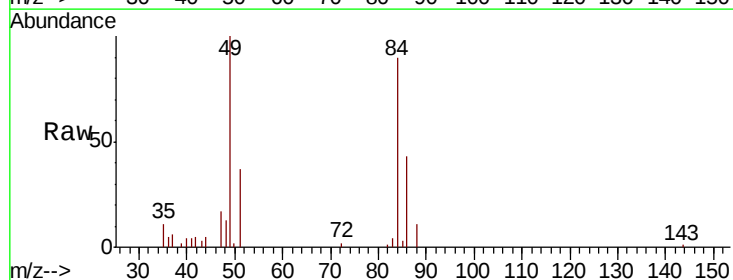
Manual Integrations
APPROVED

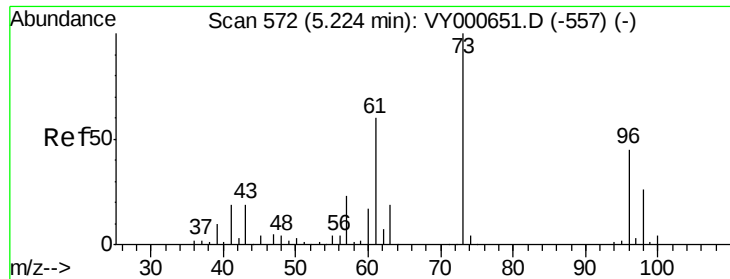
MMDadoda
11/15/2019 3:07:16 PM



#16
Methylene chloride
Concen: 2.068 ug/L
RT: 4.72 min Scan# 490
Delta R.T. 0.01 min
Lab File: VY000658.D
Acq: 12 Nov 2019 16:01

Tgt Ion: 84 Resp: 11822
Ion Ratio Lower Upper
84 100
49 110.5 88.8 165.0
86 47.5 43.9 81.5





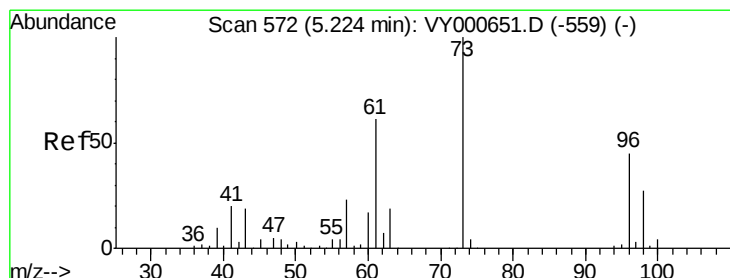
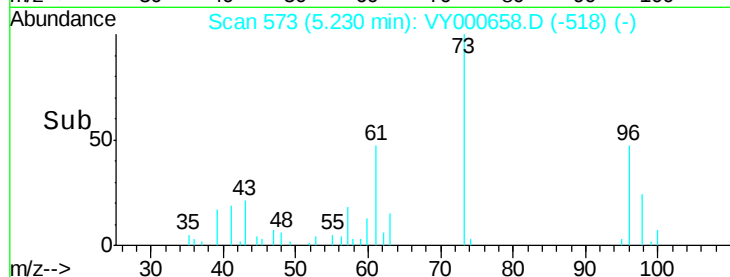
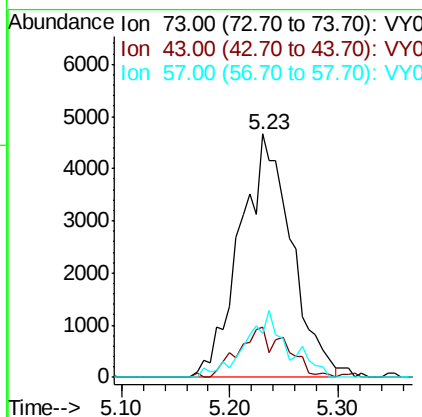
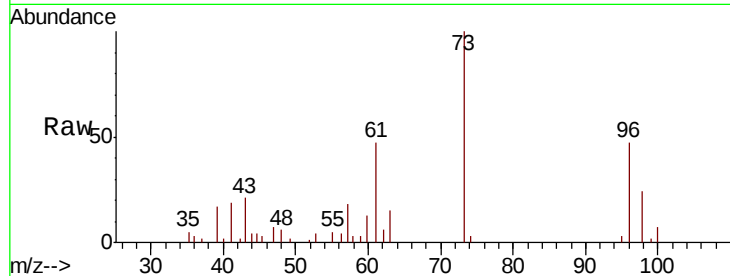
#17
Methvl tert-butvl Ether
Concen: 1.118 ug/L m
RT: 5.23 min Scan# 573
Delta R.T. 0.01 min
Lab File: VY000658.D
Acq: 12 Nov 2019 16:01

Instrument :
MSVOA_Y
ClientSampleId :
MDL06

Tot Ion	Ratio	Lower	Upper
73	100		
43	8.8	15.4	23.0#
57	7.5	17.5	26.3#

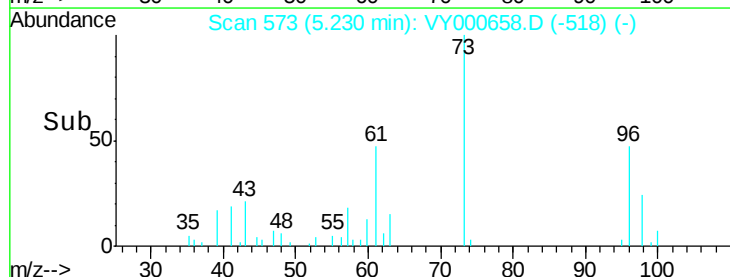
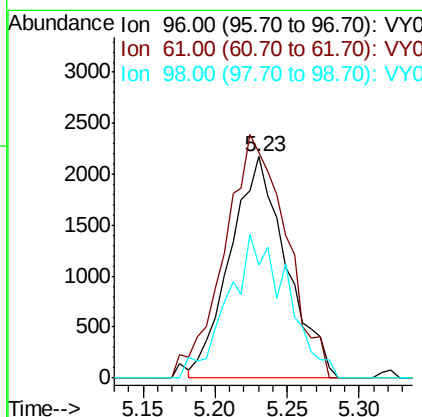
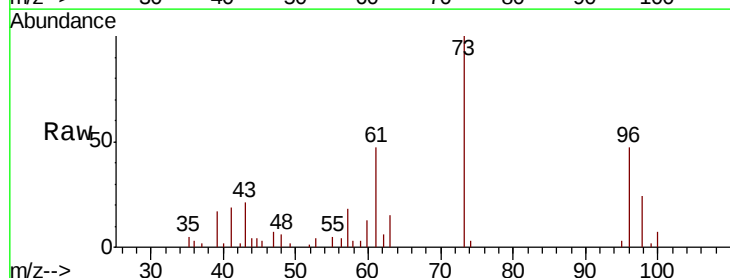
Manual Integrations
APPROVED

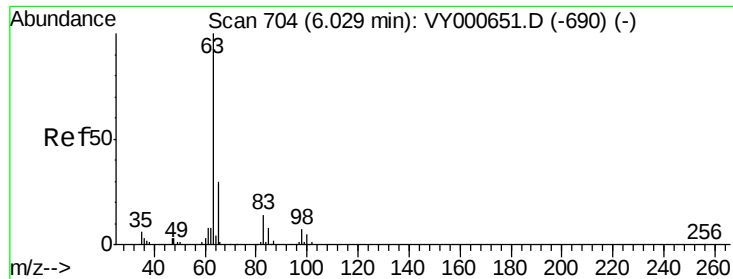
MMDadoda
11/15/2019 3:07:16 PM



#18
trans-1,2-Dichloroethene
Concen: 1.178 ug/L
RT: 5.23 min Scan# 573
Delta R.T. 0.01 min
Lab File: VY000658.D
Acq: 12 Nov 2019 16:01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	101.6	91.8	170.4
98	51.1	46.3	85.9





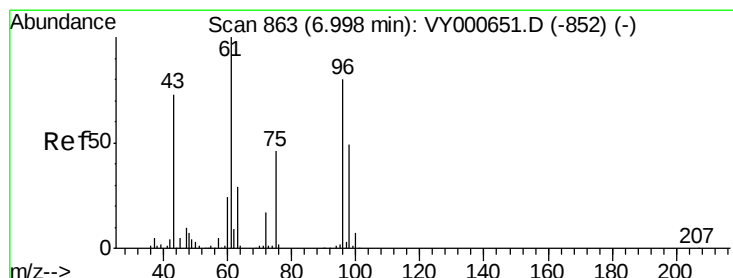
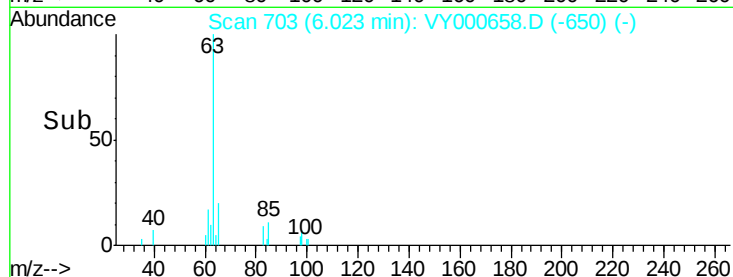
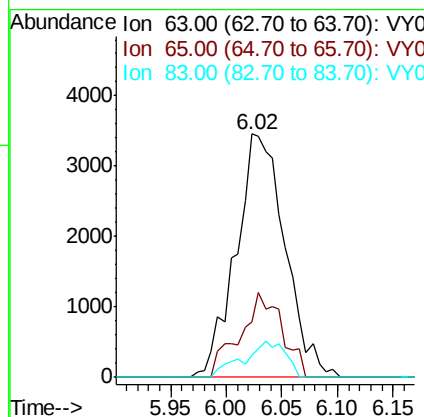
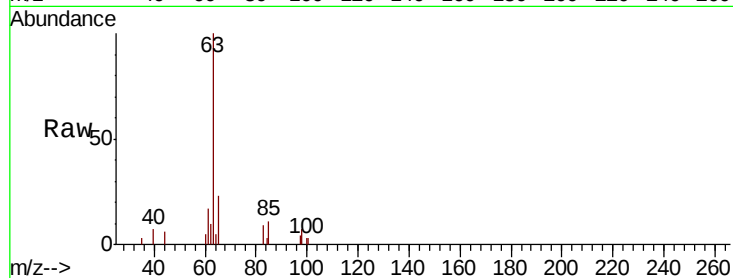
#19
 1,1-Dichloroethane
 Concen: 1.203 ug/L
 RT: 6.02 min Scan# 703
 Delta R.T. -0.01 min
 Lab File: VY000658.D
 Acq: 12 Nov 2019 16:01

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL06

Tot Ion	Ratio	Lower	Upper
63	100		
65	22.5	23.9	44.5#
83	9.2	10.1	18.9#

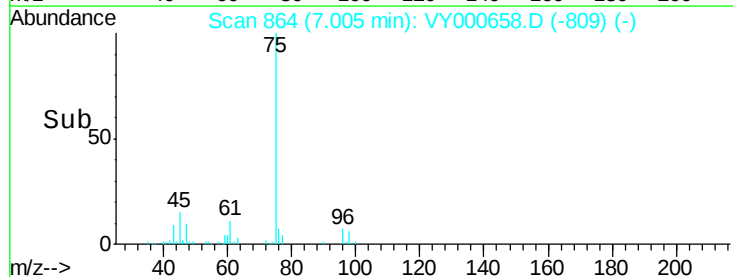
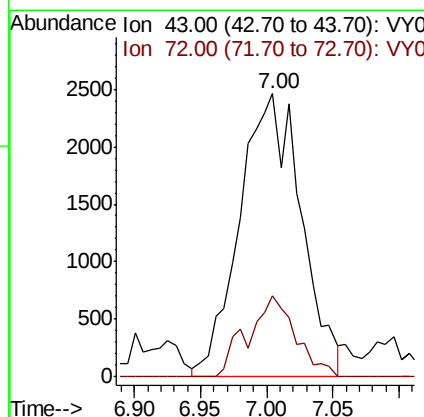
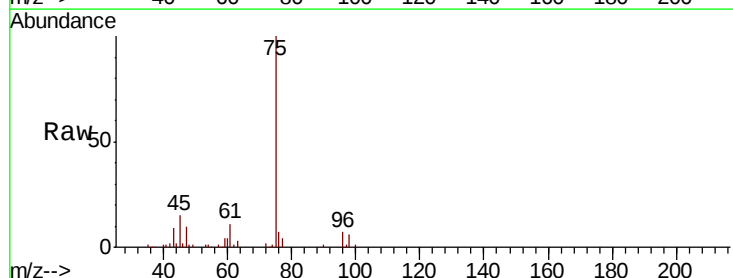
Manual Integrations
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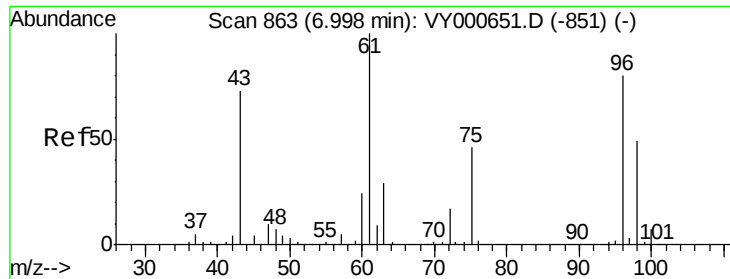
MMDadoda
 11/15/2019 3:07:16 PM



#21
 2-Butanone
 Concen: 3.062 ug/L m
 RT: 7.00 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VY000658.D
 Acq: 12 Nov 2019 16:01

Tgt Ion	Ratio	Lower	Upper
43	100		
72	16.2	12.6	37.8





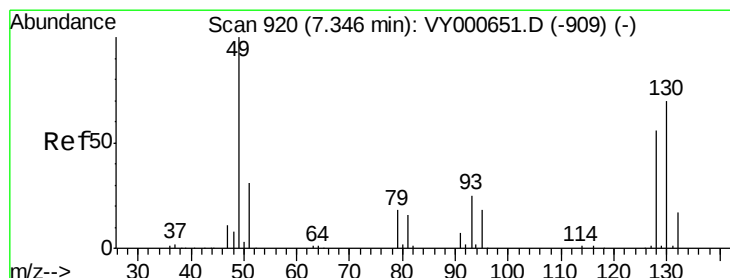
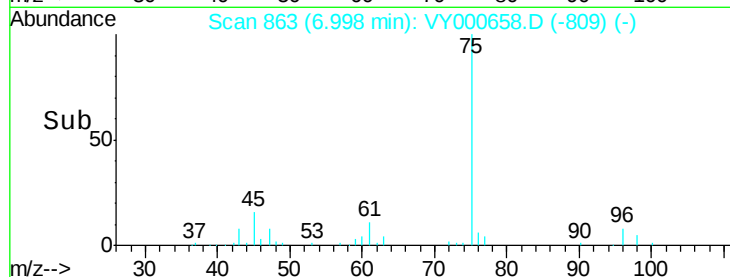
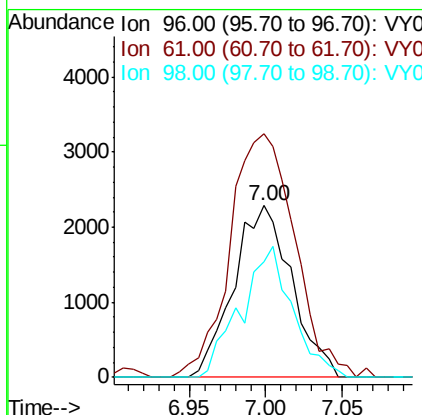
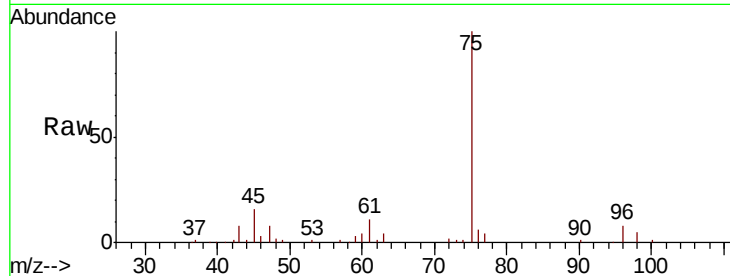
#22
 cis-1,2-Dichloroethene
 Concen: 1.088 ug/L
 RT: 7.00 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VY000658.D
 Acq: 12 Nov 2019 16:01

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL06

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.0	86.8	161.2
98	67.3	44.6	82.8

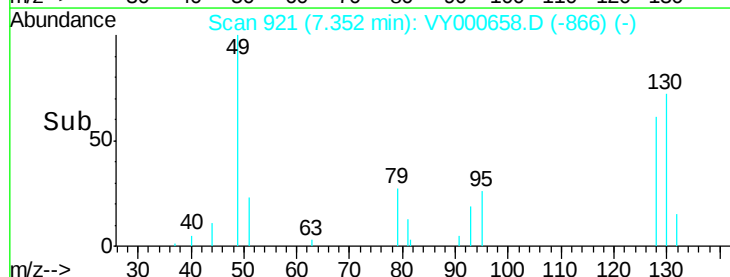
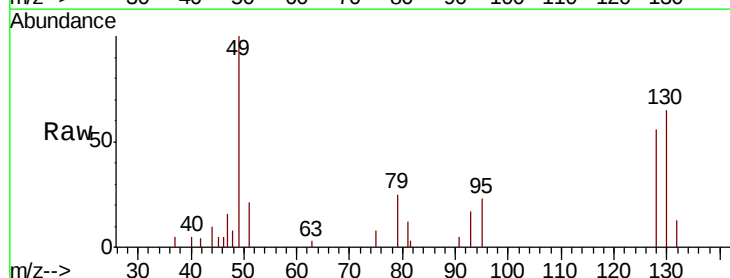
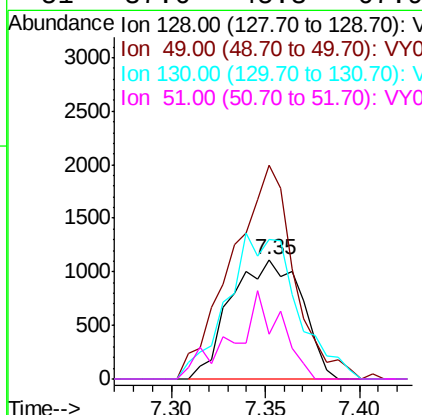
Manual Integrations
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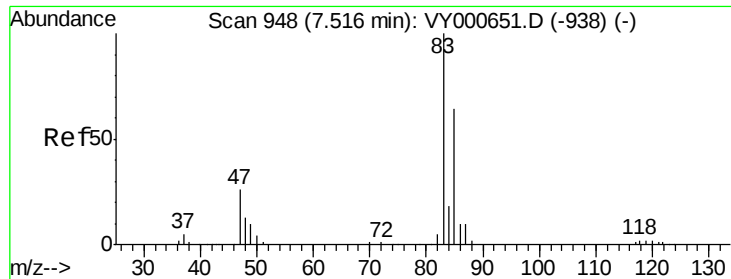
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#23
 Bromochloromethane
 Concen: 1.200 ug/L
 RT: 7.35 min Scan# 921
 Delta R.T. 0.01 min
 Lab File: VY000658.D
 Acq: 12 Nov 2019 16:01

Tgt Ion	Ratio	Lower	Upper
128	100		
49	179.0	131.5	244.3
130	116.6	96.7	179.5
51	37.6	45.3	67.9#





#25

Chloroform

Concen: 1.796 ug/L

RT: 7.52 min Scan# 948

Delta R.T. 0.00 min

Lab File: VY000658.D

Acq: 12 Nov 2019 16:01

Instrument :

MSVOA_Y

ClientSampleId :

MDL06

Tot Ion: 83 Resp: 17081

Ion Ratio Lower Upper

83 100

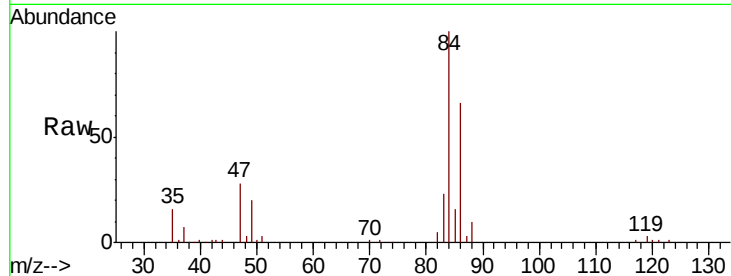
85 83.0 45.6 84.6

Manual Integrations

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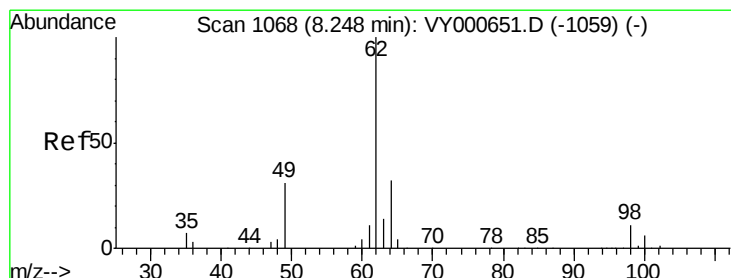
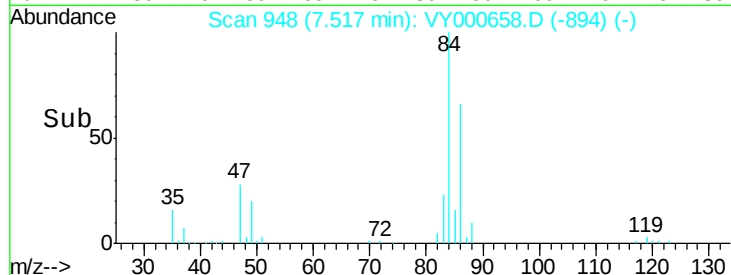
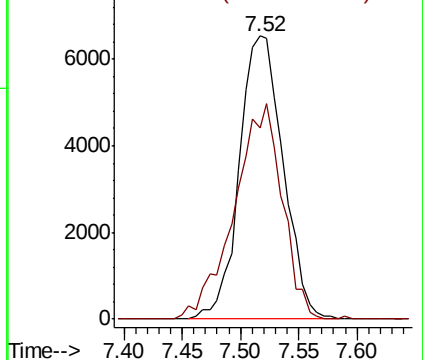
MMDadoda

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Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0



#27

1,2-Dichloroethane

Concen: 1.158 ug/L

RT: 8.25 min Scan# 1069

Delta R.T. 0.01 min

Lab File: VY000658.D

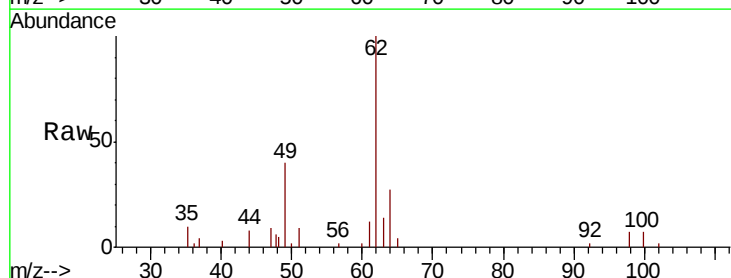
Acq: 12 Nov 2019 16:01

Tgt Ion: 62 Resp: 7363

Ion Ratio Lower Upper

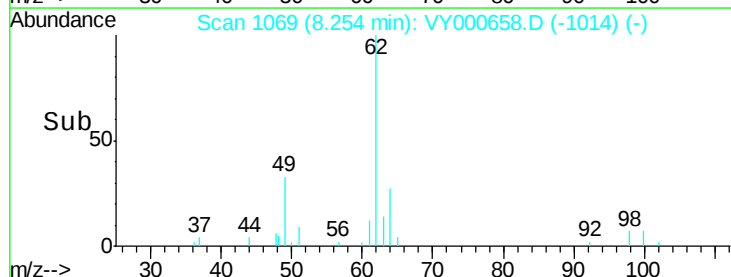
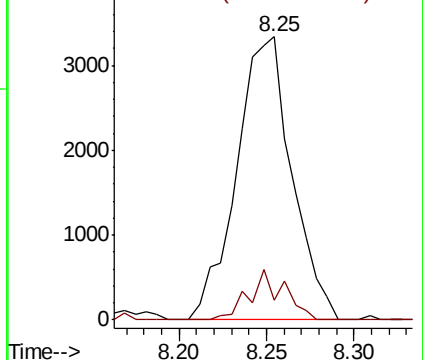
62 100

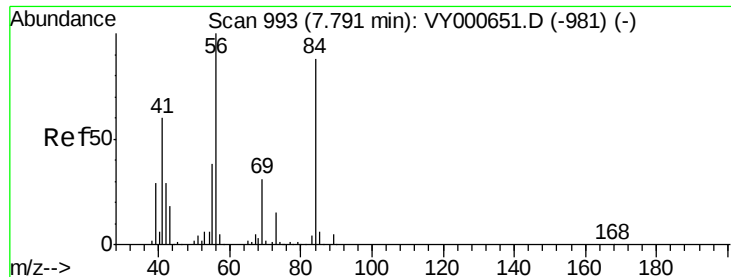
98 7.2 7.5 11.3#



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 98.00 (97.70 to 98.70): VY0





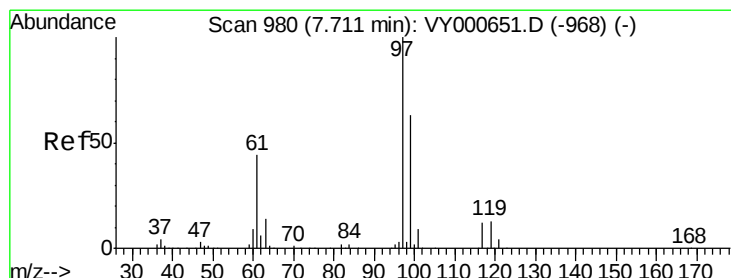
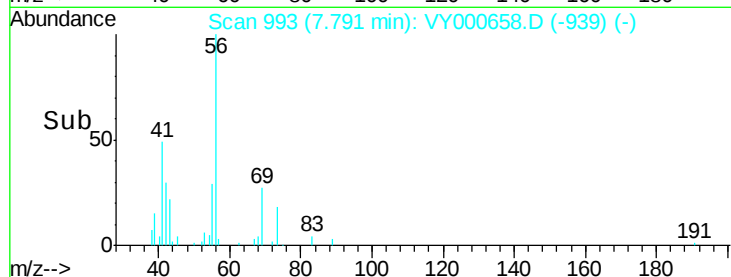
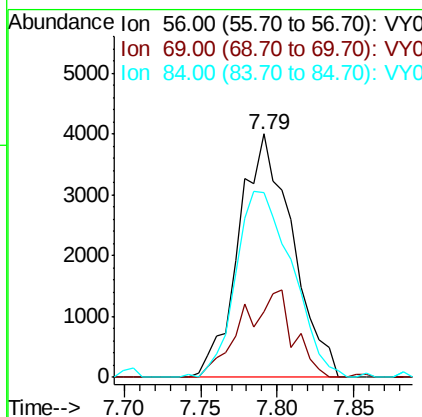
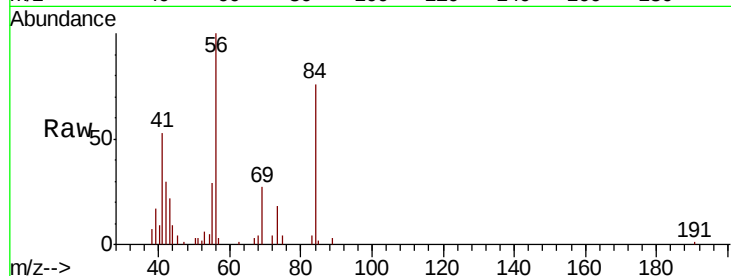
#30
Cyclohexane
Concen: 1.139 ug/L
RT: 7.79 min Scan# 993
Delta R.T. 0.00 min
Lab File: VY000658.D
Acq: 12 Nov 2019 16:01

Instrument :
MSVOA_Y
ClientSampleId :
MDL06

Tot Ion	Ratio	Lower	Upper
56	100		
69	13.6	24.1	36.1#
84	80.0	70.2	105.4

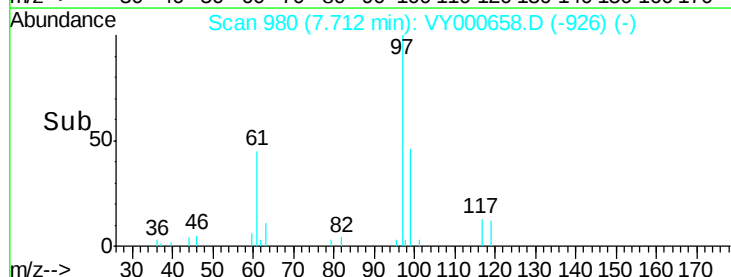
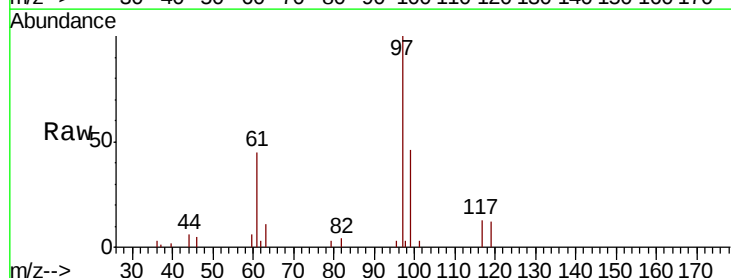
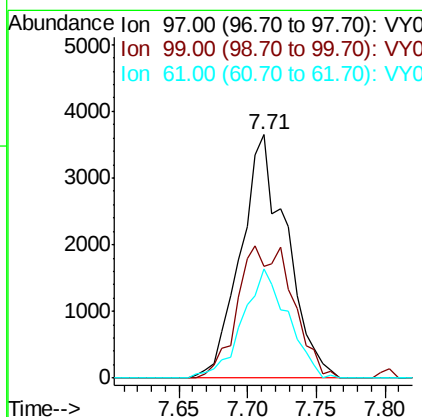
Manual Integrations
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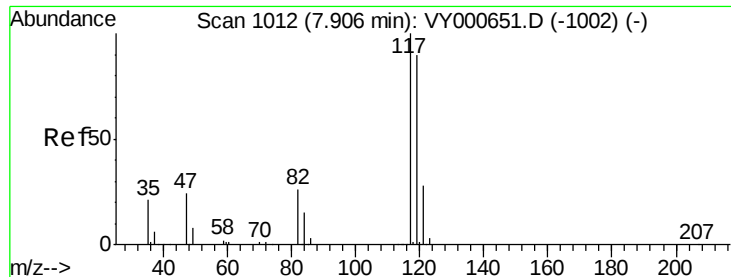
MMDadoda
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#31
1,1,1-Trichloroethane
Concen: 1.100 ug/L m
RT: 7.71 min Scan# 980
Delta R.T. 0.00 min
Lab File: VY000658.D
Acq: 12 Nov 2019 16:01

Tgt Ion	Ratio	Lower	Upper
97	100		
99	33.8	51.4	77.0#
61	43.6	34.7	52.1





#32

Carbon tetrachloride

Concen: 1.148 ug/L

RT: 7.91 min Scan# 1013

Delta R.T. 0.01 min

Lab File: VY000658.D

Acq: 12 Nov 2019 16:01

Instrument :

MSVOA_Y

ClientSampleId :

MDL06

Tot Ion:117 Resp: 7754

Ion Ratio Lower Upper

117 100

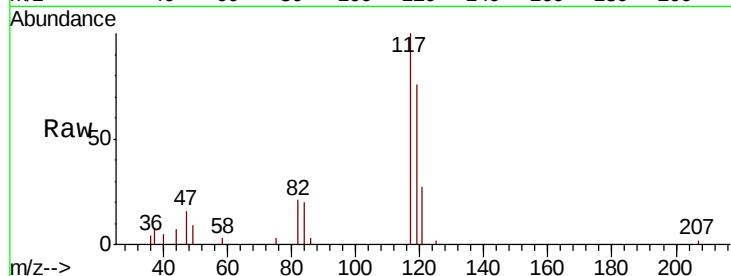
119 90.9 76.2 114.2

Manual Integrations

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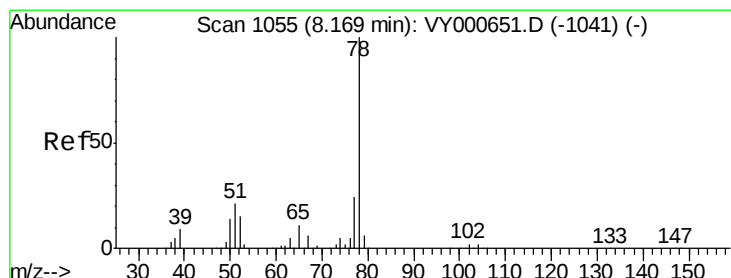
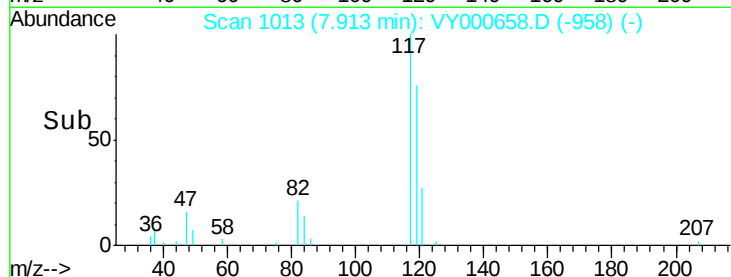
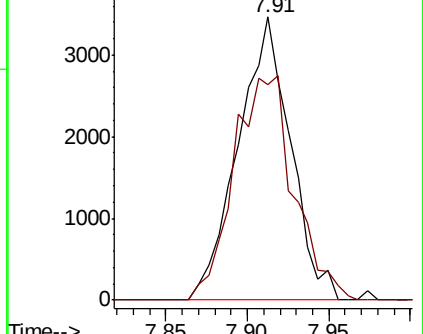
MMDadoda

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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: 1.077 ug/L

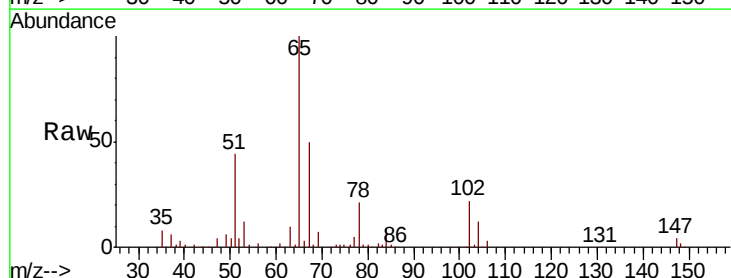
RT: 8.16 min Scan# 1054

Delta R.T. -0.01 min

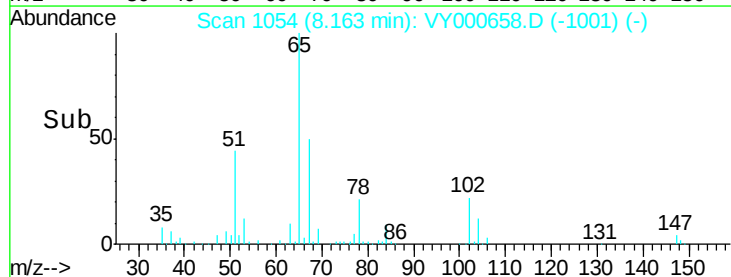
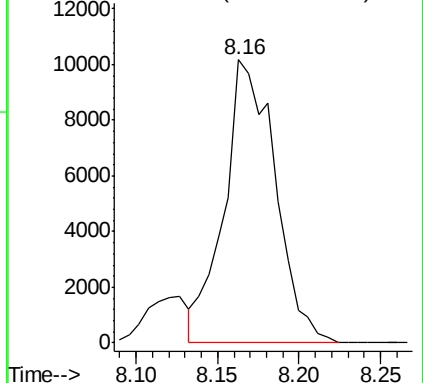
Lab File: VY000658.D

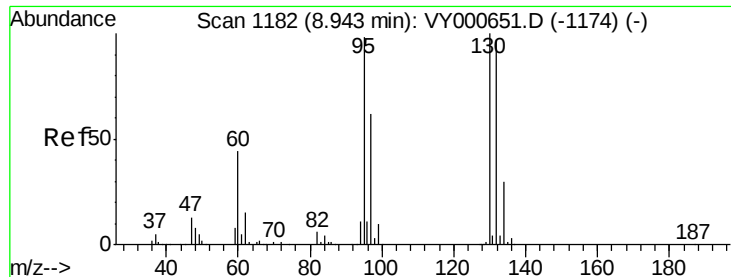
Acq: 12 Nov 2019 16:01

Tgt Ion: 78 Resp: 22151



Abundance Ion 78.00 (77.70 to 78.70): VY0





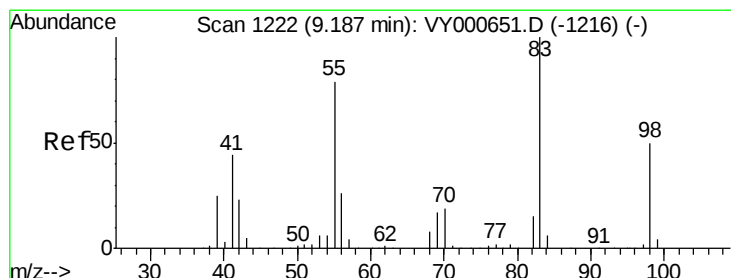
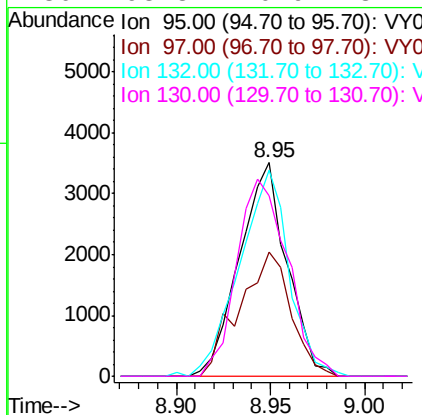
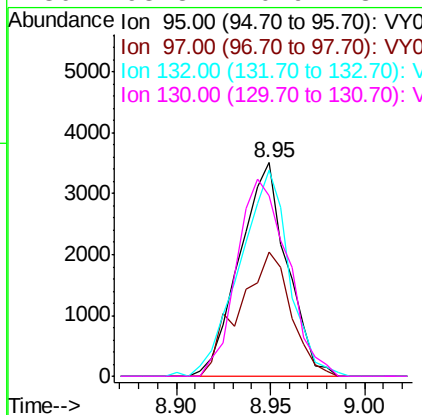
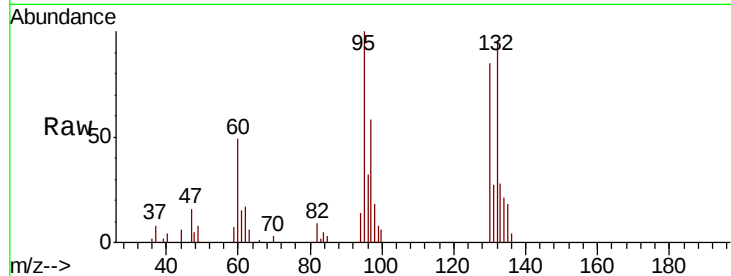
#35
 Trichloroethene
 Concen: 1.142 ug/L
 RT: 8.95 min Scan# 1183
 Delta R.T. 0.01 min
 Lab File: VY000658.D
 Acq: 12 Nov 2019 16:01

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL06

Tot Ion	95	Resp:	6159
Ion	Ratio	Lower	Upper
95	100		
97	63.1	44.4	82.4
132	100.3	66.8	124.0
130	98.8	70.9	131.7

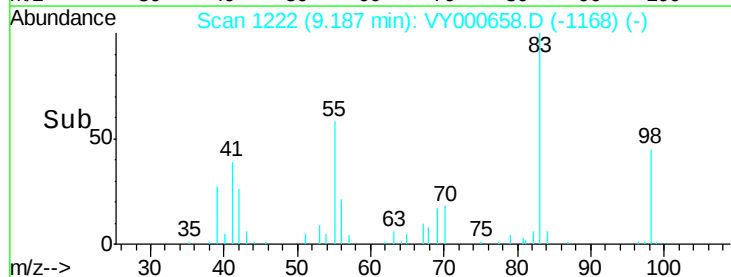
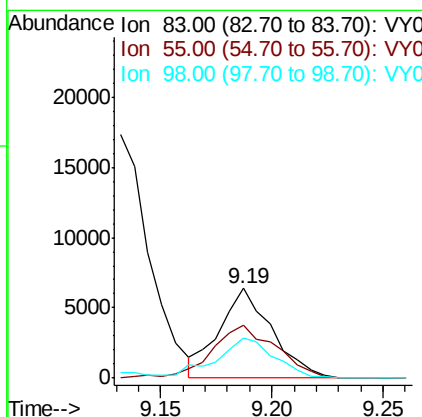
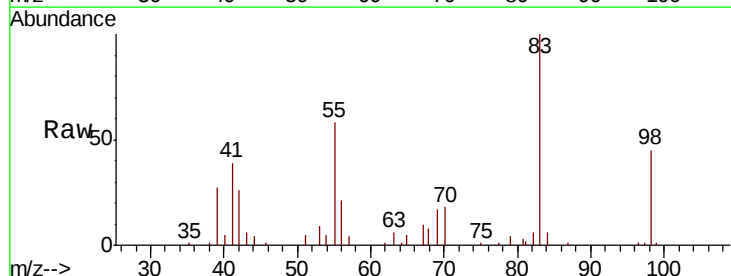
Manual Integrations
 APPROVED

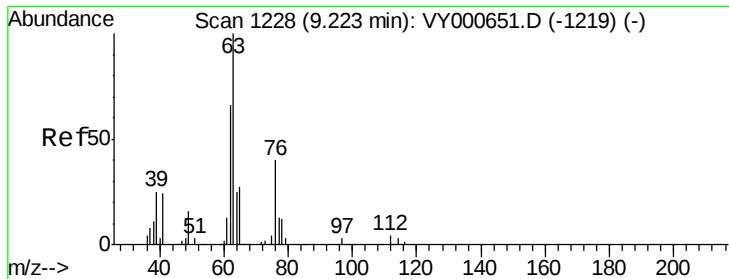
MMDadoda
 11/15/2019 3:07:16 PM



#36
 Methylcyclohexane
 Concen: 1.128 ug/L
 RT: 9.19 min Scan# 1222
 Delta R.T. 0.00 min
 Lab File: VY000658.D
 Acq: 12 Nov 2019 16:01

Tgt Ion	83	Resp:	10409
Ion	Ratio	Lower	Upper
83	100		
55	71.1	60.0	90.0
98	42.8	40.2	60.2





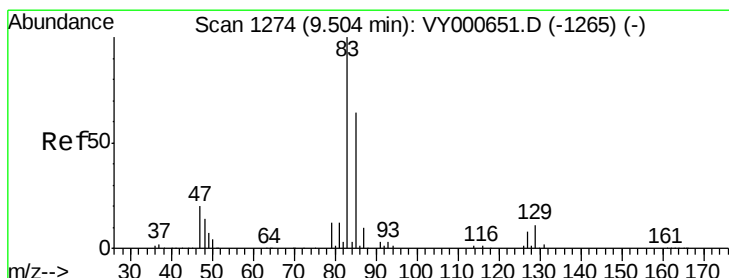
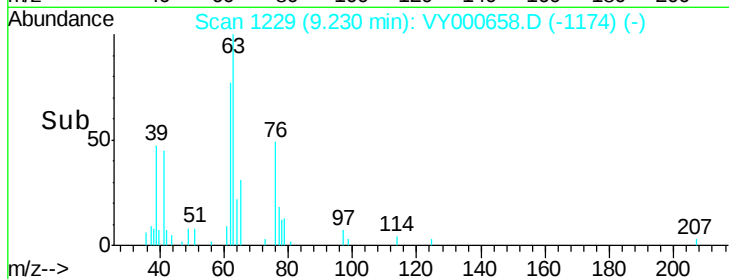
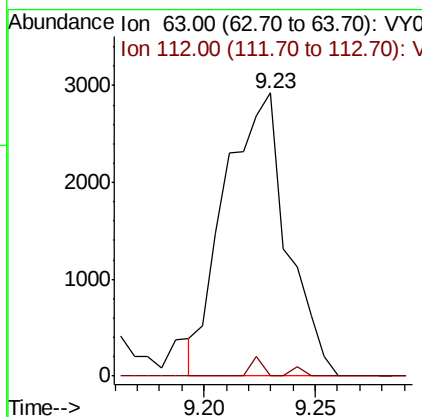
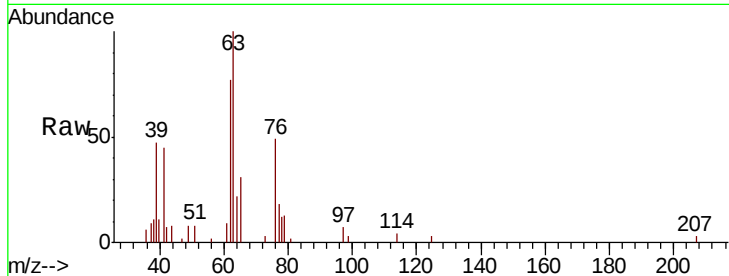
#40
1,2-Dichloropropane
Concen: 1.087 ug/L
RT: 9.23 min Scan# 1229
Delta R.T. 0.01 min
Lab File: VY000658.D
Acq: 12 Nov 2019 16:01

Instrument :
MSVOA_Y
ClientSampleId :
MDL06

Tot Ion: 63 Resp: 5665
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#

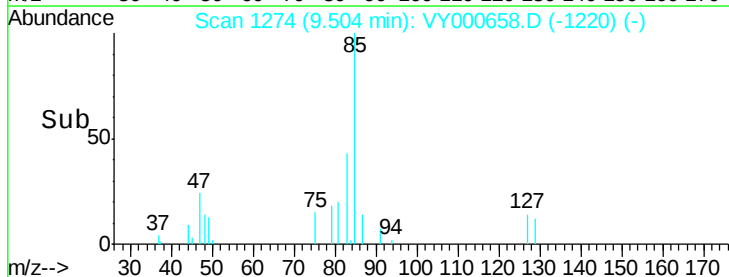
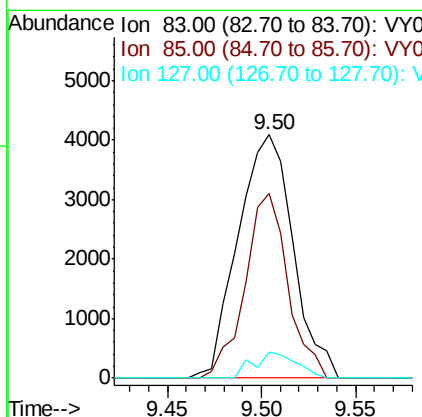
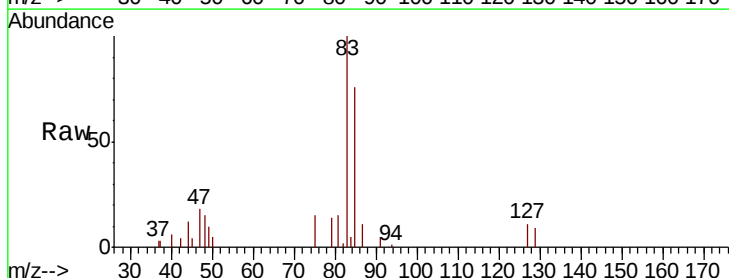
Manual Integrations
APPROVED

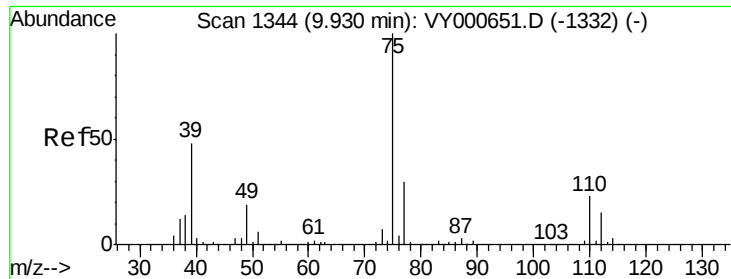
MMDadoda
11/15/2019 3:07:16 PM



#41
Bromodichloromethane
Concen: 1.231 ug/L
RT: 9.50 min Scan# 1274
Delta R.T. 0.00 min
Lab File: VY000658.D
Acq: 12 Nov 2019 16:01

Tgt Ion: 83 Resp: 8258
Ion Ratio Lower Upper
83 100
85 76.0 46.1 85.5
127 10.9 6.5 9.7#





#42

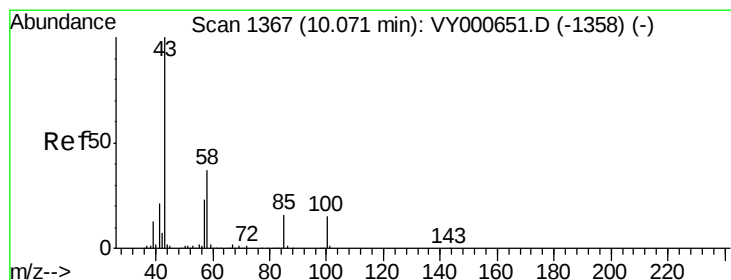
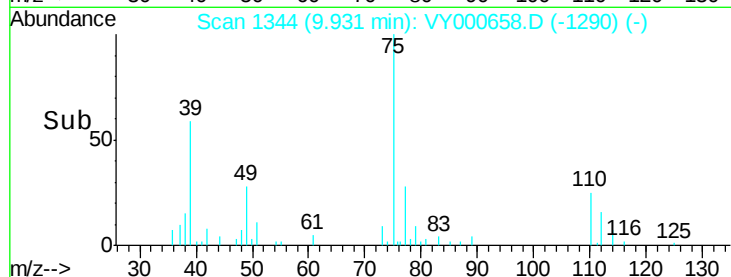
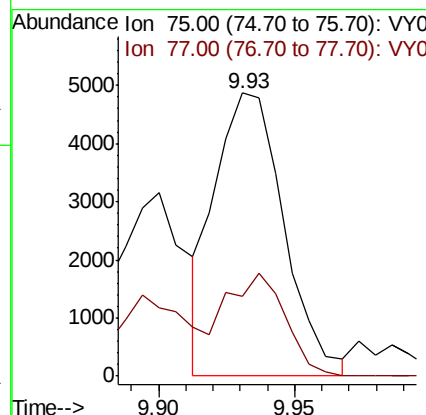
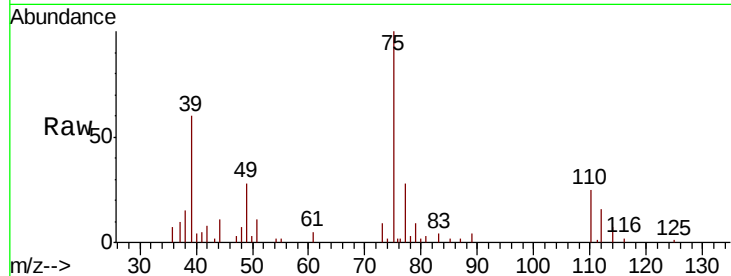
cis-1,3-Dichloropropene
Concen: 1.018 ug/L
RT: 9.93 min Scan# 1344
Delta R.T. 0.00 min
Lab File: VY000658.D
Acq: 12 Nov 2019 16:01

Instrument :
MSVOA_Y
ClientSampleId :
MDL06

Tot Ion	Ratio	Lower	Upper
75	100		
77	28.1	21.7	40.3

Manual Integrations
APPROVED

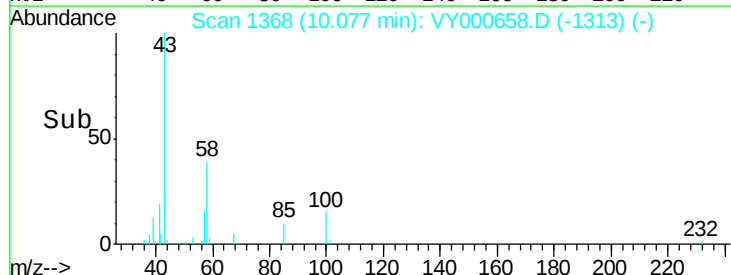
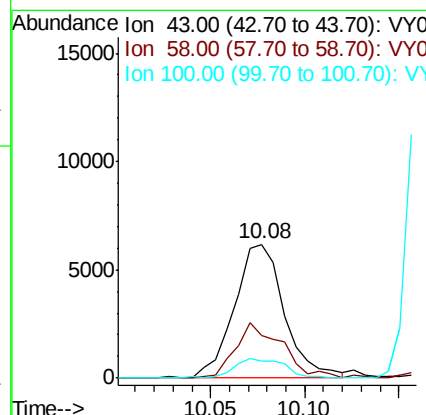
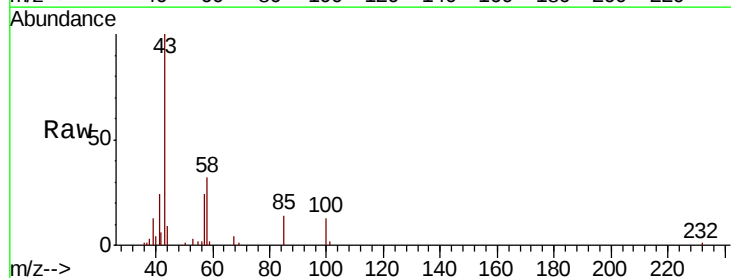
MMDadoda
11/15/2019 3:07:16 PM

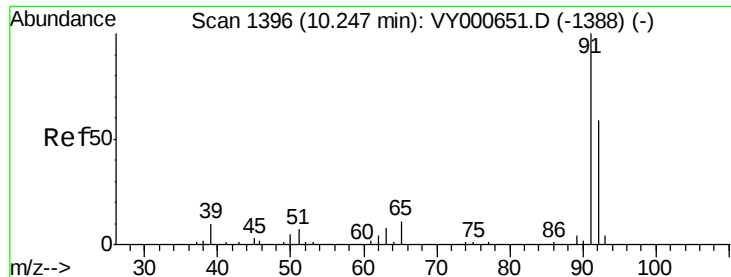


#43

4-Methyl-2-pentanone
Concen: 2.279 ug/L
RT: 10.08 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VY000658.D
Acq: 12 Nov 2019 16:01

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.2	30.6	45.8
100	14.0	12.0	18.0





#44

Toluene

Concen: 1.154 ug/L

RT: 10.25 min Scan# 1396

Delta R.T. 0.00 min

Lab File: VY000658.D

Acq: 12 Nov 2019 16:01

Instrument :

MSVOA_Y

ClientSampleId :

MDL06

Tot Ion: 91 Resp: 25670

Ion Ratio Lower Upper

91 100

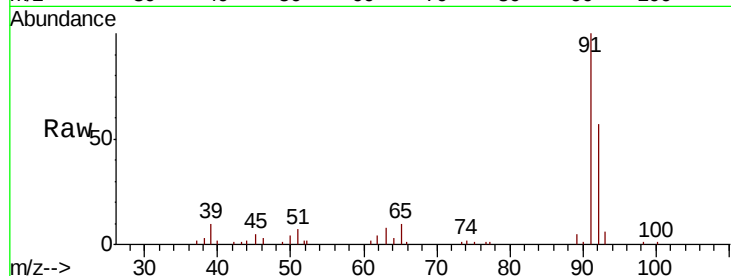
92 57.0 39.5 73.4

Manual Integrations

APPROVED

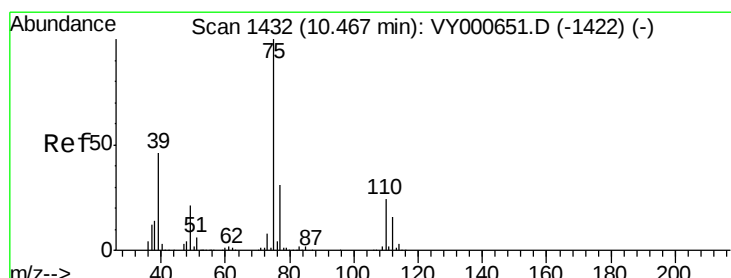
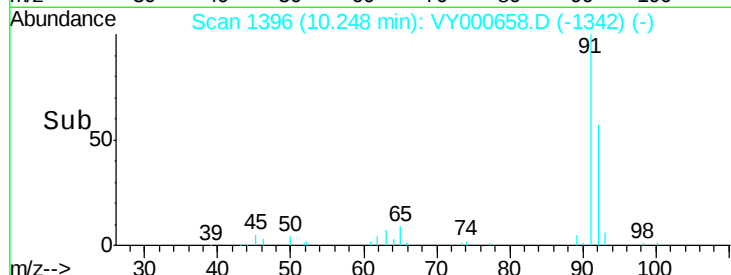
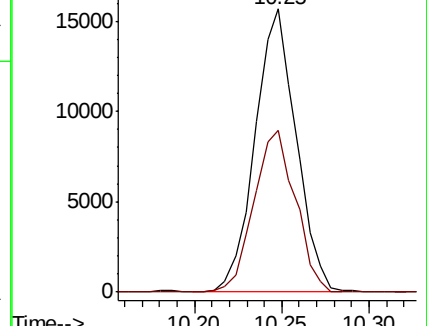
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 92.00 (91.70 to 92.70): VY0



#45

trans-1,3-Dichloropropene

Concen: 1.093 ug/L

RT: 10.46 min Scan# 1431

Delta R.T. -0.01 min

Lab File: VY000658.D

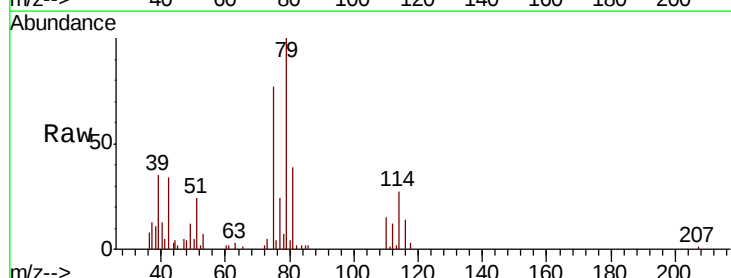
Acq: 12 Nov 2019 16:01

Tgt Ion: 75 Resp: 7885

Ion Ratio Lower Upper

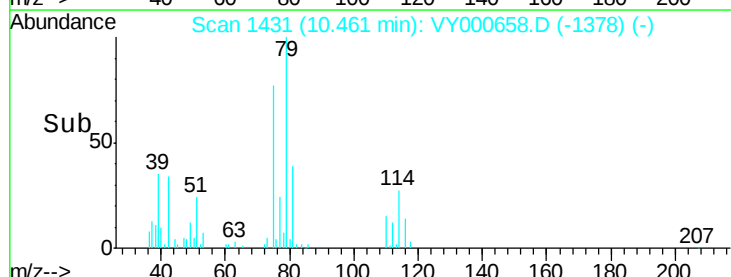
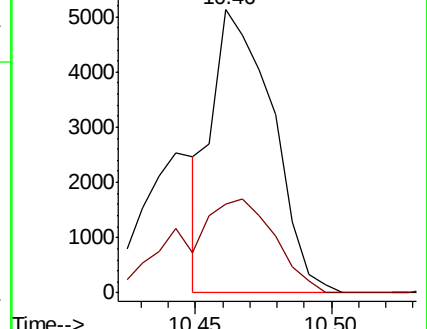
75 100

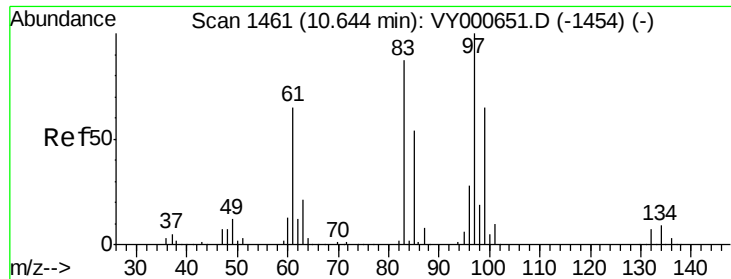
77 31.2 20.4 37.8



Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 77.00 (76.70 to 77.70): VY0





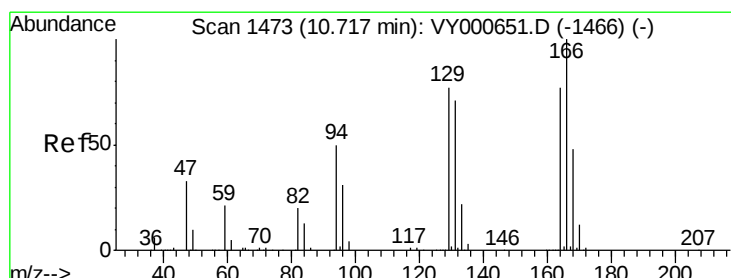
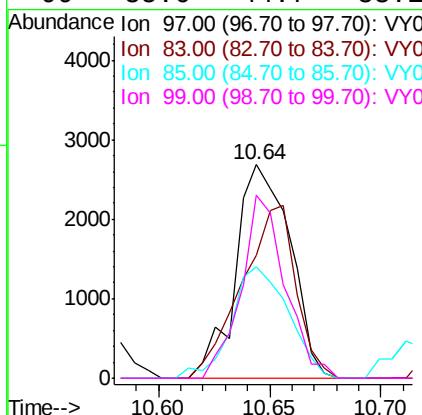
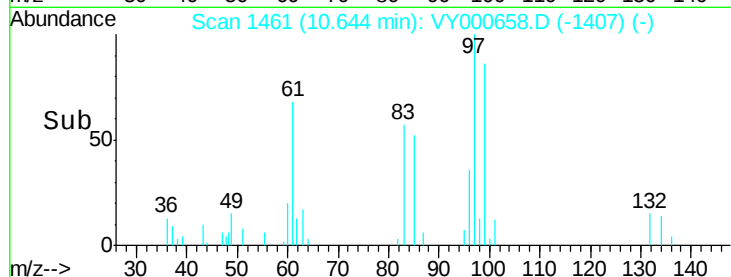
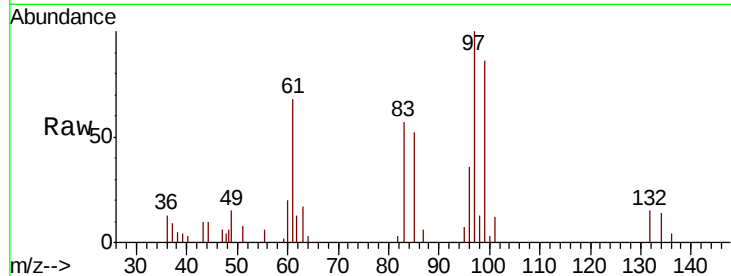
#46
1,1,2-Trichloroethane
Concen: 1.074 ug/L
RT: 10.64 min Scan# 1461
Delta R.T. 0.00 min
Lab File: VY000658.D
Acq: 12 Nov 2019 16:01

Instrument :
MSVOA_Y
ClientSampleId :
MDL06

Tot Ion	Ratio	Lower	Upper
97	100		
83	57.4	58.7	109.1#
85	52.3	37.3	69.3
99	85.6	44.7	83.1#

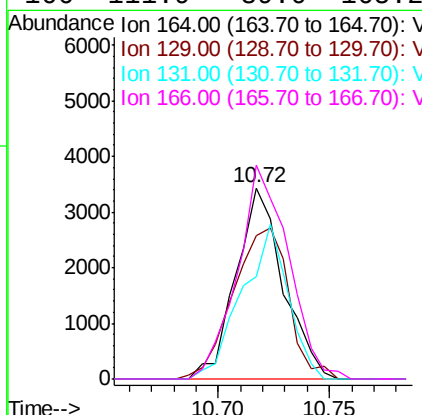
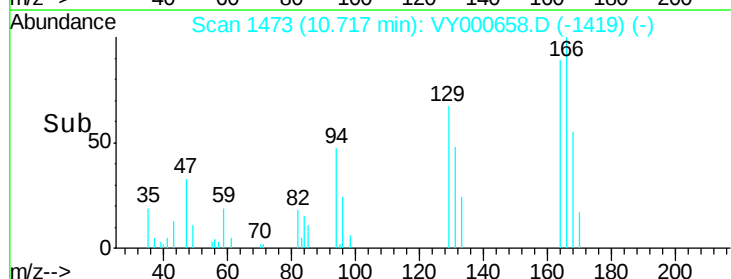
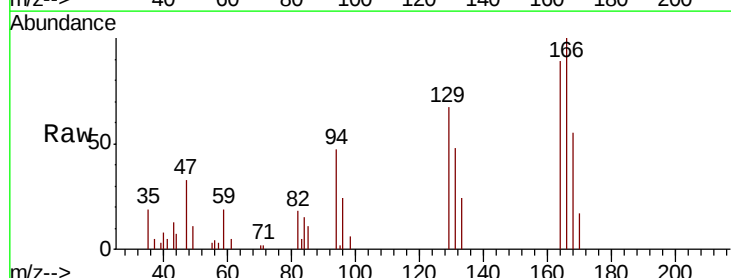
Manual Integrations
APPROVED

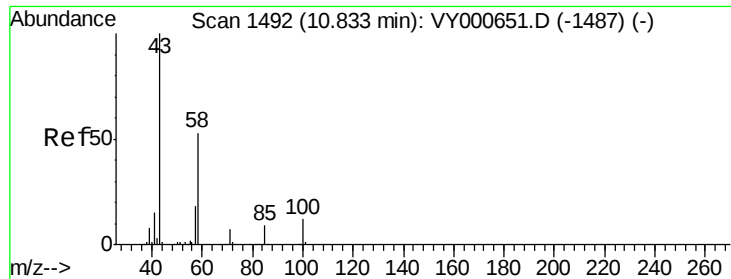
MMDadoda
11/15/2019 3:07:16 PM



#47
Tetrachloroethene
Concen: 1.264 ug/L
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY000658.D
Acq: 12 Nov 2019 16:01

Tgt Ion	Ratio	Lower	Upper
164	100		
129	75.0	69.6	129.2
131	53.7	66.8	124.2#
166	111.9	89.0	165.2





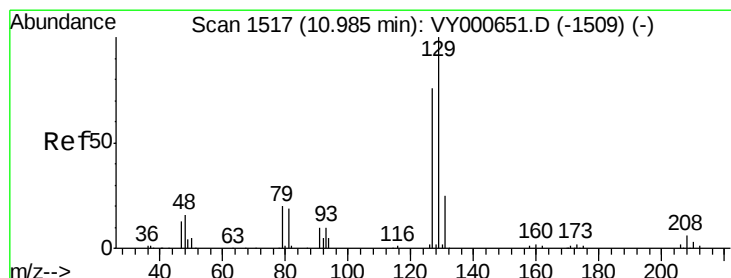
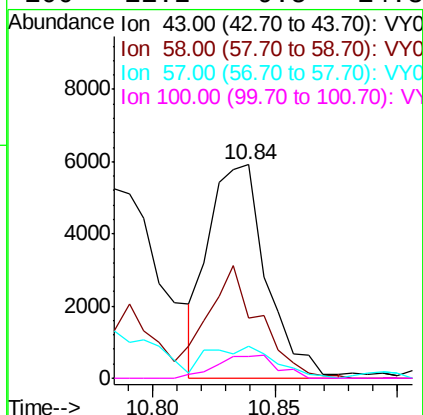
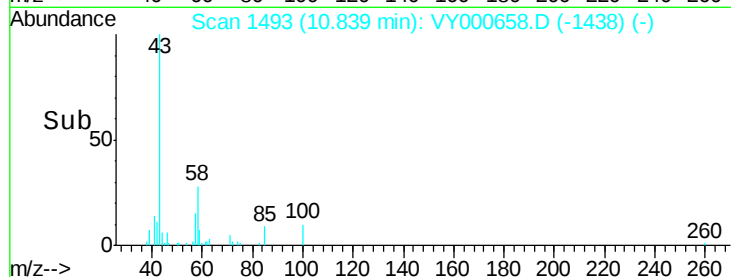
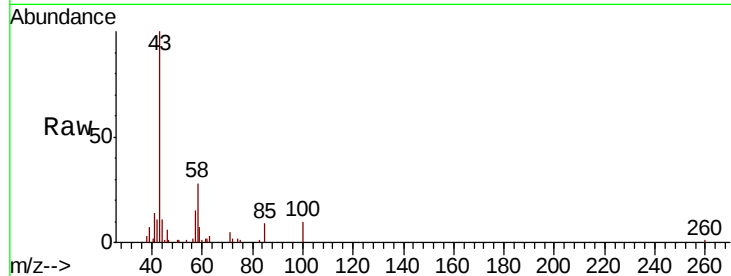
#49
2-Hexanone
Concen: 2.495 ug/L
RT: 10.84 min Scan# 1493
Delta R.T. 0.01 min
Lab File: VY000658.D
Acq: 12 Nov 2019 16:01

Instrument :
MSVOA_Y
ClientSampleId :
MDL06

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
58	48.2	44.1	66.1	
57	9.2	13.9	20.9	
100	11.2	9.5	14.3	

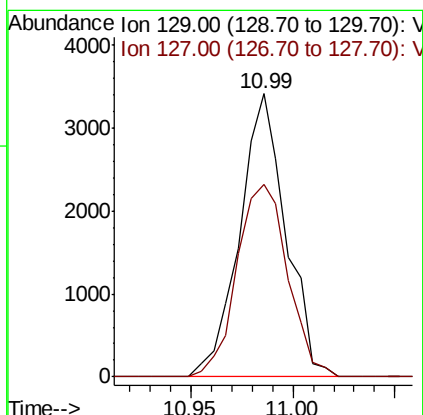
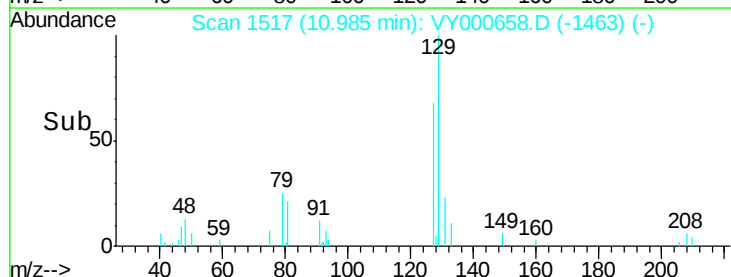
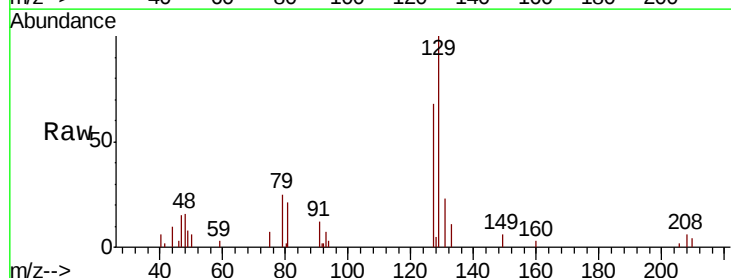
Manual Integrations
APPROVED

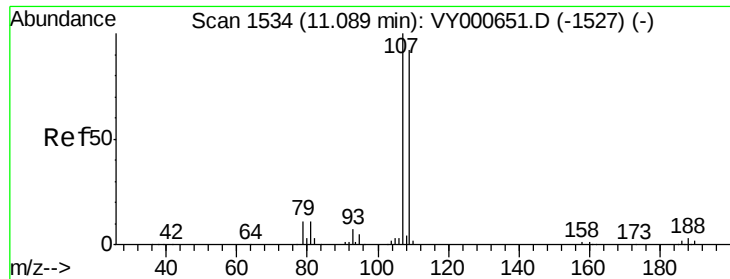
MMDadoda
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#50
Dibromochloromethane
Concen: 1.115 ug/L
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY000658.D
Acq: 12 Nov 2019 16:01

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	67.8	57.9	107.5	





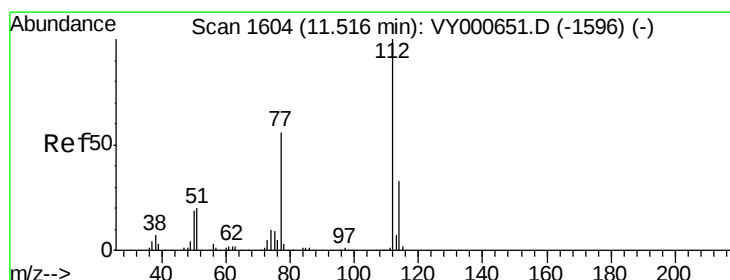
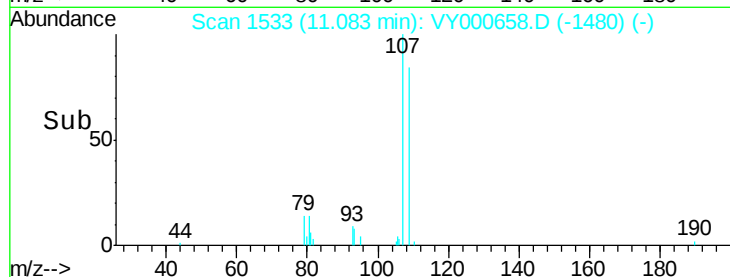
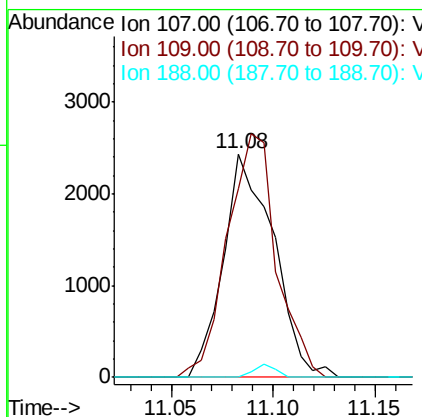
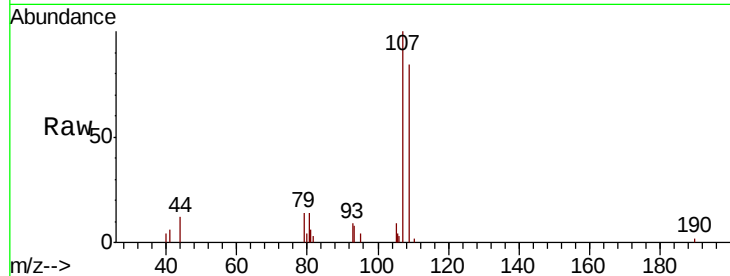
#51
 1,2-Dibromoethane
 Concen: 1.002 ug/L
 RT: 11.08 min Scan# 1533
 Delta R.T. -0.01 min
 Lab File: VY000658.D
 Acq: 12 Nov 2019 16:01

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL06

Tot Ion	Ratio	Lower	Upper
107	100		
109	84.4	65.5	121.6
188	0.0	2.7	4.1#

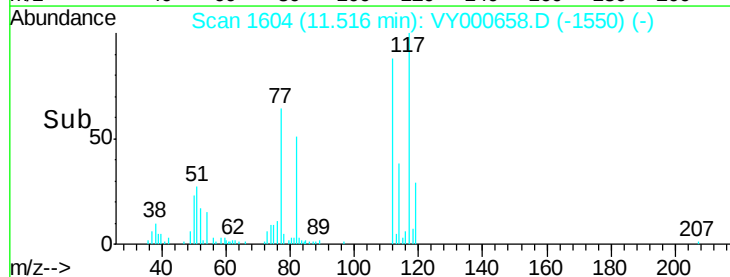
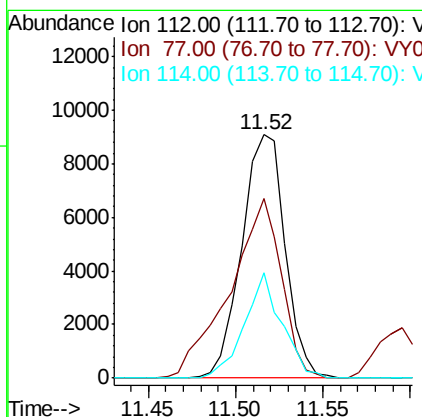
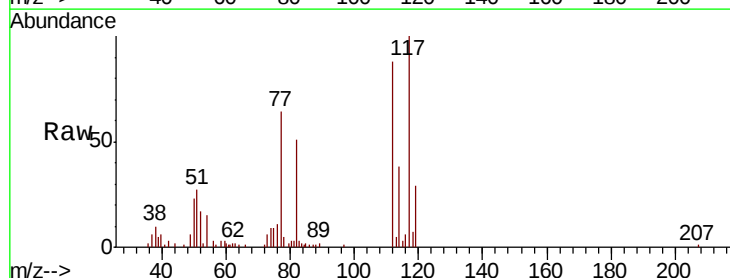
Manual Integrations
 APPROVED

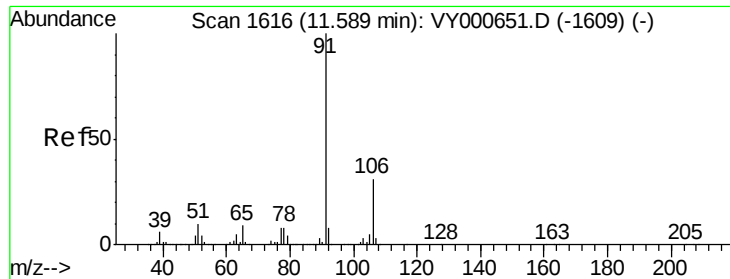
MMDadoda
 11/15/2019 3:07:16 PM



#52
 Chlorobenzene
 Concen: 1.110 ug/L
 RT: 11.52 min Scan# 1604
 Delta R.T. 0.00 min
 Lab File: VY000658.D
 Acq: 12 Nov 2019 16:01

Tgt Ion	Ratio	Lower	Upper
112	100		
77	73.5	47.4	71.0#
114	43.2	23.0	42.6#





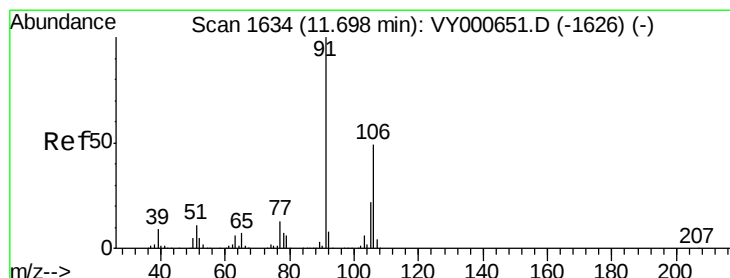
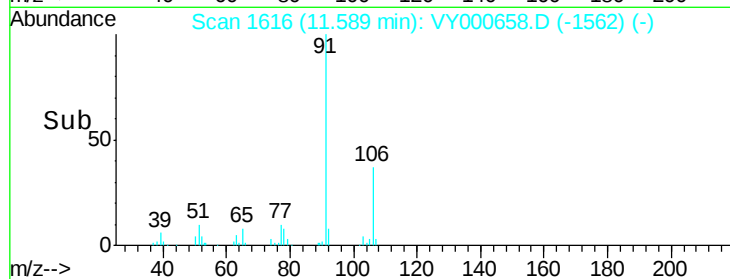
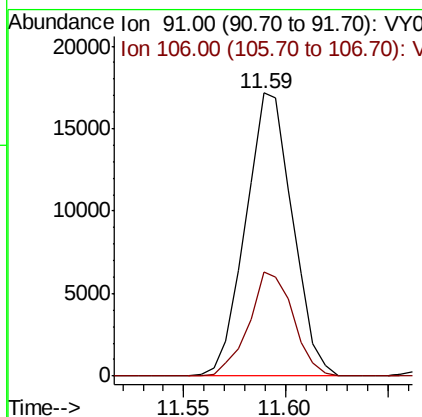
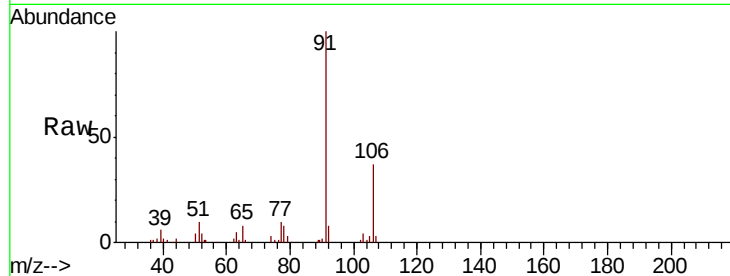
#53
Ethylbenzene
Concen: 1.090 ug/L
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY000658.D
Acq: 12 Nov 2019 16:01

Instrument :
MSVOA_Y
ClientSampleId :
MDL06

Tot Ion: 91 Resp: 27428
Ion Ratio Lower Upper
91 100
106 37.0 20.9 38.7

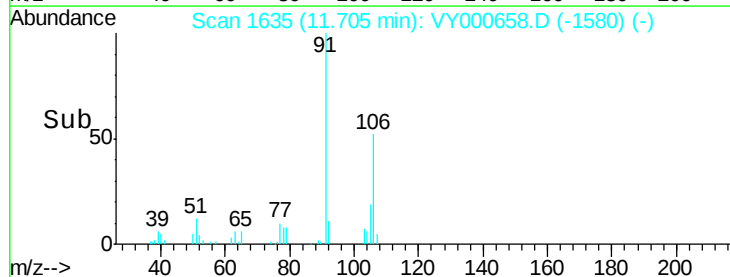
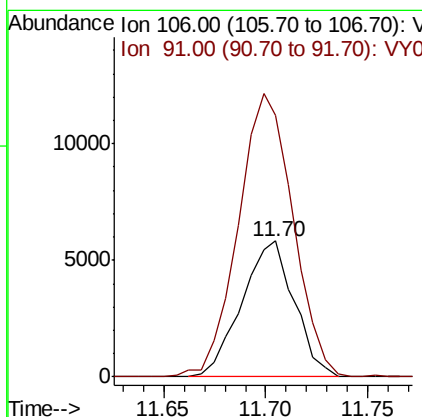
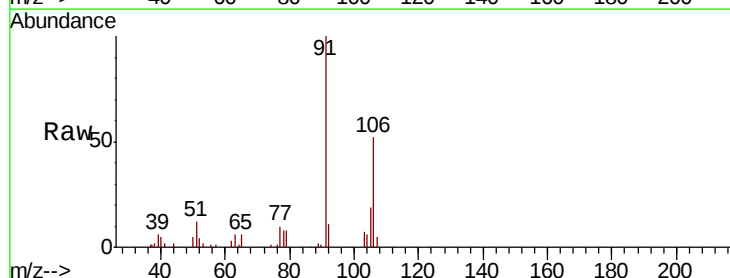
Manual Integrations
APPROVED

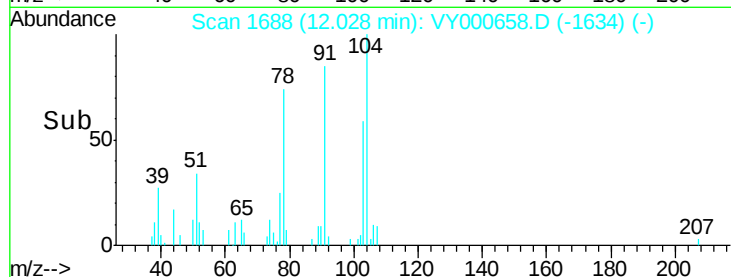
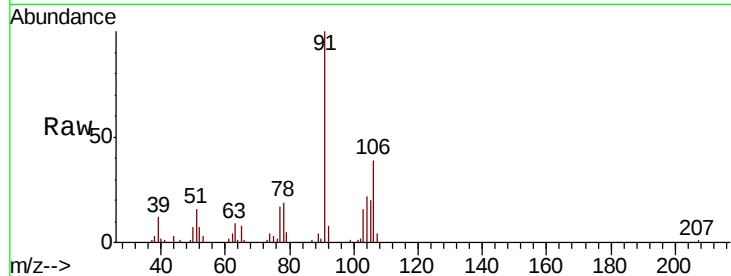
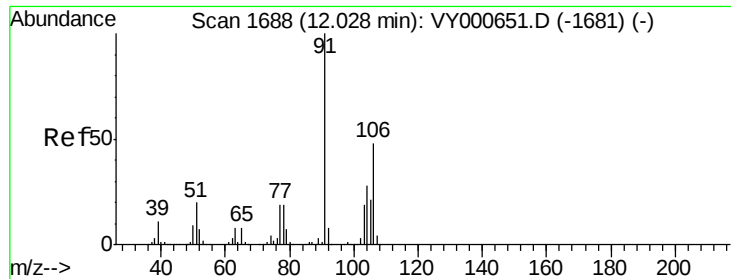
MMDadoda
11/15/2019 3:07:16 PM



#54
m,p-Xylene
Concen: 1.094 ug/L
RT: 11.70 min Scan# 1635
Delta R.T. 0.01 min
Lab File: VY000658.D
Acq: 12 Nov 2019 16:01

Tgt Ion: 106 Resp: 10414
Ion Ratio Lower Upper
106 100
91 193.0 137.4 255.2





#55

o-xylene

Concen: 1.083 ug/L

RT: 12.03 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VY000658.D

Acq: 12 Nov 2019 16:01

Tot Ion:106 Resp: 10120

Ion Ratio Lower Upper

106 100

91 254.5 147.8 274.6

Instrument :

MSVOA_Y

ClientSampled :

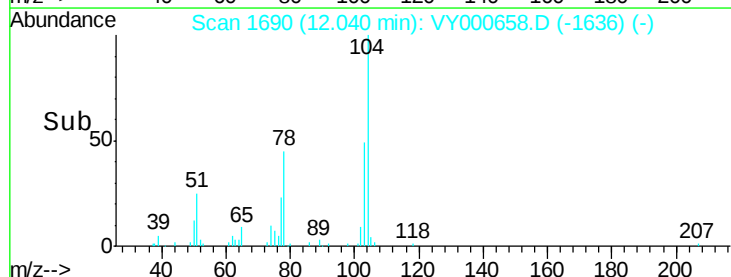
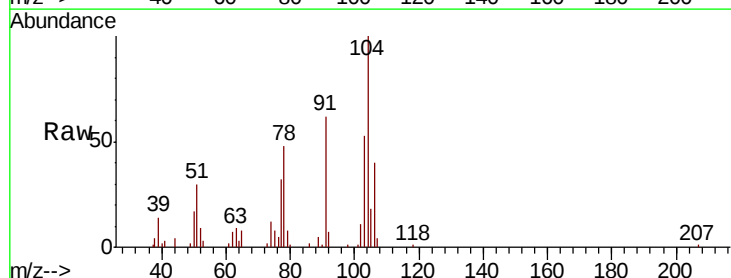
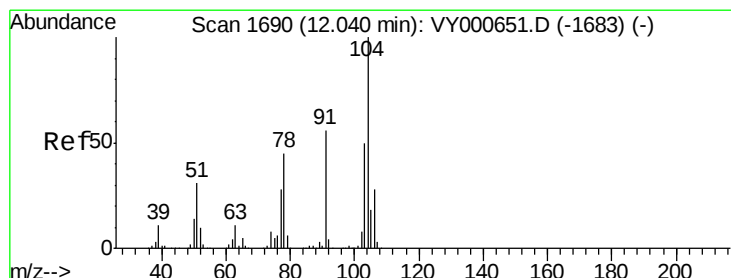
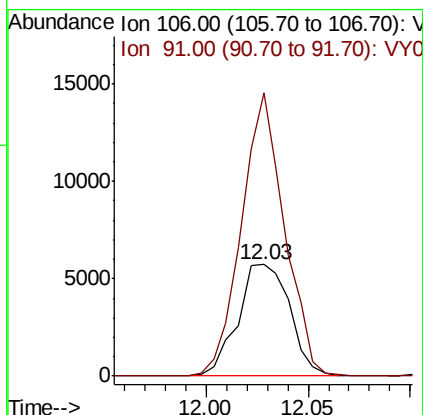
MDL06

Manual Integrations

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#56

Styrene

Concen: 1.024 ug/L

RT: 12.04 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VY000658.D

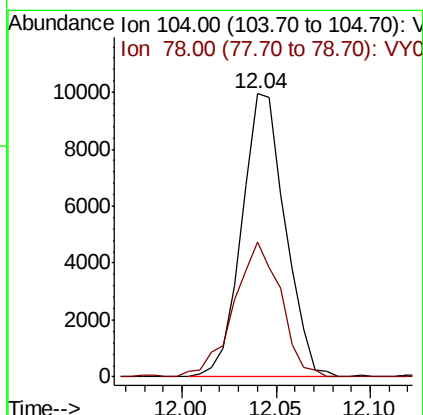
Acq: 12 Nov 2019 16:01

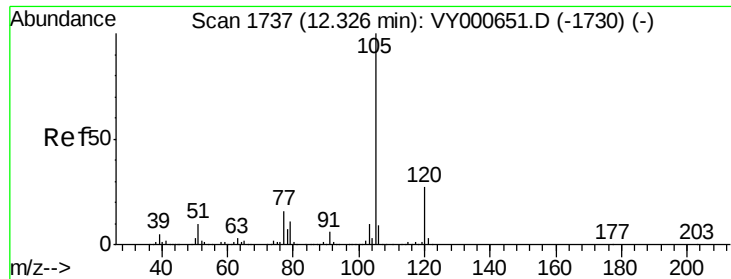
Tgt Ion:104 Resp: 15903

Ion Ratio Lower Upper

104 100

78 47.8 31.5 58.5





#57

Isopropylbenzene

Concen: 1.042 ug/L

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY000658.D

Acq: 12 Nov 2019 16:01

Instrument :

MSVOA_Y

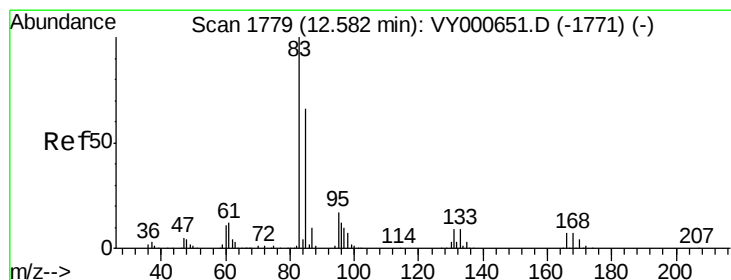
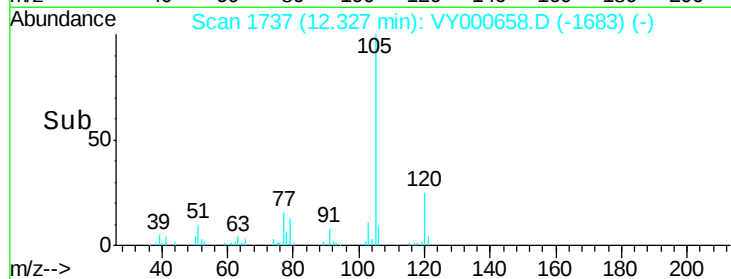
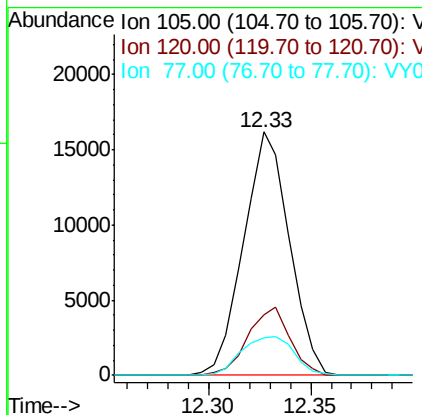
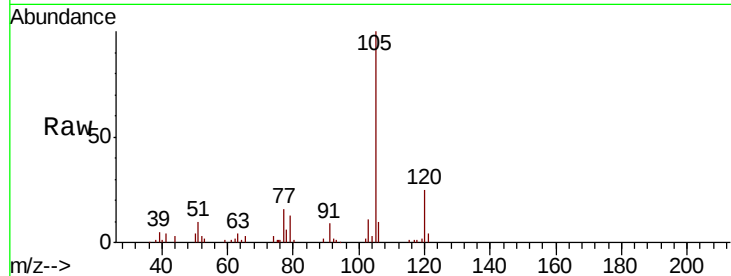
ClientSampleId :

MDL06

Tot Ion:	105	Resp:	25340
Ion Ratio	Lower	Upper	
105	100		
120	25.7	21.5	32.3
77	18.4	12.6	19.0

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#58

1,1,2,2-Tetrachloroethane

Concen: 1.185 ug/L

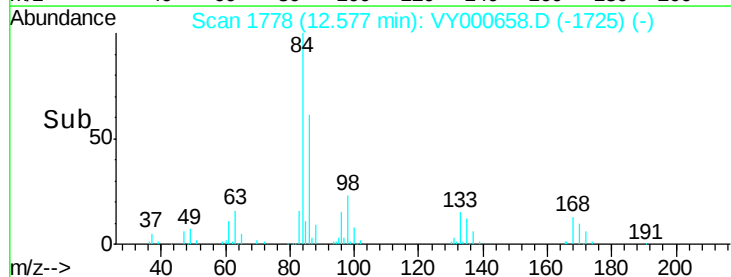
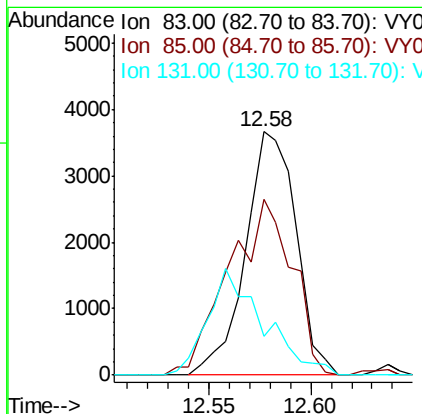
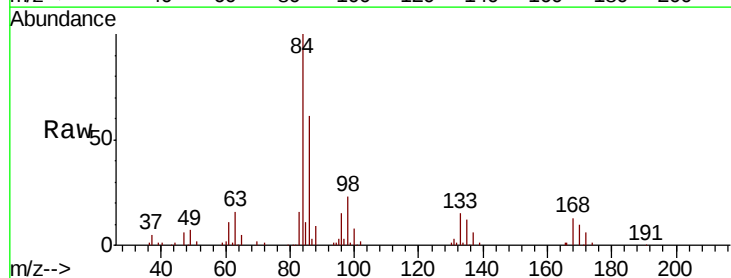
RT: 12.58 min Scan# 1778

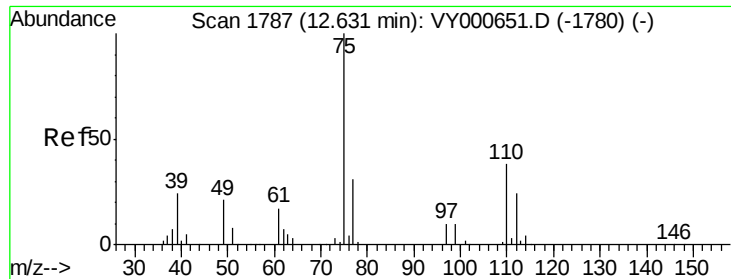
Delta R.T. -0.01 min

Lab File: VY000658.D

Acq: 12 Nov 2019 16:01

Tgt Ion:	83	Resp:	6323
Ion Ratio	Lower	Upper	
83	100		
85	72.4	45.0	83.6
131	19.4	7.8	11.6#





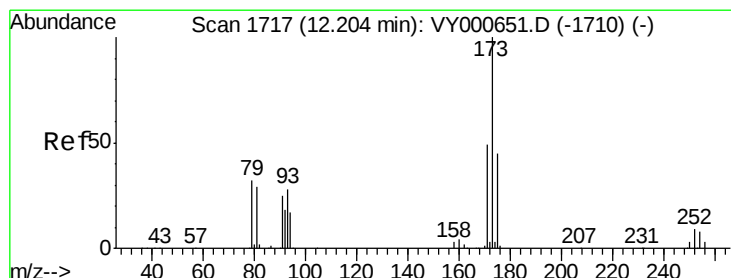
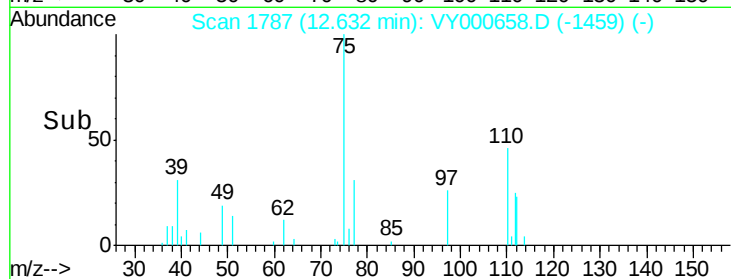
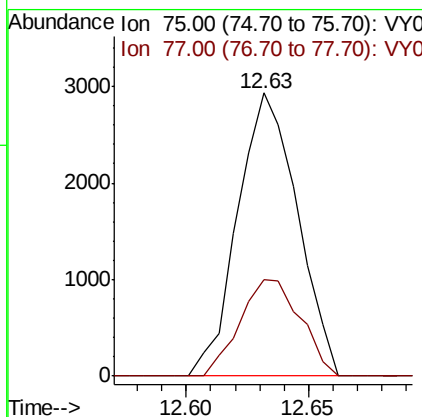
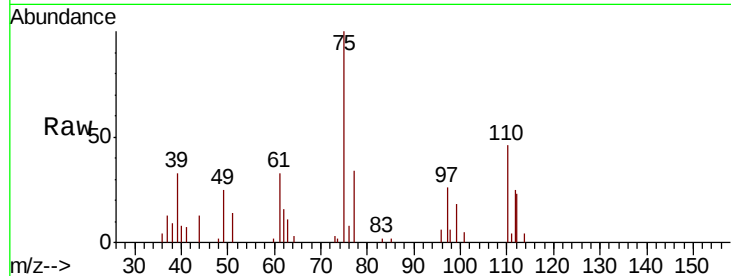
#59
1,2,3-Trichloropropane
Concen: 1.151 ug/L
RT: 12.63 min Scan# 1787
Delta R.T. 0.00 min
Lab File: VY000658.D
Acq: 12 Nov 2019 16:01

Instrument :
MSVOA_Y
ClientSampleId :
MDL06

Tot Ion: 75 Resp: 4994
Ion Ratio Lower Upper
75 100
77 34.6 26.4 39.6

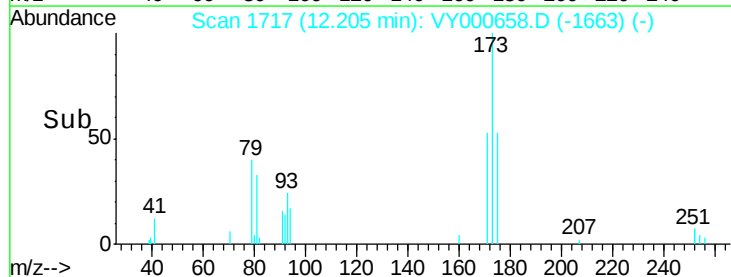
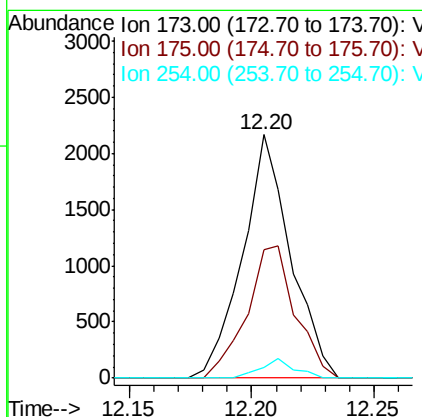
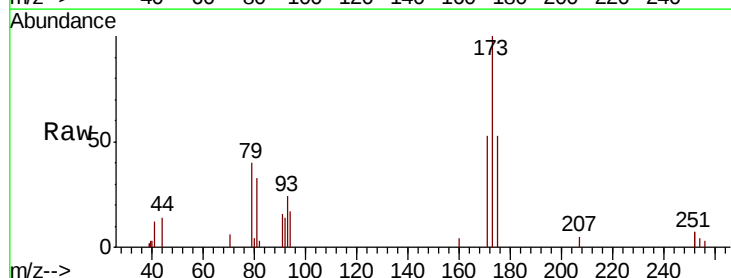
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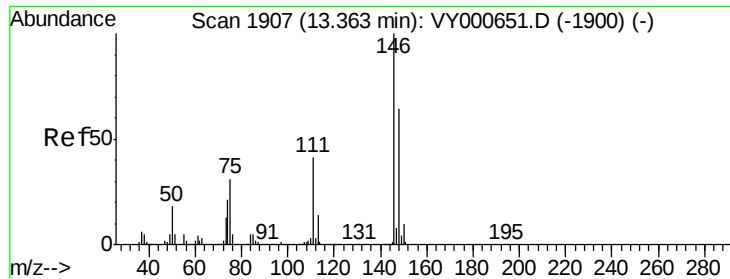
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#62
Bromoform
Concen: 1.090 ug/L
RT: 12.20 min Scan# 1717
Delta R.T. 0.00 min
Lab File: VY000658.D
Acq: 12 Nov 2019 16:01

Tgt Ion: 173 Resp: 2977
Ion Ratio Lower Upper
173 100
175 54.9 37.8 56.6
254 5.7 7.7 11.5#





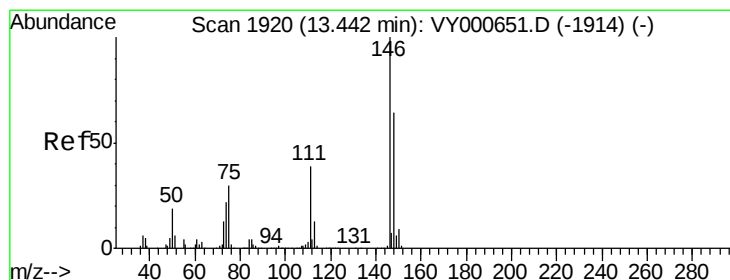
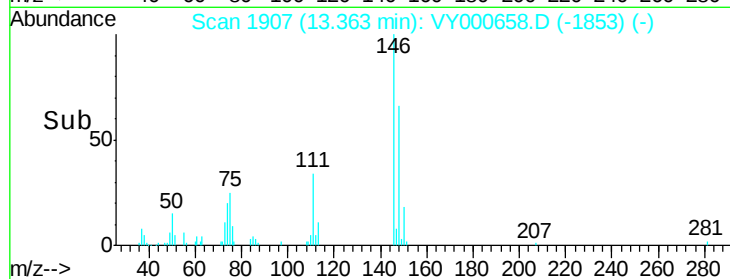
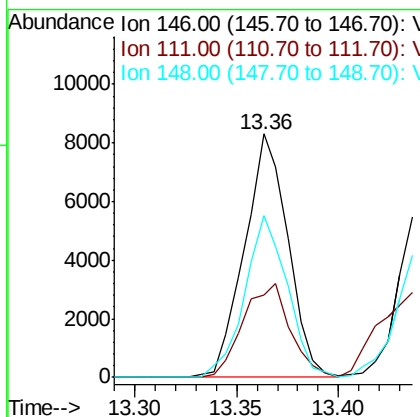
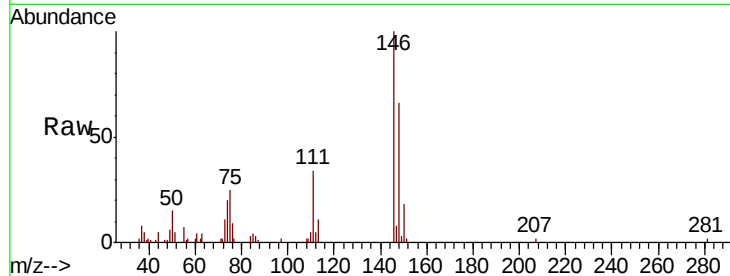
#63
 1,3-Dichlorobenzene
 Concen: 1.201 ug/L
 RT: 13.36 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY000658.D
 Acq: 12 Nov 2019 16:01

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL06

Tot Ion	Ratio	Lower	Upper
146	100		
111	34.0	28.8	53.6
148	66.2	44.3	82.3

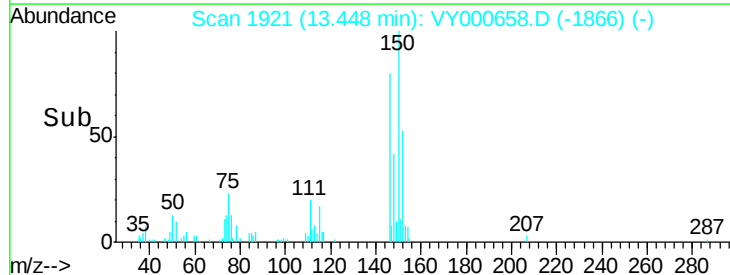
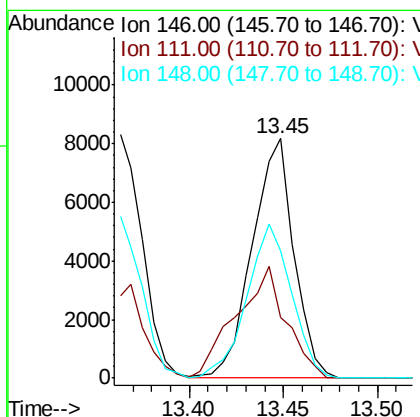
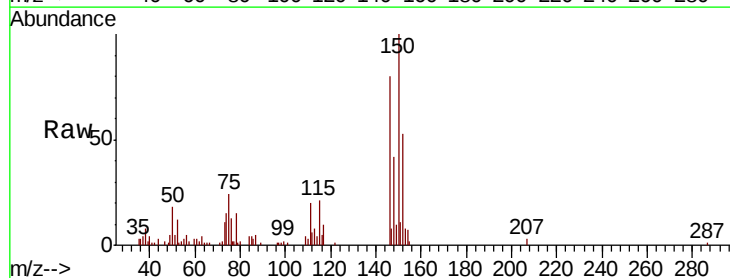
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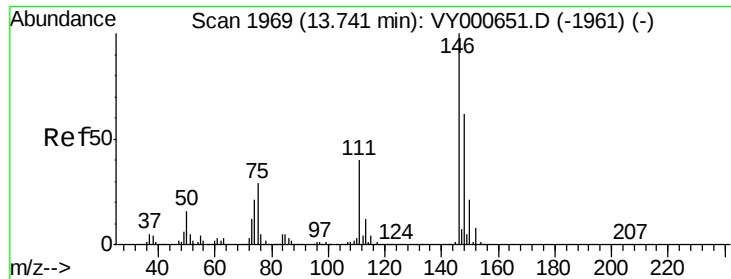
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#64
 1,4-Dichlorobenzene
 Concen: 1.225 ug/L
 RT: 13.45 min Scan# 1921
 Delta R.T. 0.01 min
 Lab File: VY000658.D
 Acq: 12 Nov 2019 16:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	25.1	26.7	49.5#
148	53.1	45.2	84.0





#65

1,2-Dichlorobenzene

Concen: 1.226 ug/L

RT: 13.73 min Scan# 1968

Delta R.T. -0.01 min

Lab File: VY000658.D

Acq: 12 Nov 2019 16:01

Instrument :

MSVOA_Y

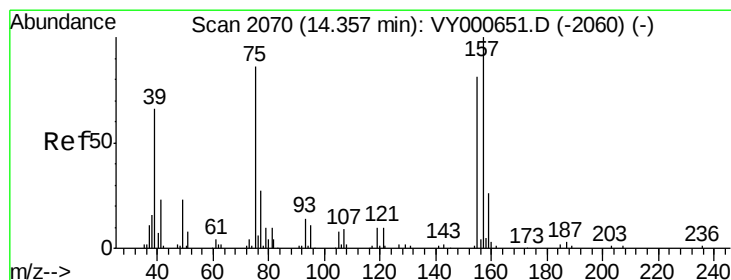
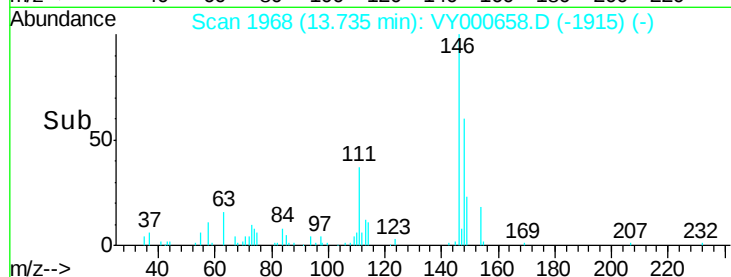
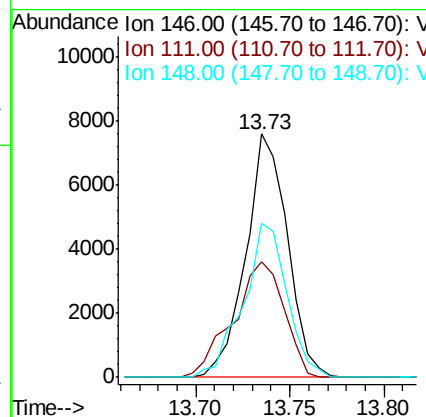
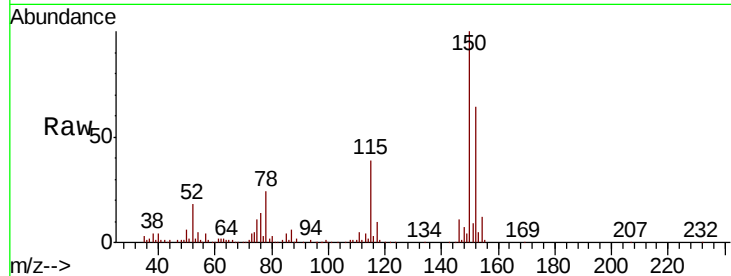
ClientSampleId :

MDL06

Tot Ion:	146	Resp:	11653
Ion Ratio	Lower	Upper	
146	100		
111	47.4	33.8	50.8
148	63.3	51.0	76.6

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#66

1,2-Dibromo-3-chloropropane

Concen: 1.248 ug/L

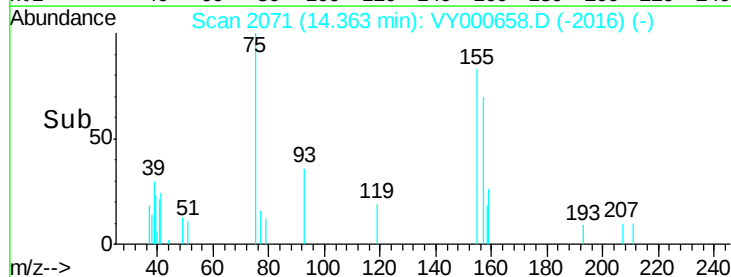
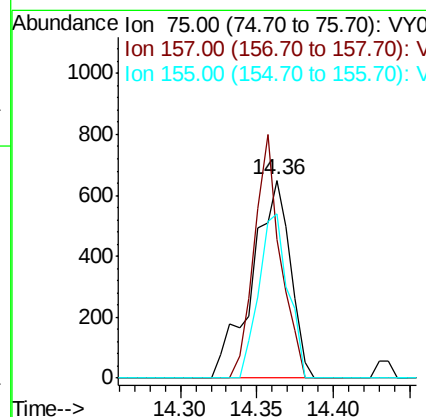
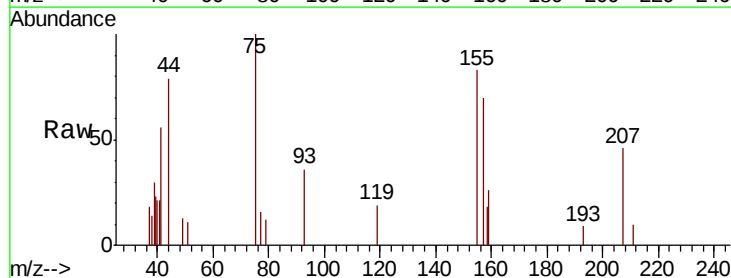
RT: 14.36 min Scan# 2071

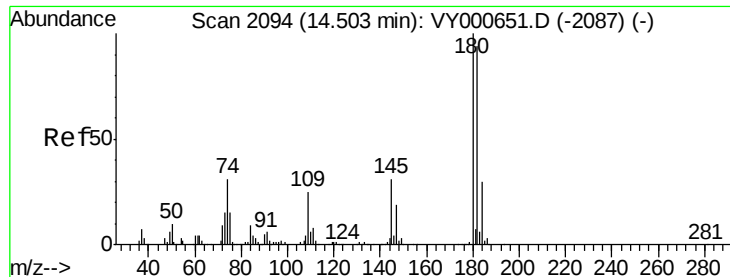
Delta R.T. 0.01 min

Lab File: VY000658.D

Acq: 12 Nov 2019 16:01

Tgt Ion:	75	Resp:	1127
Ion Ratio	Lower	Upper	
75	100		
157	69.8	78.1	117.1#
155	82.9	64.2	96.4





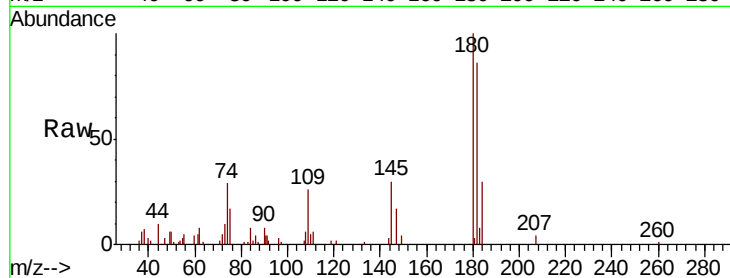
#67
 1,3,5-Trichlorobenzene
 Concen: 1.280 ug/L
 RT: 14.50 min Scan# 2094
 Delta R.T. 0.00 min
 Lab File: VY000658.D
 Acq: 12 Nov 2019 16:01

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL06

Tot Ion	Ratio	Lower	Upper
180	100		
182	88.4	75.6	113.4
184	29.4	24.5	36.7
145	31.5	25.1	37.7

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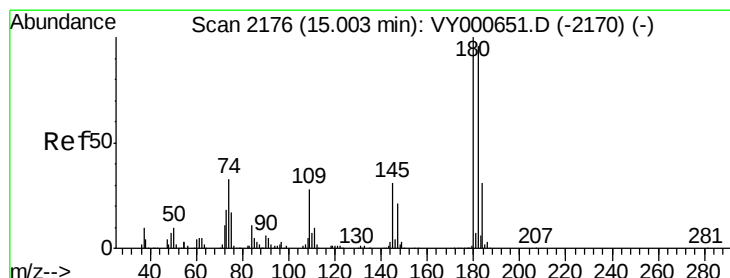
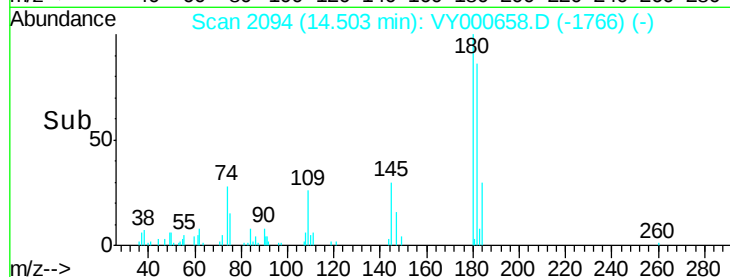
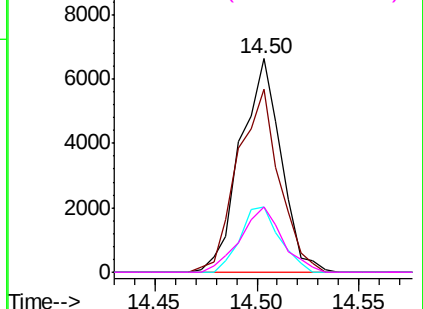
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

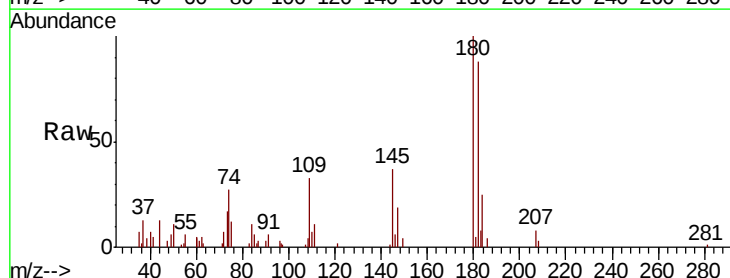
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 1.184 ug/L
 RT: 15.00 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VY000658.D
 Acq: 12 Nov 2019 16:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.3	77.5	116.3
145	32.0	25.4	38.2

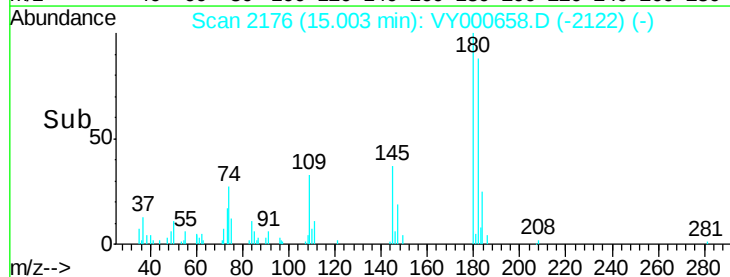
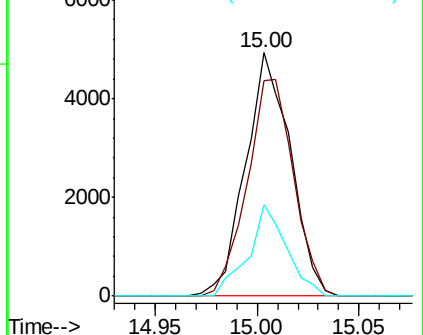


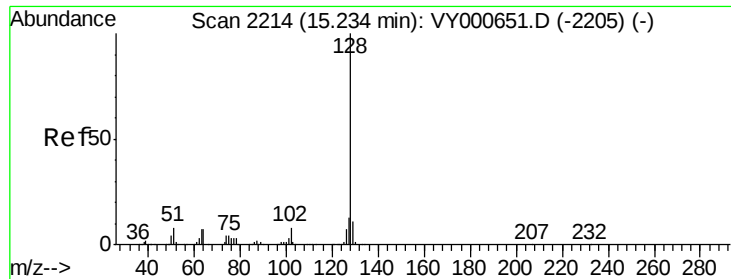
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





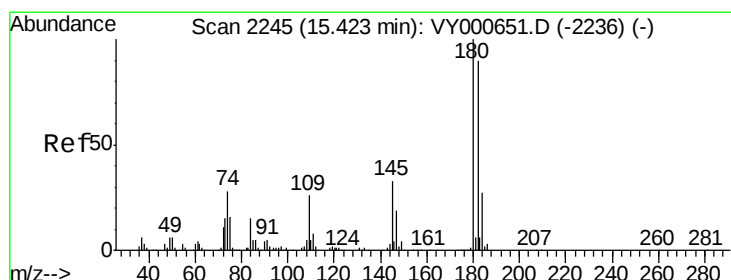
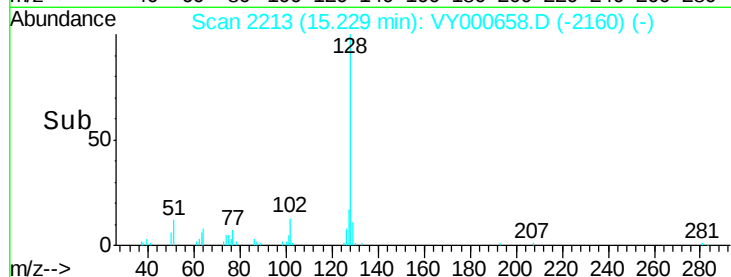
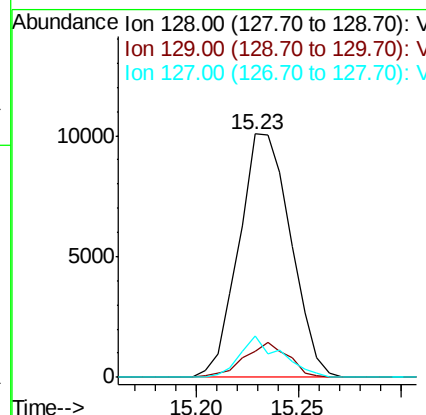
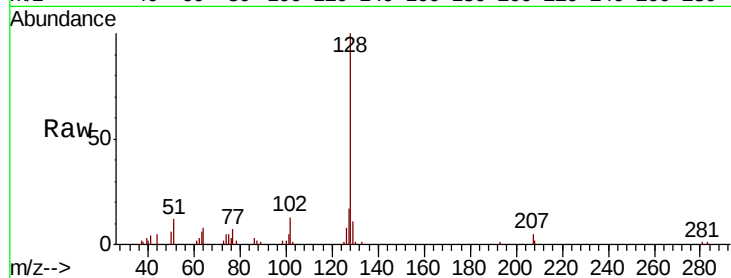
#69
Naphthalene
Concen: 1.118 ug/L
RT: 15.23 min Scan# 2213
Delta R.T. -0.01 min
Lab File: VY000658.D
Acq: 12 Nov 2019 16:01

Instrument :
MSVOA_Y
ClientSampleId :
MDL06

Tot Ion	Ratio	Lower	Upper
128	100		
129	12.5	8.4	12.6
127	13.5	9.8	14.6

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#70
1,2,3-Trichlorobenzene
Concen: 1.139 ug/L
RT: 15.42 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VY000658.D
Acq: 12 Nov 2019 16:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	0.0	76.2	114.4#
145	12.4	26.6	39.8#

