

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111419\
 Data File : VY000686.D
 Acq On : 14 Nov 2019 21:11
 Operator : SY/MD
 Sample : MDL7
 Misc : 5ML/MSVOA Y/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL7

Manual Integrations
 APPROVED

MMDadoda
 11/15/2019 3:05:26 PM

Quant Time: Nov 15 10:44:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOMYLM111419WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 15 10:16:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	306581	50.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	274076	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	121949	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	112916	46.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.78%
7) Chloroethane-d5	2.76	69	104082	52.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	104.84%
11) 1,1-Dichloroethene-d2	3.85	63	154127	36.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.56%
21) 2-Butanone-d5	6.91	46	120251	126.58	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	126.58%
24) Chloroform-d	7.49	84	195140	56.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	112.44%
26) 1,2-Dichloroethane-d4	8.15	65	132093	53.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.90%
32) Benzene-d6	8.12	84	401407	52.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.74%
36) 1,2-Dichloropropane-d6	9.13	67	130031	54.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	109.98%
41) Toluene-d8	10.18	98	343037	48.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.66%
43) trans-1,3-Dichloropropene-	10.44	79	64256	54.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	108.62%
47) 2-Hexanone-d5	10.79	63	82815	118.79	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	118.79%
57) 1,1,2,2-Tetrachloroethane-	12.56	84	146327	52.46	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.92%
64) 1,2-Dichlorobenzene-d4	13.72	152	122349	51.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.72%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.90	85	2990m	1.708	ug/L	
3) Chloromethane	2.11	50	5387	2.314	ug/L	# 81
5) Vinyl chloride	2.26	62	5573	2.387	ug/L	85
6) Bromomethane	2.66	94	3233	2.409	ug/L	93
8) Chloroethane	2.80	64	3450	2.355	ug/L	100
9) Trichlorofluoromethane	3.13	101	6856	1.989	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	3.89	101	4587m	2.385	ug/L	
12) 1,1-Dichloroethene	3.87	96	5122	2.662	ug/L	# 1
13) Acetone	3.96	43	4597	6.721	ug/L	90
14) Carbon disulfide	4.19	76	10415	1.962	ug/L	# 86
15) Methyl Acetate	4.49	43	4414m	2.568	ug/L	
16) Methylene chloride	4.72	84	5808m	2.823	ug/L	
17) trans-1,2-Dichloroethene	5.22	96	4358m	2.169	ug/L	
18) Methyl tert-butyl Ether	5.22	73	14792	2.445	ug/L	# 77
19) 1,1-Dichloroethane	6.02	63	8711m	2.412	ug/L	
20) cis-1,2-Dichloroethene	6.99	96	5532	2.456	ug/L	88
22) 2-Butanone	7.00	43	5836	5.423	ug/L	78

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.35	128	2632	2.535	ug/L	93
25) Chloroform	7.52	83	12711	3.074	ug/L	96
27) 1,2-Dichloroethane	8.25	62	6717	2.379	ug/L #	94
29) Cyclohexane	7.78	56	4837	1.512	ug/L #	78
30) 1,1,1-Trichloroethane	7.71	97	6551	2.188	ug/L #	85
31) Carbon tetrachloride	7.91	117	4842	1.806	ug/L	85
33) Benzene	8.17	78	16893	2.069	ug/L	100
34) Trichloroethene	8.95	95	4320	2.107	ug/L	86
35) Methylcyclohexane	9.19	83	4958	1.465	ug/L	98
37) 1,2-Dichloropropane	9.22	63	4754	2.347	ug/L #	95
38) Bromodichloromethane	9.50	83	6416	2.358	ug/L	92
39) cis-1,3-Dichloropropene	9.93	75	8131	2.363	ug/L	95
40) 4-Methyl-2-pentanone	10.08	43	10915	4.698	ug/L	99
42) Toluene	10.24	91	18574	2.149	ug/L	96
44) trans-1,3-Dichloropropene	10.46	75	10357	3.437	ug/L	85
45) 1,1,2-Trichloroethane	10.64	97	4576	2.382	ug/L	93
46) Tetrachloroethene	10.72	164	2635	1.661	ug/L #	74
48) 2-Hexanone	10.83	43	9922	5.915	ug/L #	93
49) Dibromochloromethane	10.99	129	4582	2.202	ug/L	94
50) 1,2-Dibromoethane	11.09	107	4654	2.420	ug/L #	89
51) Chlorobenzene	11.52	112	11964	2.149	ug/L	96
52) Ethylbenzene	11.59	91	18020	1.827	ug/L	95
53) m,p-Xylene	11.70	106	7479	1.972	ug/L	65
54) o-xylene	12.03	106	7658	2.059	ug/L	86
55) Styrene	12.04	104	11447	1.812	ug/L	97
56) Isopropylbenzene	12.33	105	15753	1.655	ug/L	95
58) 1,1,1,2,2-Tetrachloroethane	12.58	83	7519	2.766	ug/L #	92
59) 1,2,3-Trichloropropane	12.64	75	5478	2.547	ug/L	100
61) Bromoform	12.20	173	2641	2.139	ug/L #	77
62) 1,3-Dichlorobenzene	13.36	146	7838	2.049	ug/L	85
63) 1,4-Dichlorobenzene	13.45	146	9866	2.518	ug/L #	79
65) 1,2-Dichlorobenzene	13.73	146	8641	2.294	ug/L #	80
66) 1,2-Dibromo-3-chloropropan	14.36	75	1139	2.503	ug/L #	77
67) 1,3,5-Trichlorobenzene	14.50	180	5570	2.087	ug/L	97
68) 1,2,4-trichlorobenzene	15.01	180	5735	2.290	ug/L	97
69) Naphthalene	15.23	128	16426	2.195	ug/L	98
70) 1,2,3-Trichlorobenzene	15.42	180	5362	2.225	ug/L	89

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

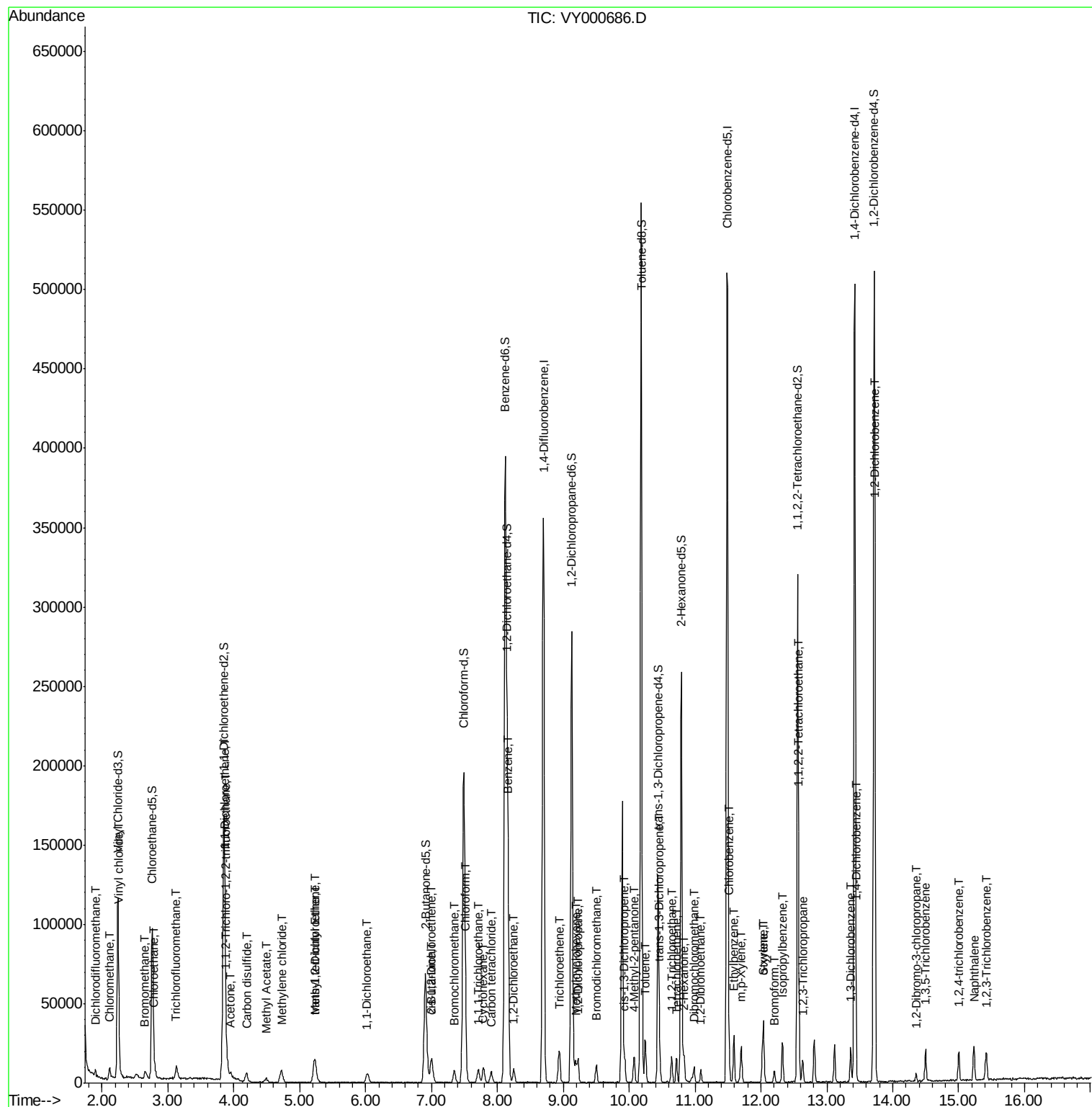
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY111419\
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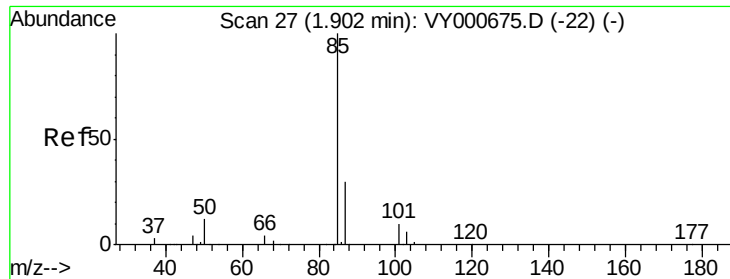
Instrument :
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#2

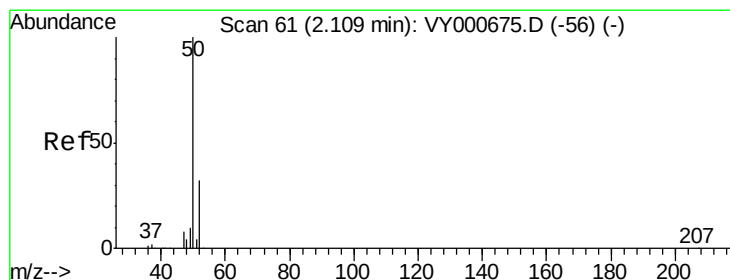
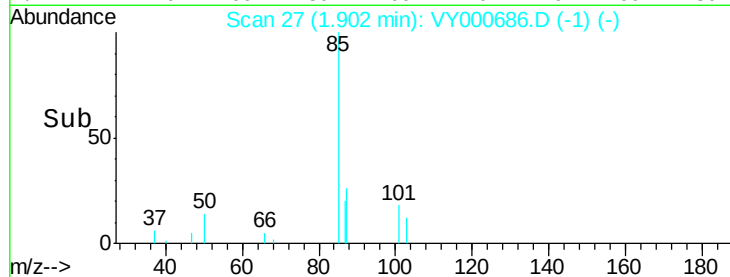
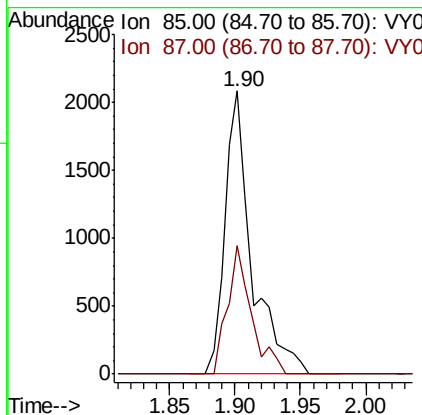
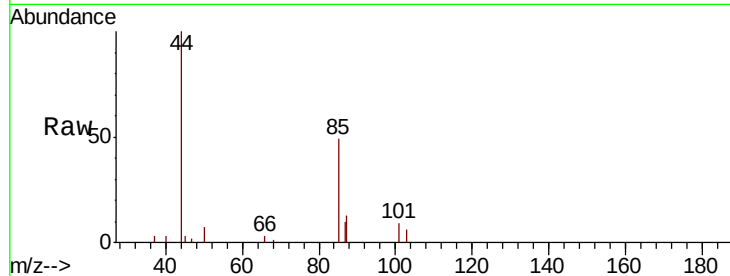
Dichlorodifluoromethane
Concen: 1.708 ug/L
RT: 1.90 min Scan# 27
Delta R.T. -0.00 min
Lab File: VY000686.D
Acq: 14 Nov 2019 21:11

Instrument :
MSVOA_Y
ClientSampleId :
MDL7

Tot Ion	85	Resp	2990
Ion Ratio	100	Lower	Upper
85	100		
87	36.7	25.8	38.6

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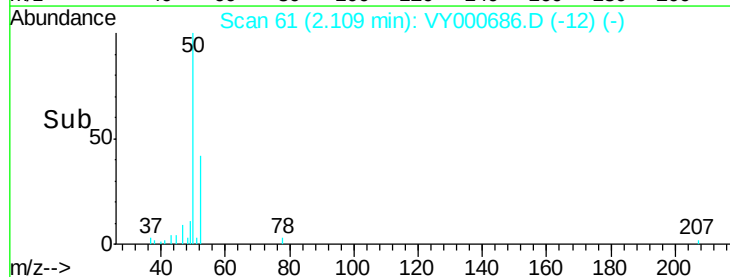
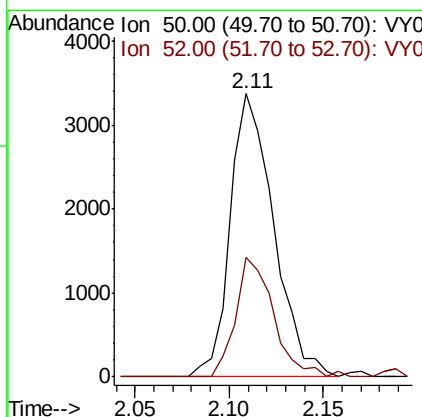
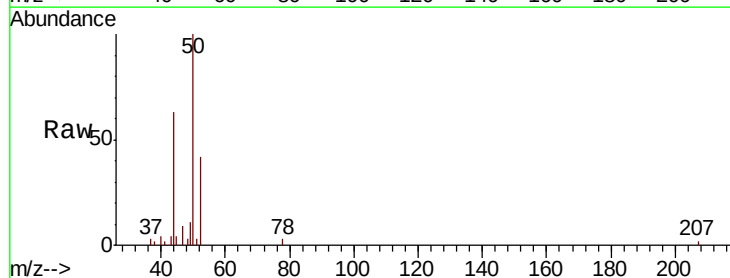
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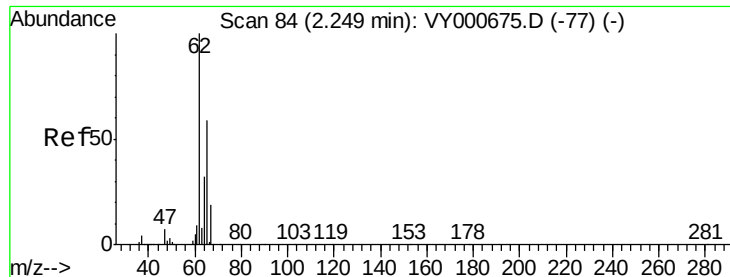


#3

Chloromethane
Concen: 2.314 ug/L
RT: 2.11 min Scan# 61
Delta R.T. -0.00 min
Lab File: VY000686.D
Acq: 14 Nov 2019 21:11

Tgt Ion	50	Resp	5387
Ion Ratio	100	Lower	Upper
50	100		
52	42.0	22.2	41.2#





#5

Vinyl chloride

Concen: 2.387 ug/L

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY000686.D

Acq: 14 Nov 2019 21:11

Instrument :

MSVOA_Y

ClientSampleId :

MDL7

Tot Ion: 62 Resp: 5573

Ion Ratio Lower Upper

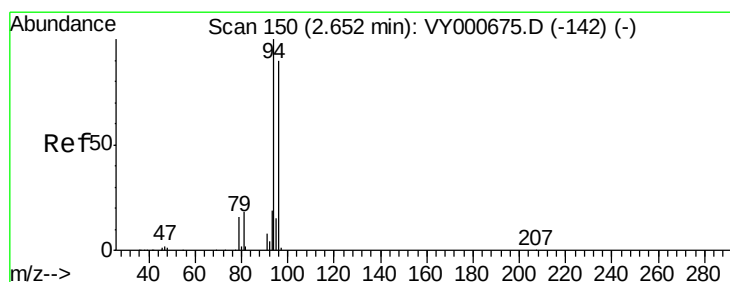
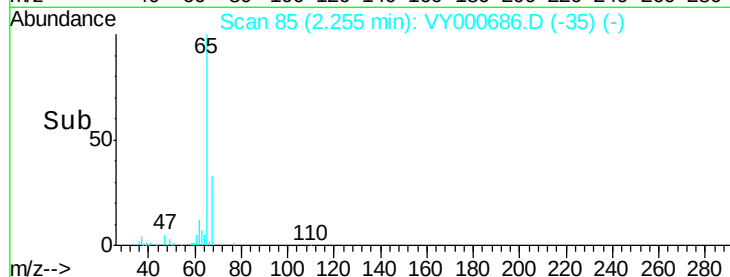
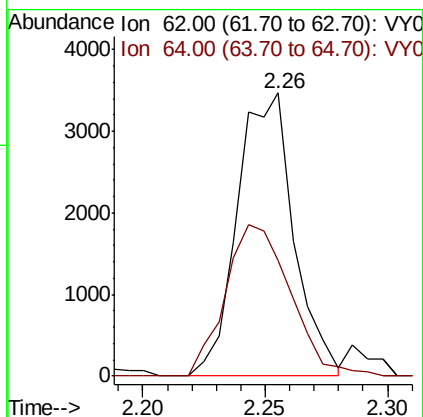
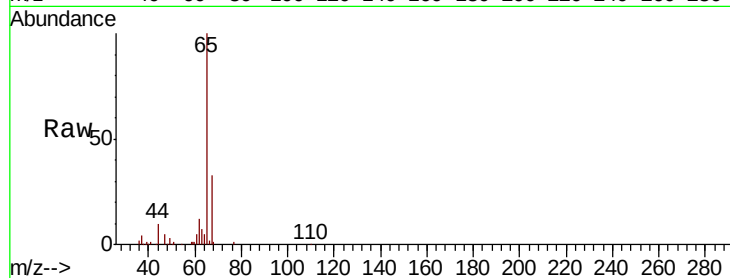
62 100

64 41.0 22.7 42.1

Manual Integrations
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11/15/2019 3:05:26 PM



#6

Bromomethane

Concen: 2.409 ug/L

RT: 2.66 min Scan# 151

Delta R.T. 0.01 min

Lab File: VY000686.D

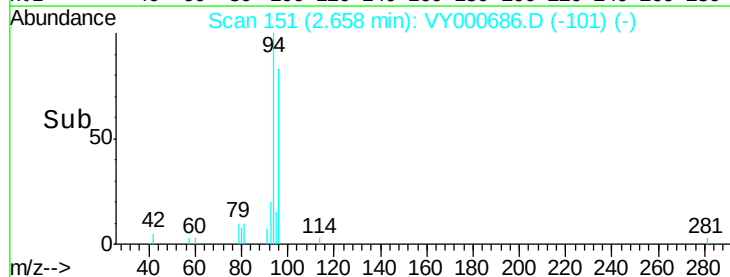
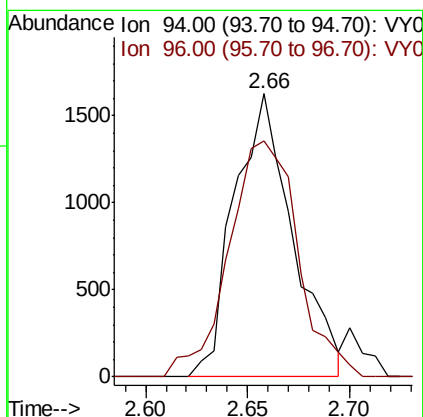
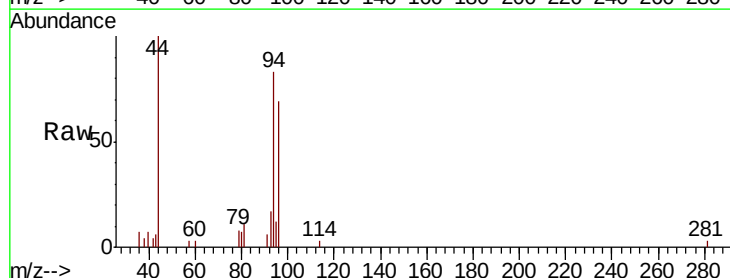
Acq: 14 Nov 2019 21:11

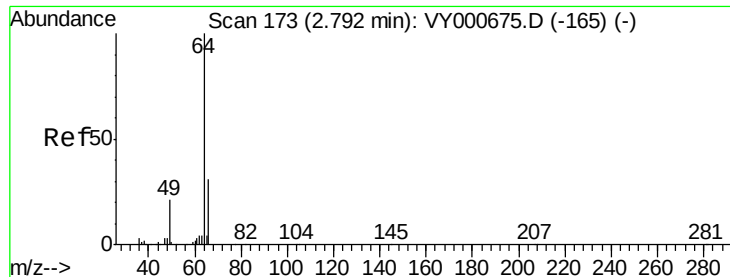
Tgt Ion: 94 Resp: 3233

Ion Ratio Lower Upper

94 100

96 83.3 63.0 117.0





#8

Chloroethane

Concen: 2.355 ug/L

RT: 2.80 min Scan# 174

Delta R.T. 0.01 min

Lab File: VY000686.D

Acq: 14 Nov 2019 21:11

Instrument :

MSVOA_Y

ClientSampleId :

MDL7

Tot Ion: 64 Resp: 3450

Ion Ratio Lower Upper

64 100

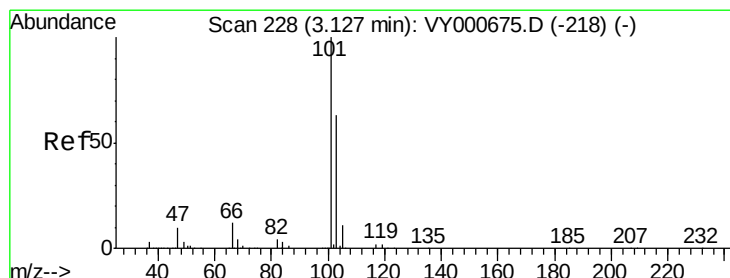
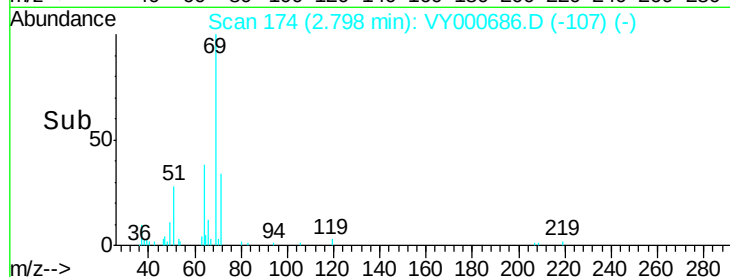
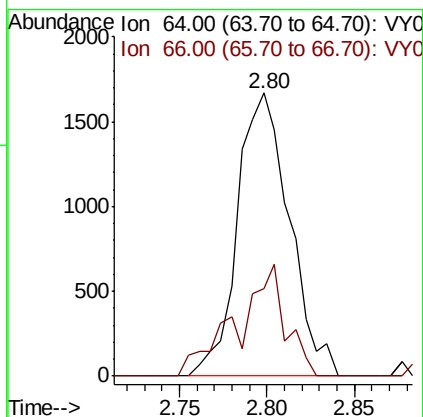
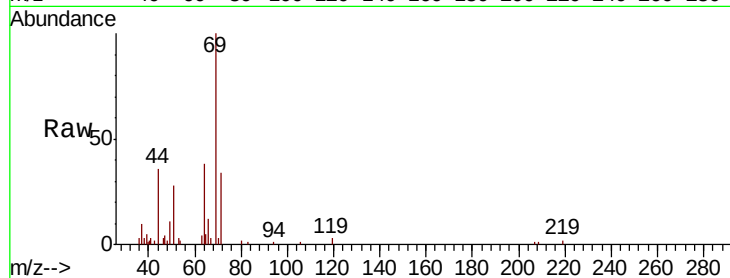
66 30.8 21.7 40.3

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11/15/2019 3:05:26 PM



#9

Trichlorofluoromethane

Concen: 1.989 ug/L

RT: 3.13 min Scan# 228

Delta R.T. -0.00 min

Lab File: VY000686.D

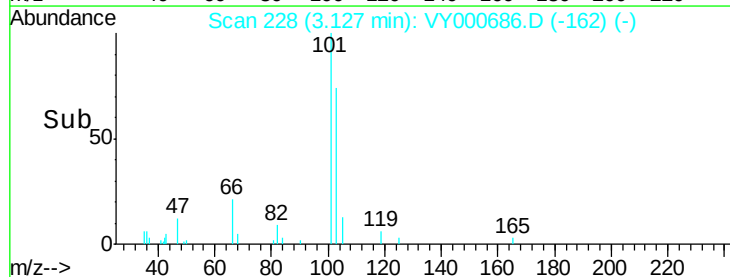
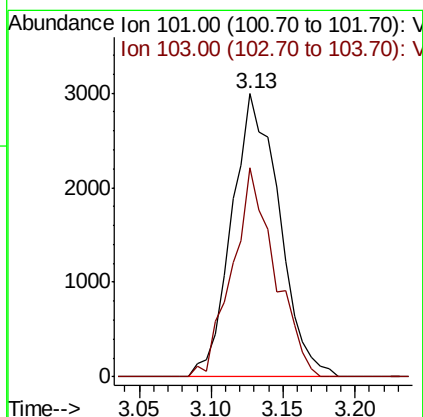
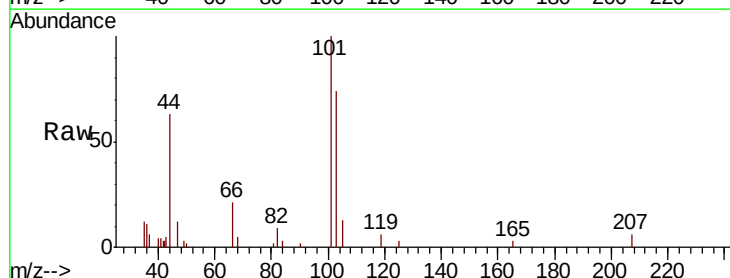
Acq: 14 Nov 2019 21:11

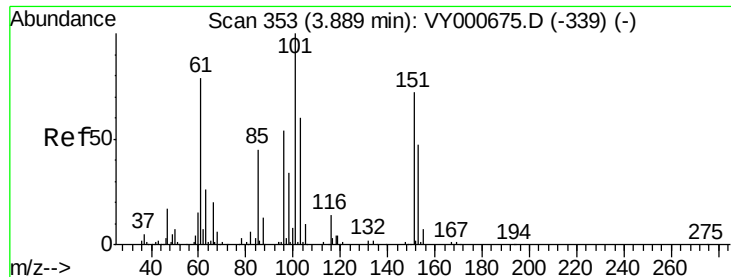
Tgt Ion: 101 Resp: 6856

Ion Ratio Lower Upper

101 100

103 65.4 52.5 78.7





#10

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

Concen: 2.385 ug/L m

RT: 3.89 min Scan# 353

Delta R.T. -0.00 min

Lab File: VY000686.D

Acq: 14 Nov 2019 21:11

Instrument :

MSVOA_Y

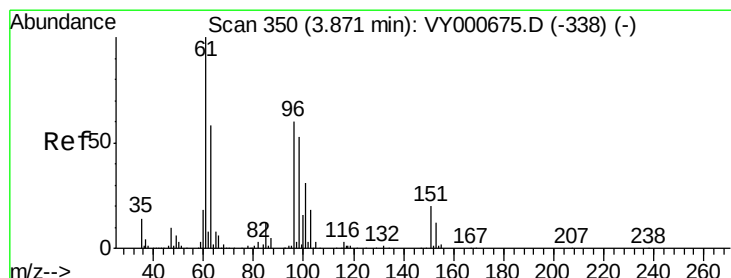
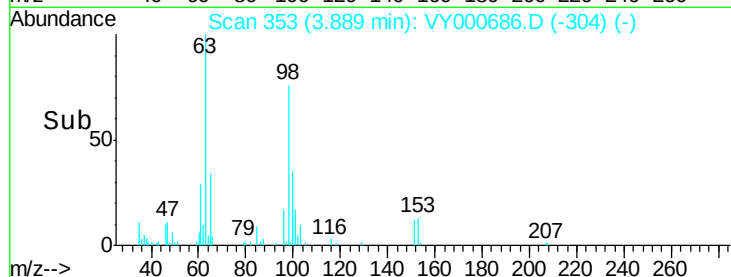
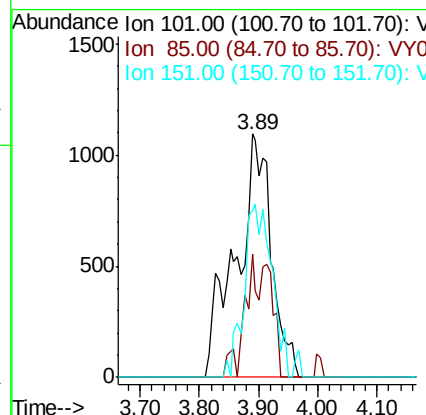
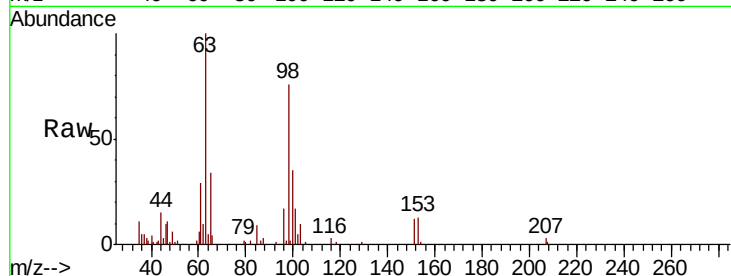
ClientSampled :

MDL7

Tot Ion:	101	Resp:	4587
Ion Ratio	Lower	Upper	
101	100		
85	17.2	35.3	52.9#
151	49.8	57.7	86.5#

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 2.662 ug/L

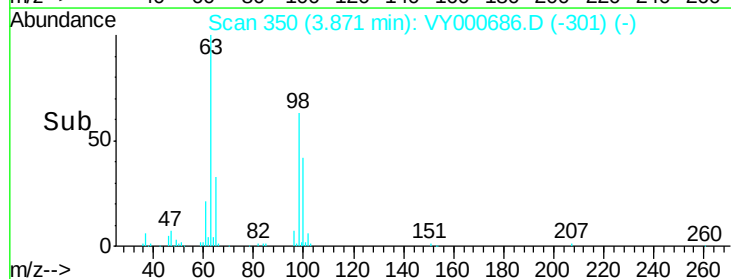
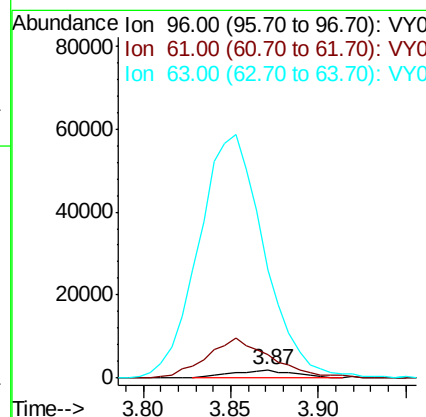
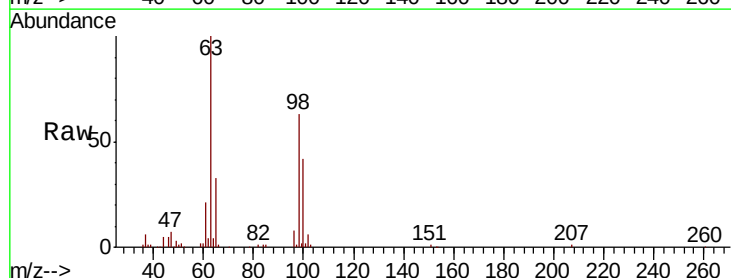
RT: 3.87 min Scan# 350

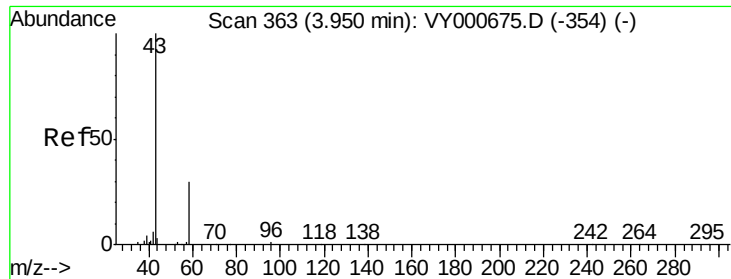
Delta R.T. -0.00 min

Lab File: VY000686.D

Acq: 14 Nov 2019 21:11

Tgt Ion:	96	Resp:	5122
Ion Ratio	Lower	Upper	
96	100		
61	281.5	117.5	218.3#
63	1312.2	70.1	130.3#





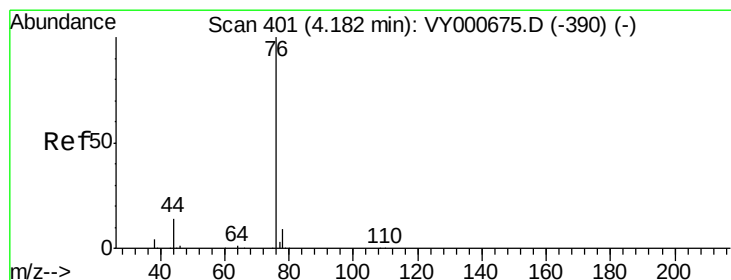
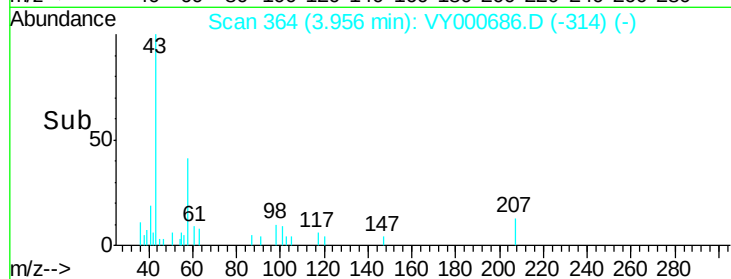
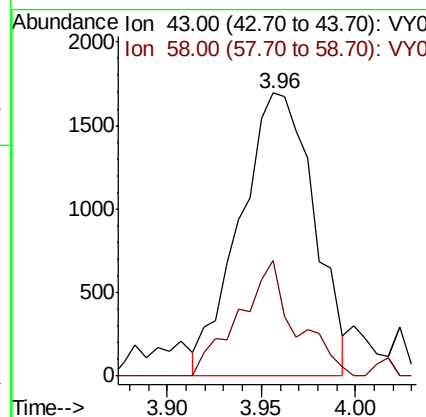
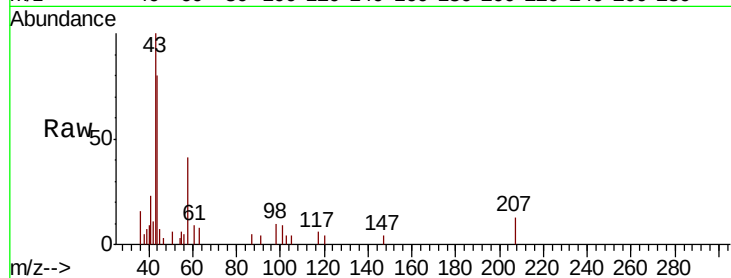
#13
Acetone
Concen: 6.721 ug/L
RT: 3.96 min Scan# 364
Delta R.T. 0.01 min
Lab File: VY000686.D
Acq: 14 Nov 2019 21:11

Instrument :
MSVOA_Y
ClientSampleId :
MDL7

Tot Ion	Ratio	Lower	Upper
43	100		
58	25.7	0.0	62.2

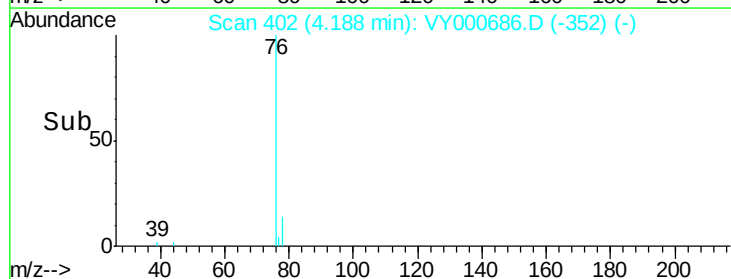
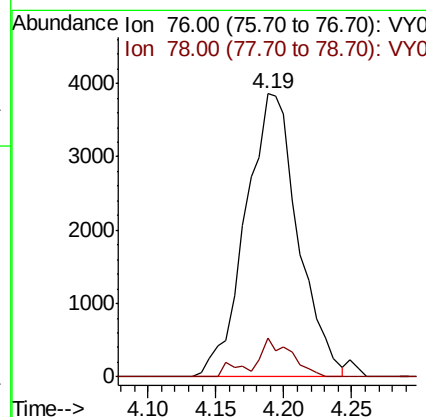
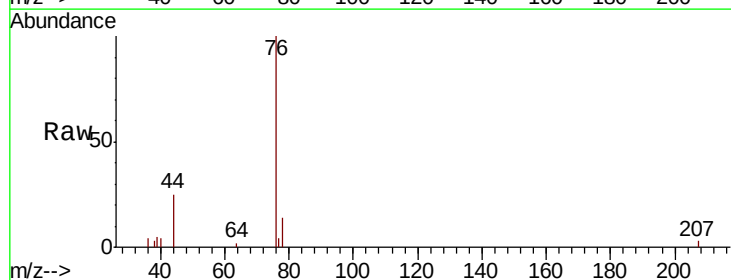
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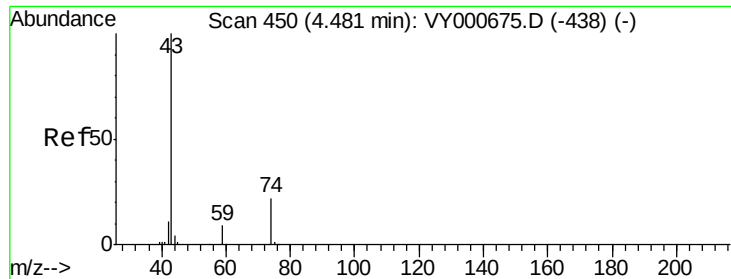
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11/15/2019 3:05:26 PM



#14
Carbon disulfide
Concen: 1.962 ug/L
RT: 4.19 min Scan# 402
Delta R.T. 0.01 min
Lab File: VY000686.D
Acq: 14 Nov 2019 21:11

Tgt Ion	Ratio	Lower	Upper
76	100		
78	13.8	7.0	10.6





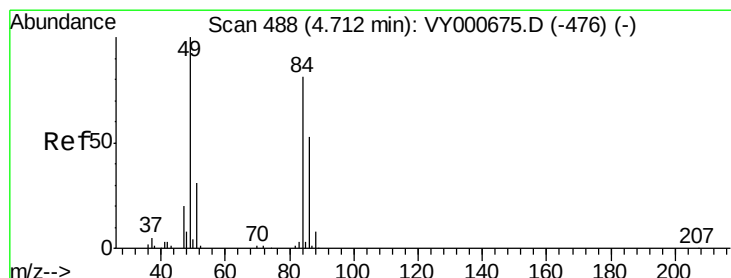
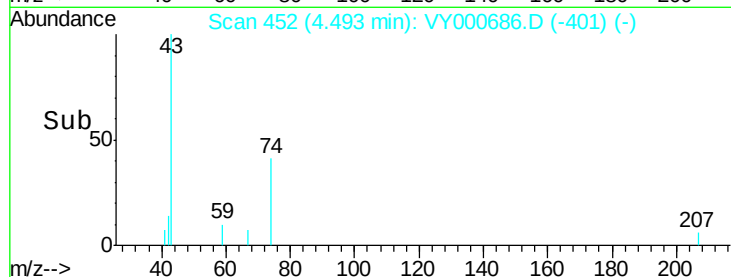
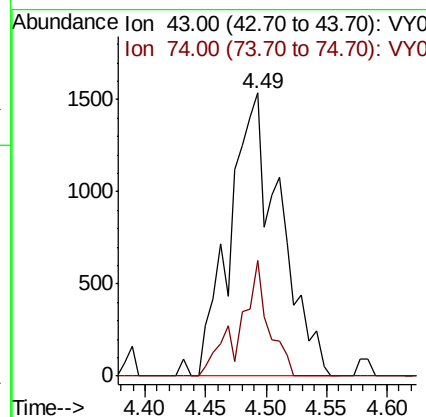
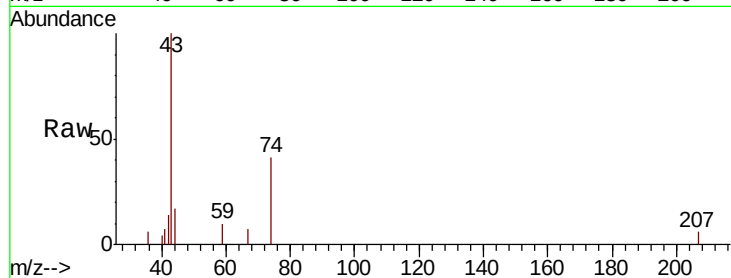
#15
Methyl Acetate
Concen: 2.568 ug/L m
RT: 4.49 min Scan# 452
Delta R.T. 0.01 min
Lab File: VY000686.D
Acq: 14 Nov 2019 21:11

Instrument :
MSVOA_Y
ClientSampled :
MDL7

Tot Ion: 43 Resp: 4414
Ion Ratio Lower Upper
43 100
74 18.0 19.1 28.7#

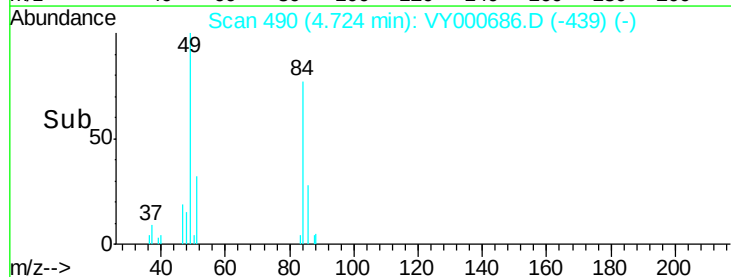
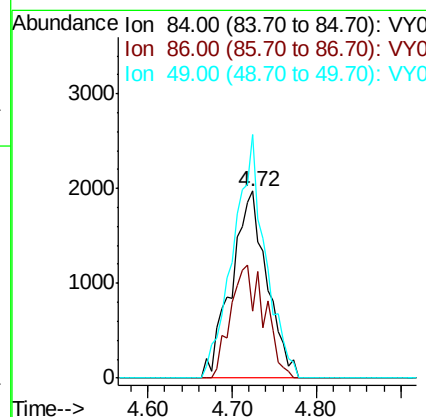
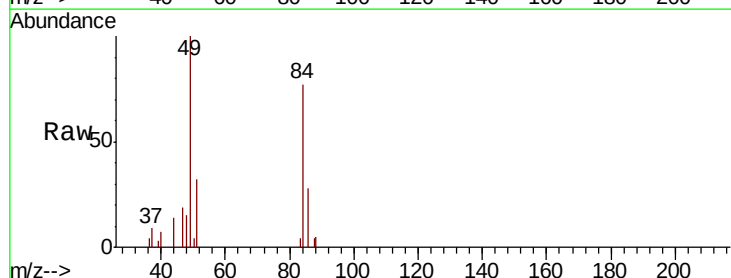
Manual Integrations
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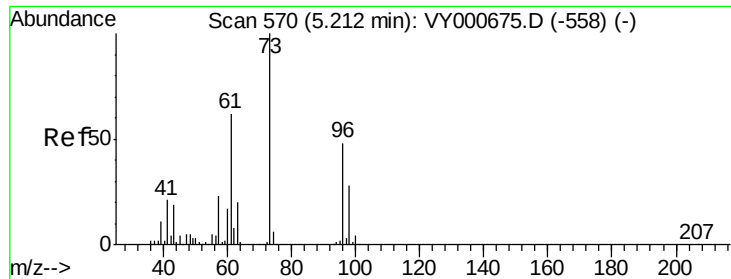
MMDadoda
11/15/2019 3:05:26 PM



#16
Methylene chloride
Concen: 2.823 ug/L m
RT: 4.72 min Scan# 490
Delta R.T. 0.01 min
Lab File: VY000686.D
Acq: 14 Nov 2019 21:11

Tgt Ion: 84 Resp: 5808
Ion Ratio Lower Upper
84 100
86 35.8 45.9 85.3#
49 130.0 86.1 159.9





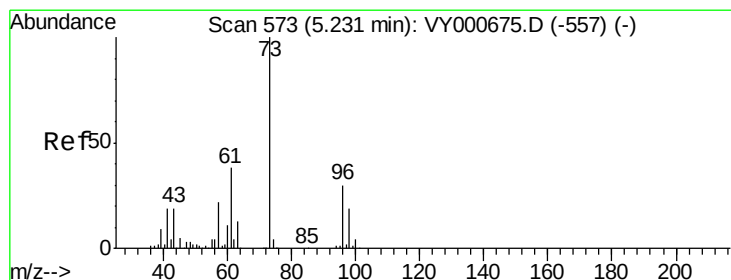
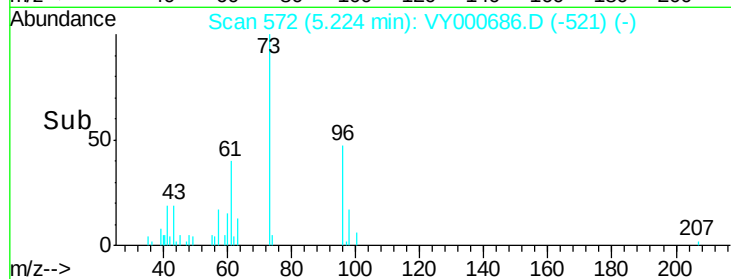
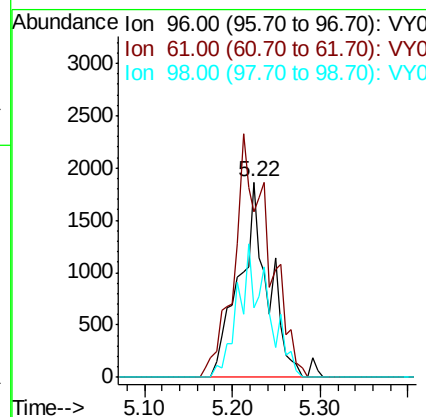
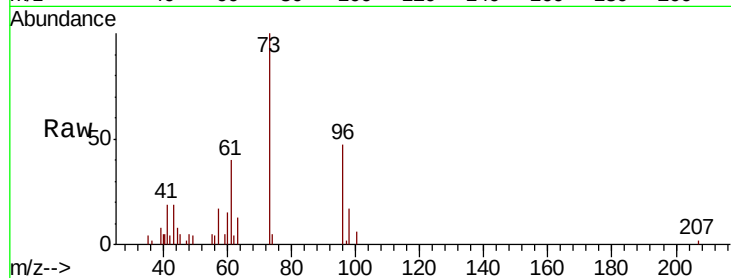
#17
trans-1,2-Dichloroethene
Concen: 2.169 ug/L m
RT: 5.22 min Scan# 572
Delta R.T. 0.01 min
Lab File: VY000686.D
Acq: 14 Nov 2019 21:11

Instrument :
MSVOA_Y
ClientSampleId :
MDL7

Tot Ion	Ratio	Lower	Upper
96	100		
61	84.9	90.8	168.6#
98	35.5	41.0	76.2#

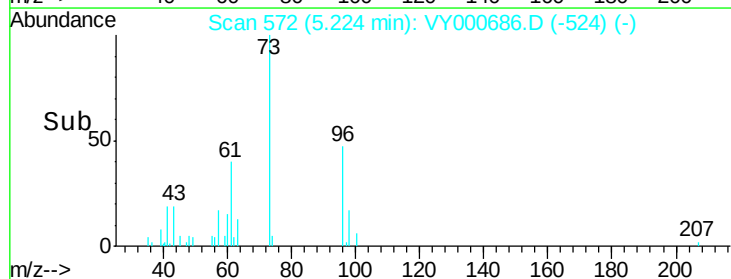
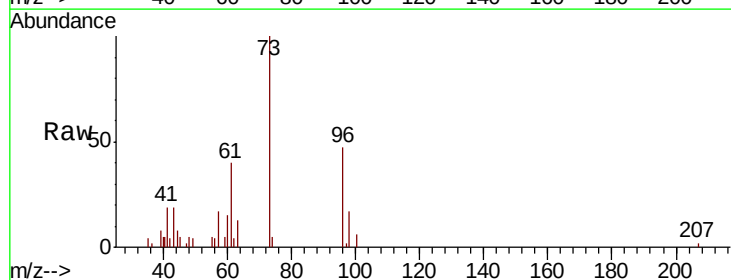
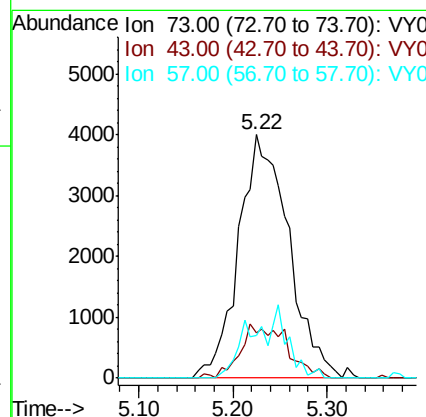
Manual Integrations
APPROVED

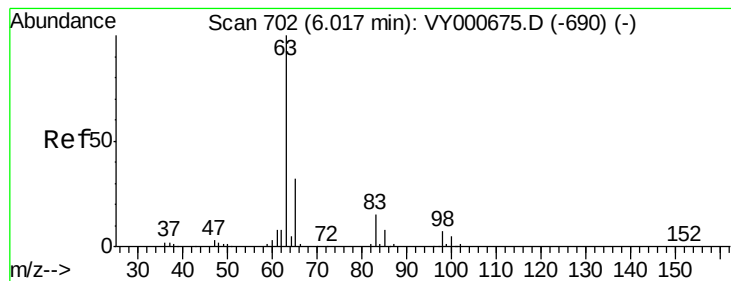
MMDadoda
11/15/2019 3:05:26 PM



#18
Methyl tert-butyl Ether
Concen: 2.445 ug/L
RT: 5.22 min Scan# 572
Delta R.T. -0.01 min
Lab File: VY000686.D
Acq: 14 Nov 2019 21:11

Tgt Ion	Ratio	Lower	Upper
73	100		
43	15.2	15.5	23.3#
57	5.1	17.7	26.5#





#19

1,1-Dichloroethane

Concen: 2.412 ug/L m

RT: 6.02 min Scan# 703

Delta R.T. 0.01 min

Lab File: VY000686.D

Acq: 14 Nov 2019 21:11

Instrument :

MSVOA_Y

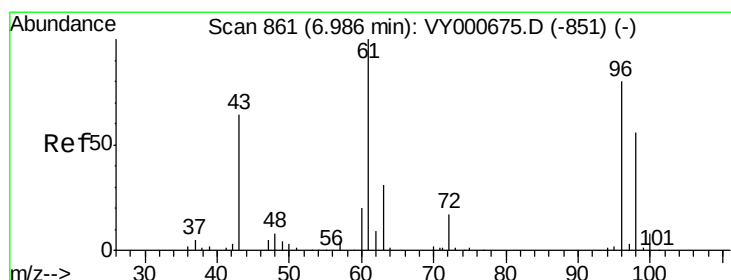
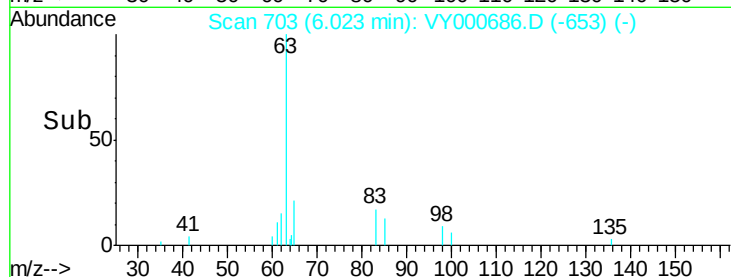
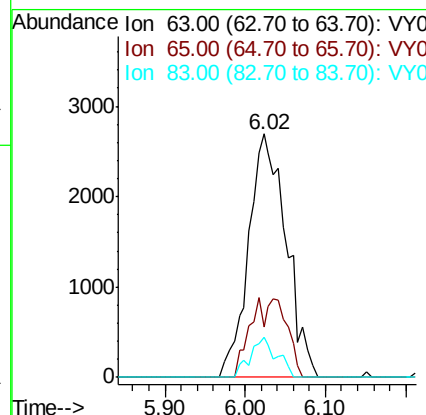
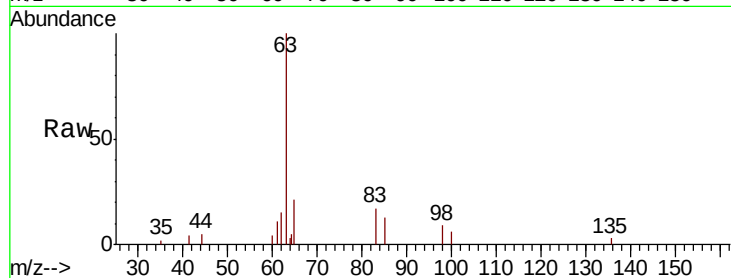
ClientSampled :

MDL7

Tot Ion:	63	Resp:	8711
Ion Ratio	Lower	Upper	
63	100		
65	20.6	22.7	42.1#
83	16.6	10.5	19.5

Manual Integrations
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MMDadoda
11/15/2019 3:05:26 PM



#20

cis-1,2-Dichloroethene

Concen: 2.456 ug/L

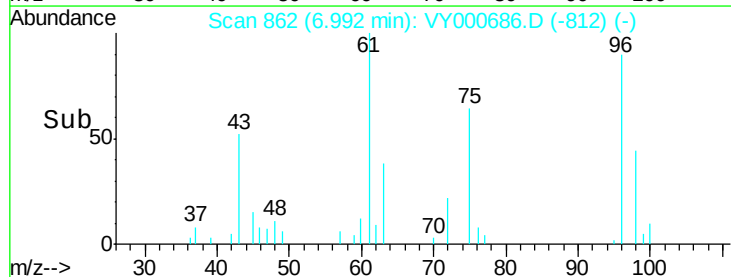
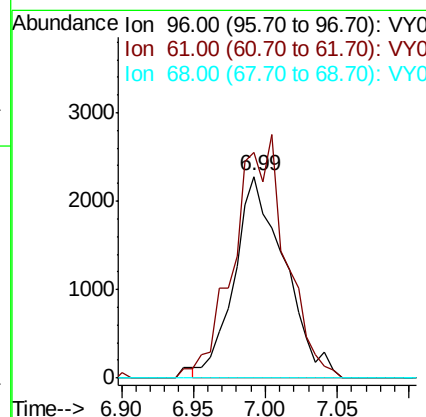
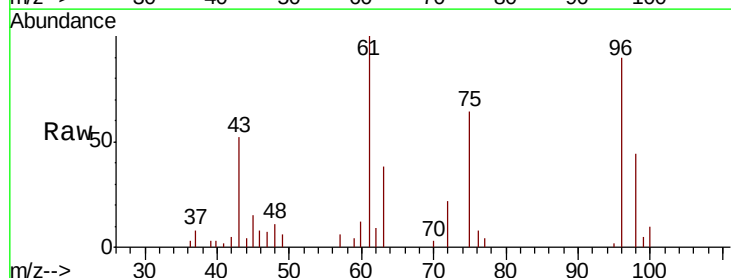
RT: 6.99 min Scan# 862

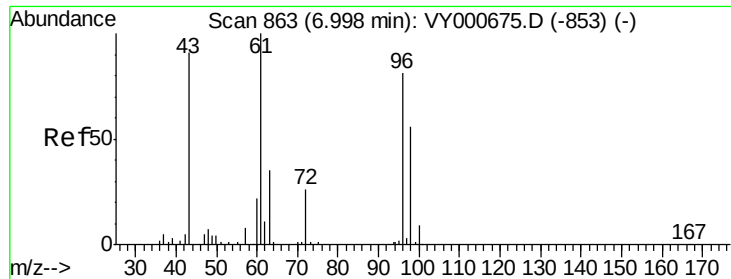
Delta R.T. 0.01 min

Lab File: VY000686.D

Acq: 14 Nov 2019 21:11

Tgt Ion:	96	Resp:	5532
Ion Ratio	Lower	Upper	
96	100		
61	111.5	87.2	162.0
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 5.423 ug/L

RT: 7.00 min Scan# 864

Delta R.T. 0.01 min

Lab File: VY000686.D

Acq: 14 Nov 2019 21:11

Instrument :

MSVOA_Y

ClientSampled :

MDL7

Tot Ion: 43 Resp: 5836

Ion Ratio Lower Upper

43 100

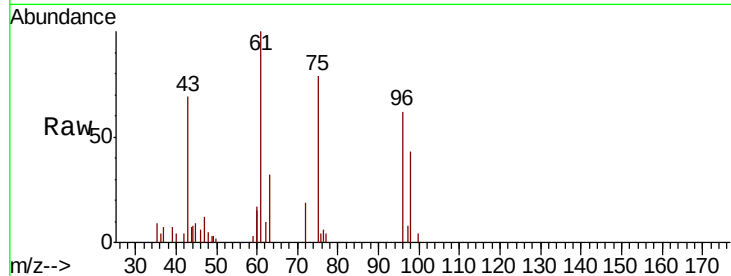
72 16.0 13.7 41.1

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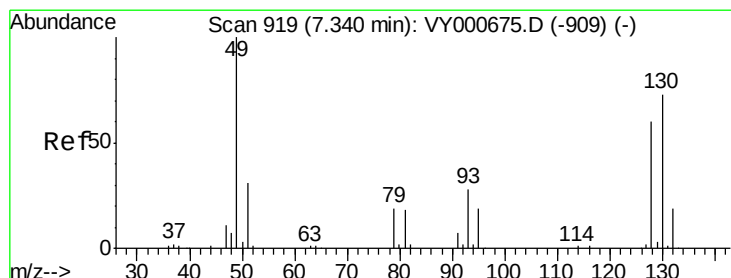
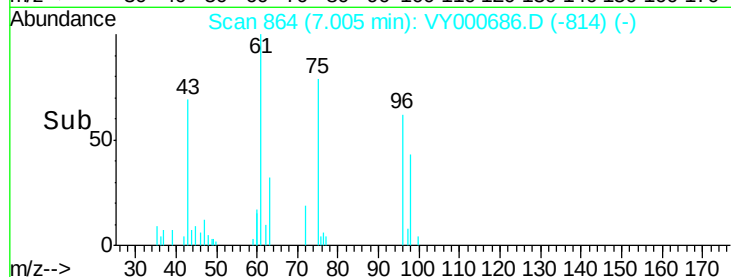
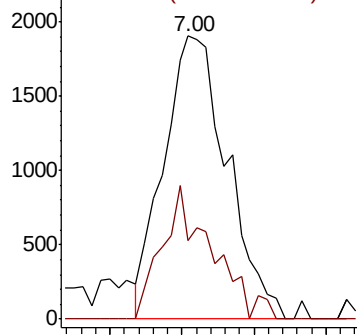
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#23

Bromochloromethane

Concen: 2.535 ug/L

RT: 7.35 min Scan# 920

Delta R.T. 0.01 min

Lab File: VY000686.D

Acq: 14 Nov 2019 21:11

Tgt Ion:128 Resp: 2632

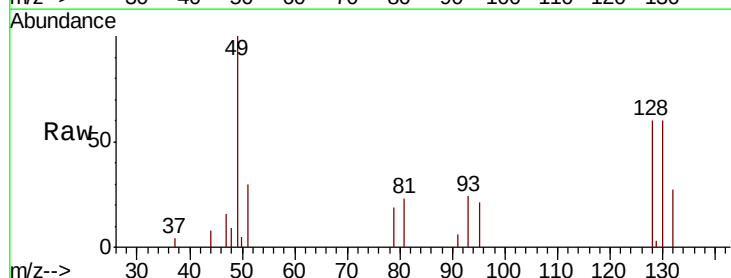
Ion Ratio Lower Upper

128 100

49 168.0 116.6 216.5

130 100.5 85.4 158.6

51 51.1 41.1 61.7

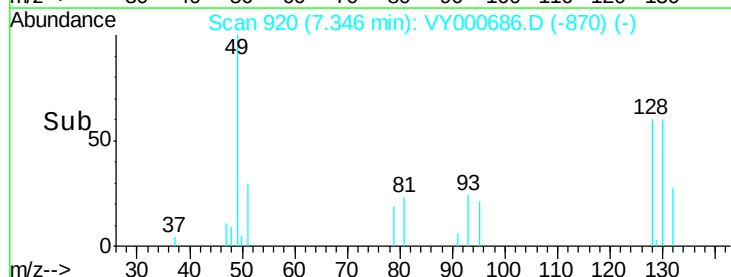
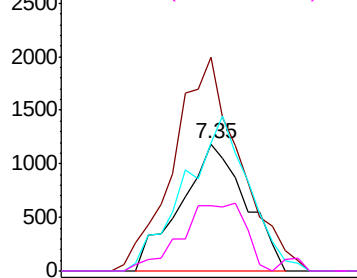


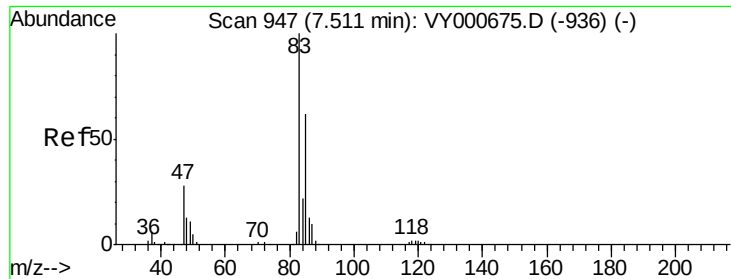
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VY0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VY0





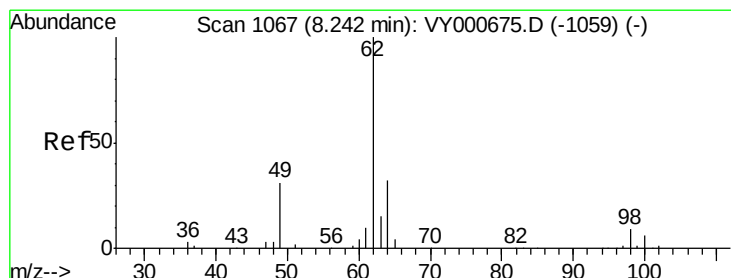
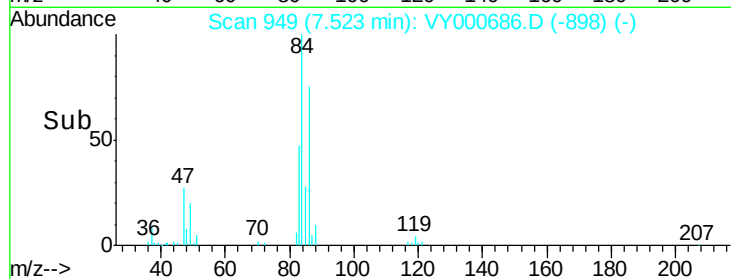
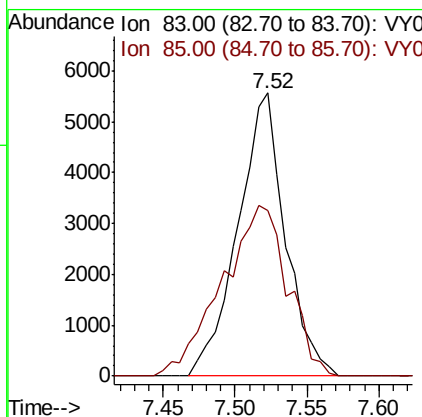
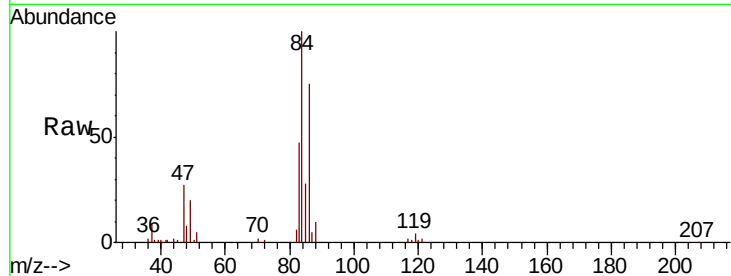
#25
Chloroform
Concen: 3.074 ug/L
RT: 7.52 min Scan# 949
Delta R.T. 0.01 min
Lab File: VY000686.D
Acq: 14 Nov 2019 21:11

Instrument :
MSVOA_Y
ClientSampleId :
MDL7

Tot Ion	83	85	Resp	Lower	Upper
12711	100	58.7		43.1	80.1

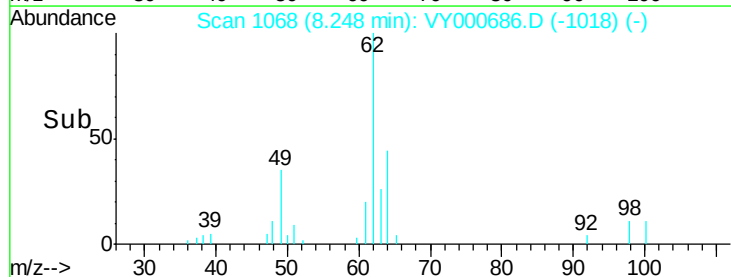
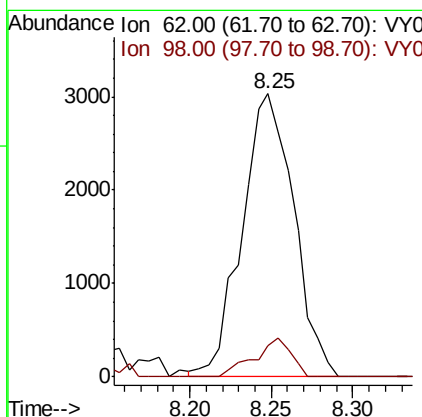
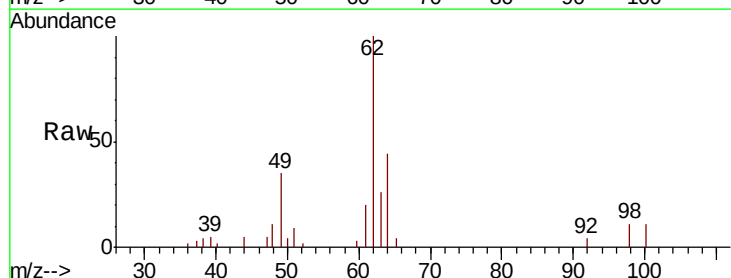
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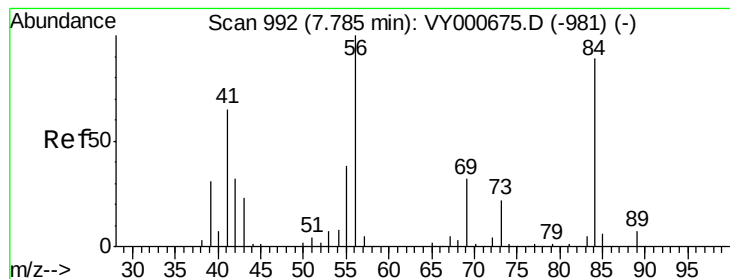
MMDadoda
11/15/2019 3:05:26 PM



#27
1,2-Dichloroethane
Concen: 2.379 ug/L
RT: 8.25 min Scan# 1068
Delta R.T. 0.01 min
Lab File: VY000686.D
Acq: 14 Nov 2019 21:11

Tgt Ion	62	98	Resp	Lower	Upper
6717	100	11.1		7.1	10.7#





#29

Cyclohexane

Concen: 1.512 ug/L

RT: 7.78 min Scan# 992

Delta R.T. -0.00 min

Lab File: VY000686.D

Acq: 14 Nov 2019 21:11

Instrument :

MSVOA_Y

ClientSampled :

MDL7

Tot Ion: 56 Resp: 4837

Ion Ratio Lower Upper

56 100

69 31.7 24.4 36.6

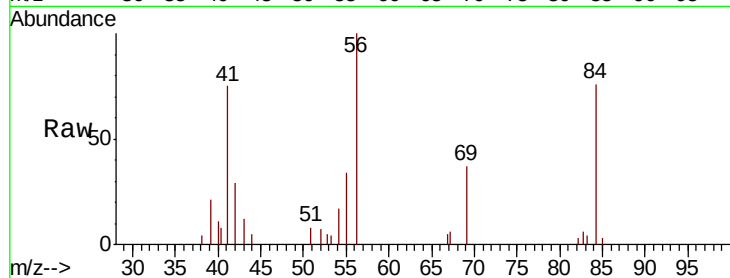
84 61.7 71.4 107.2#

Manual Integrations

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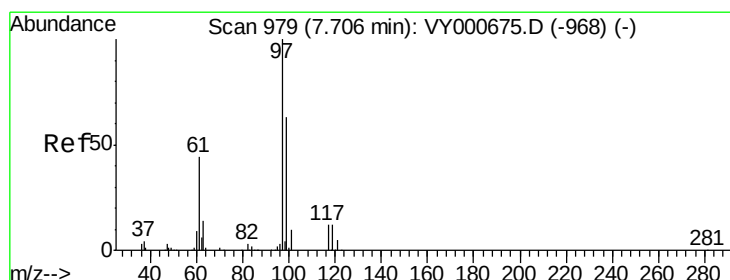
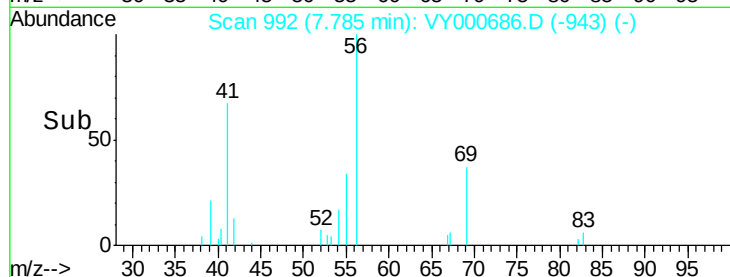
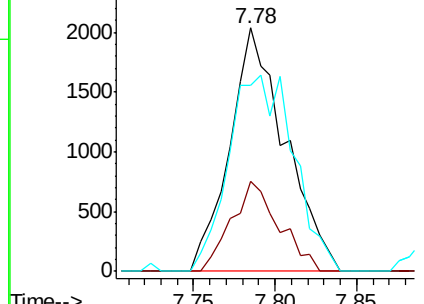
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Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0



#30

1,1,1-Trichloroethane

Concen: 2.188 ug/L

RT: 7.71 min Scan# 980

Delta R.T. 0.01 min

Lab File: VY000686.D

Acq: 14 Nov 2019 21:11

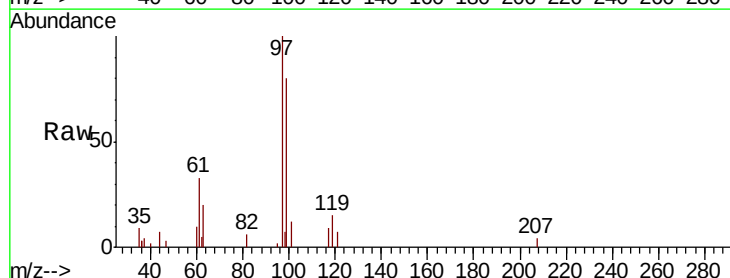
Tgt Ion: 97 Resp: 6551

Ion Ratio Lower Upper

97 100

99 70.4 52.2 78.2

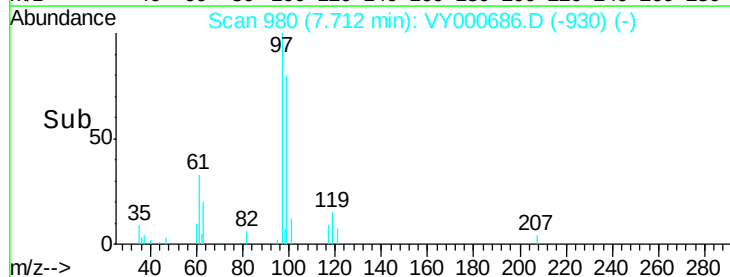
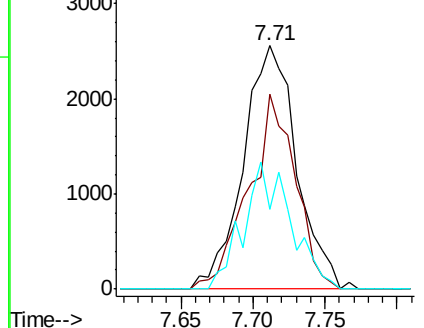
61 26.4 35.0 52.4#

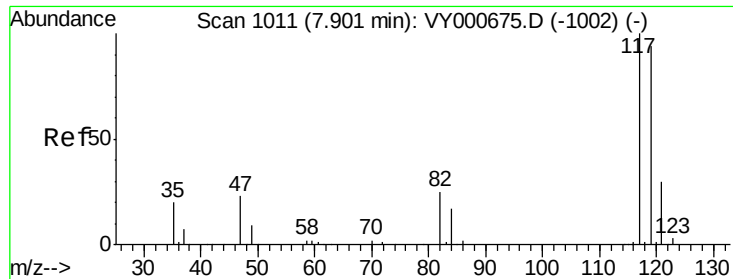


Abundance Ion 97.00 (96.70 to 97.70): VY0

Ion 99.00 (98.70 to 99.70): VY0

Ion 61.05 (60.75 to 61.75): VY0





#31

Carbon tetrachloride

Concen: 1.806 ug/L

RT: 7.91 min Scan# 1013

Delta R.T. 0.01 min

Lab File: VY000686.D

Acq: 14 Nov 2019 21:11

Instrument :

MSVOA_Y

ClientSampleId :

MDL7

Tot Ion:117 Resp: 4842

Ion Ratio Lower Upper

117 100

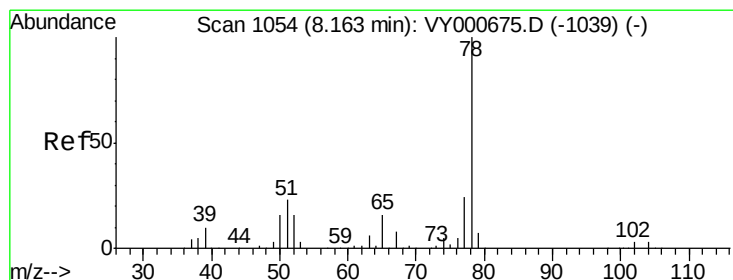
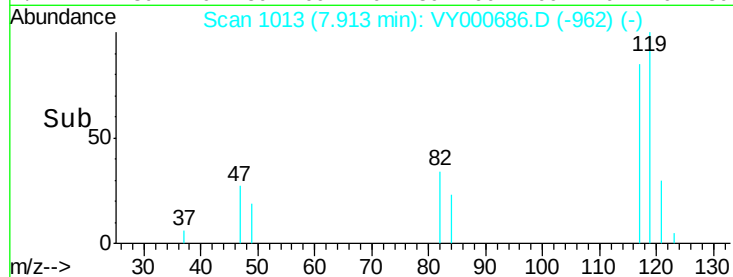
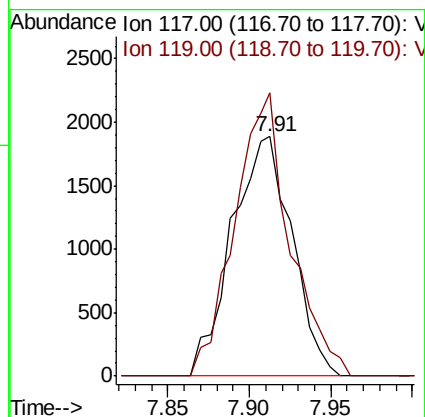
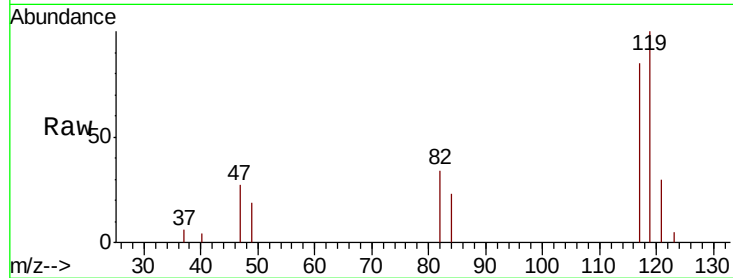
119 108.7 75.5 113.3

Manual Integrations

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#33

Benzene

Concen: 2.069 ug/L

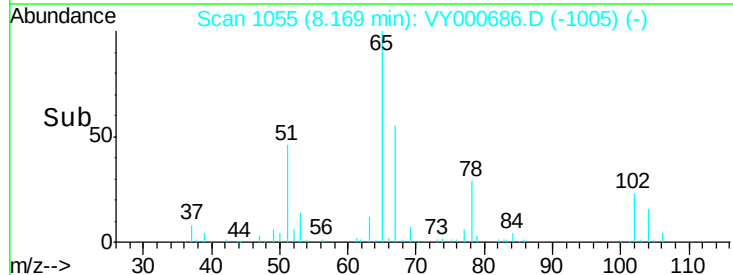
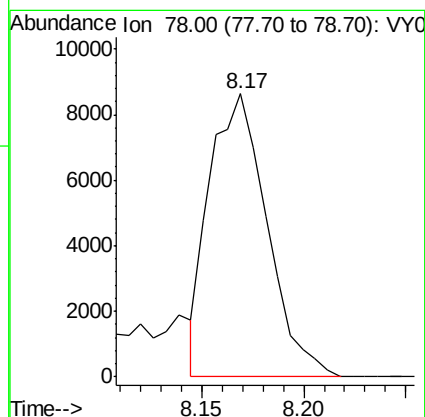
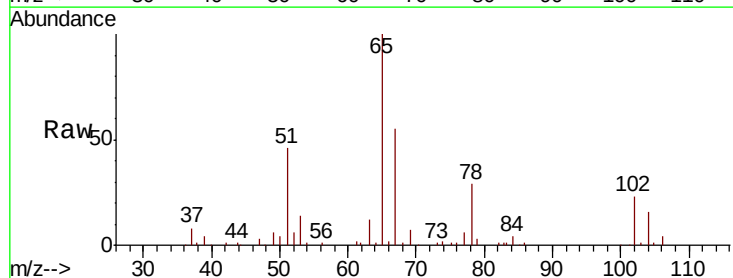
RT: 8.17 min Scan# 1055

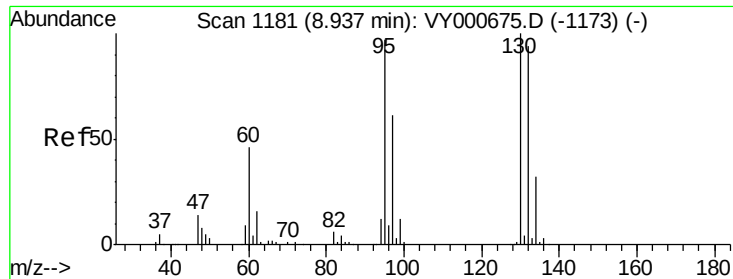
Delta R.T. 0.01 min

Lab File: VY000686.D

Acq: 14 Nov 2019 21:11

Tgt Ion: 78 Resp: 16893





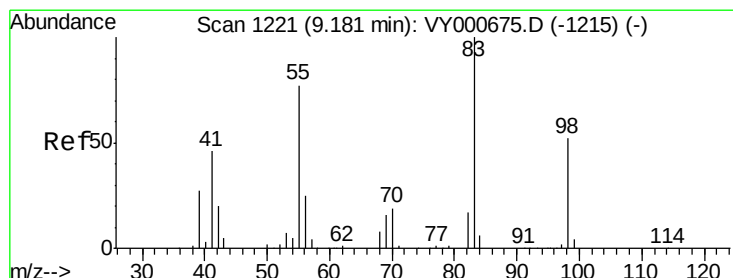
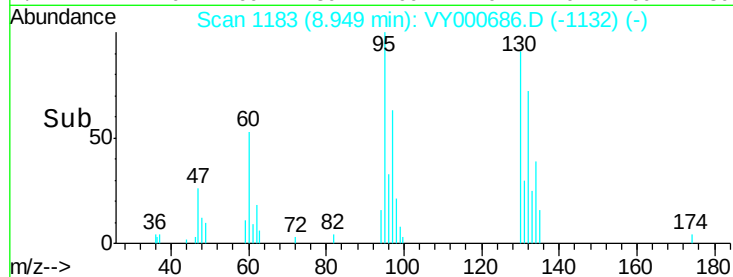
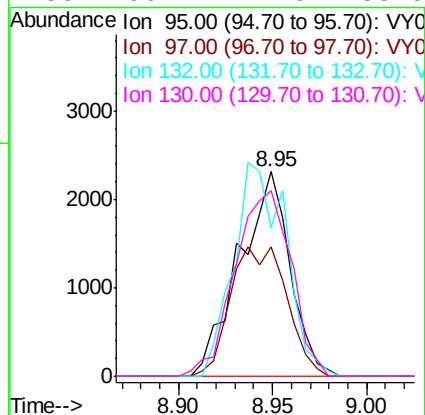
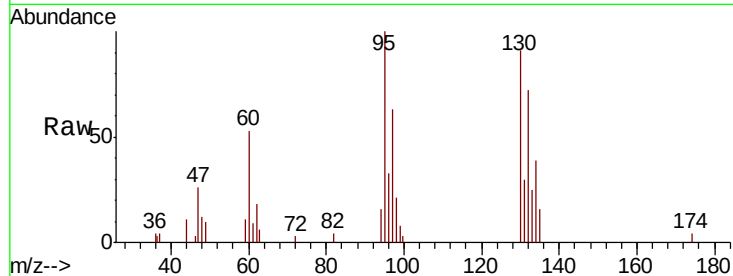
#34
 Trichloroethene
 Concen: 2.107 ug/L
 RT: 8.95 min Scan# 1183
 Delta R.T. 0.01 min
 Lab File: VY000686.D
 Acq: 14 Nov 2019 21:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL7

Tot Ion:	95	Resp:	4320
Ion	Ratio	Lower	Upper
95	100		
97	63.2	43.8	81.3
132	72.4	67.8	126.0
130	90.7	71.9	133.5

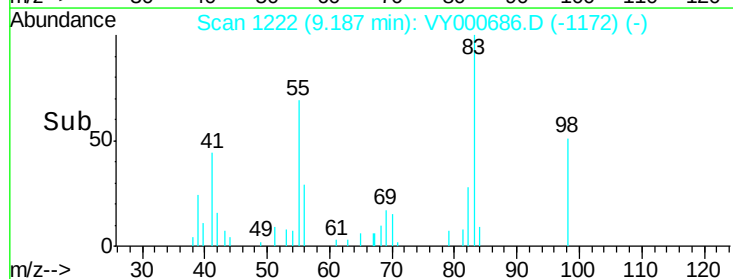
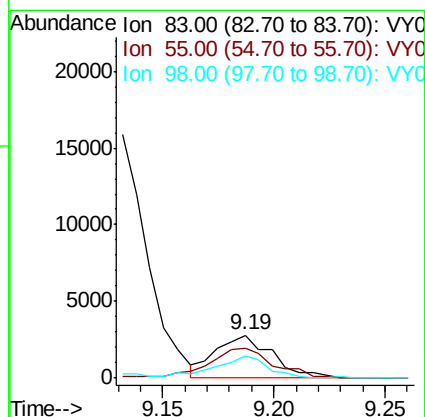
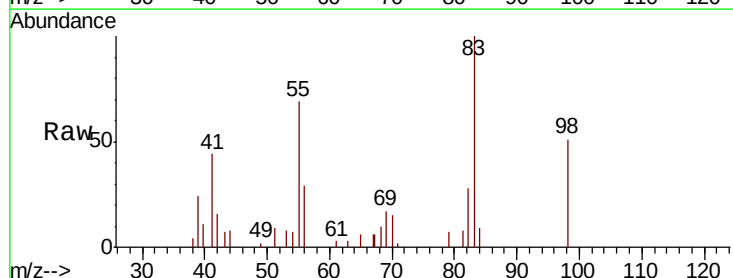
Manual Integrations
 APPROVED

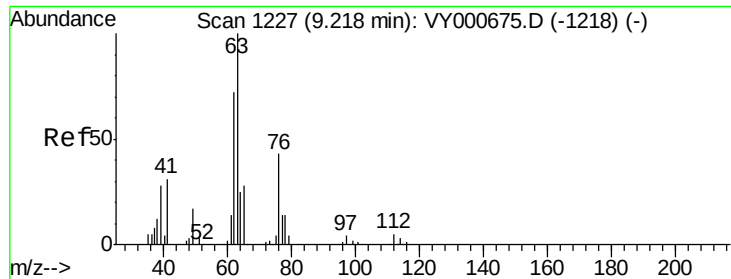
MMDadoda
 11/15/2019 3:05:26 PM



#35
 Methylcyclohexane
 Concen: 1.465 ug/L
 RT: 9.19 min Scan# 1222
 Delta R.T. 0.01 min
 Lab File: VY000686.D
 Acq: 14 Nov 2019 21:11

Tgt Ion:	83	Resp:	4958
Ion	Ratio	Lower	Upper
83	100		
55	77.2	60.4	90.6
98	48.5	40.3	60.5





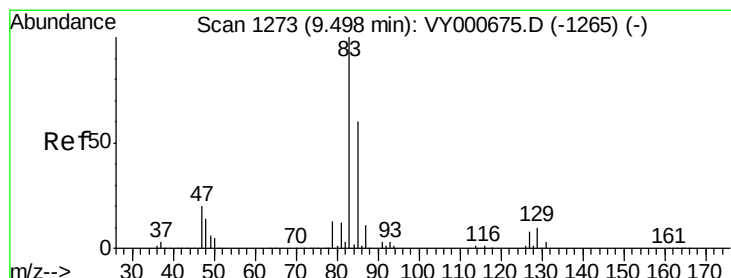
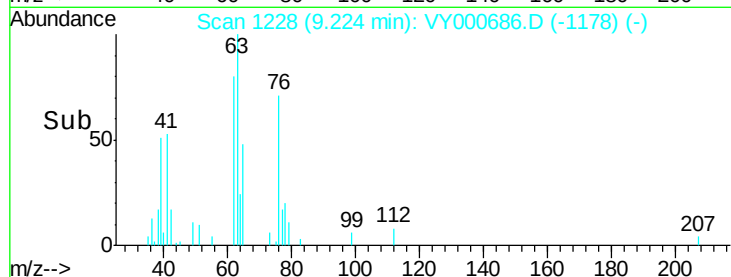
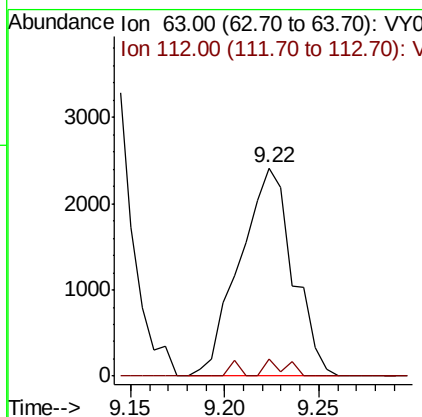
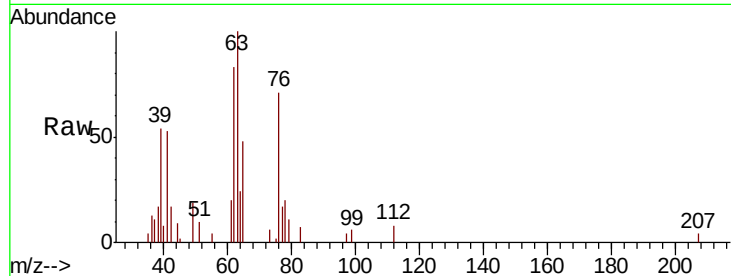
#37
 1,2-Dichloropropane
 Concen: 2.347 ug/L
 RT: 9.22 min Scan# 1228
 Delta R.T. 0.01 min
 Lab File: VY000686.D
 Acq: 14 Nov 2019 21:11

Instrument :
 MSVOA_Y
 ClientSampled :
 MDL7

Tot Ion: 63 Resp: 4754
 Ion Ratio Lower Upper
 63 100
 112 3.2 3.8 5.6#

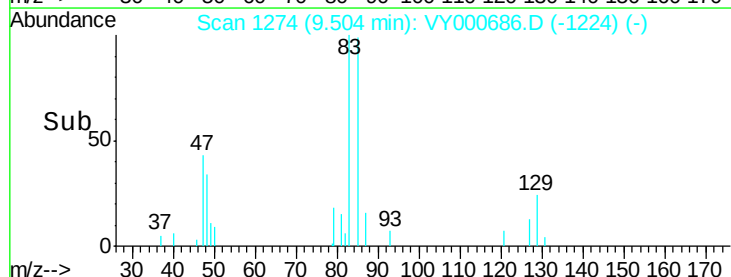
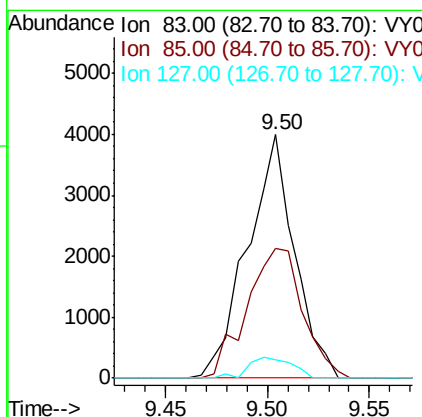
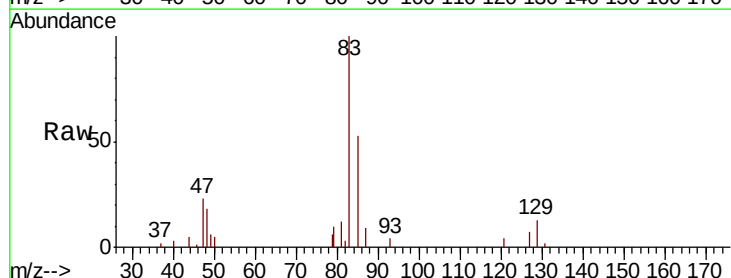
Manual Integrations
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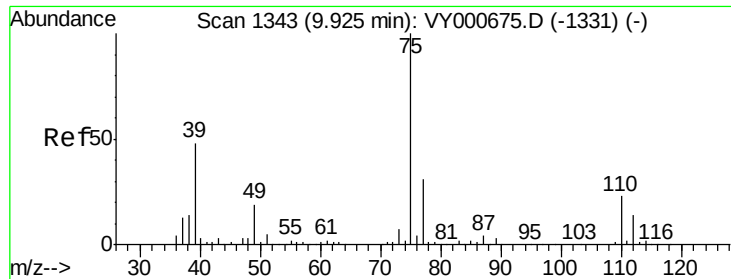
MMDadoda
 11/15/2019 3:05:26 PM



#38
 Bromodichloromethane
 Concen: 2.358 ug/L
 RT: 9.50 min Scan# 1274
 Delta R.T. 0.01 min
 Lab File: VY000686.D
 Acq: 14 Nov 2019 21:11

Tgt Ion: 83 Resp: 6416
 Ion Ratio Lower Upper
 83 100
 85 53.4 42.2 78.4
 127 7.3 6.4 9.6





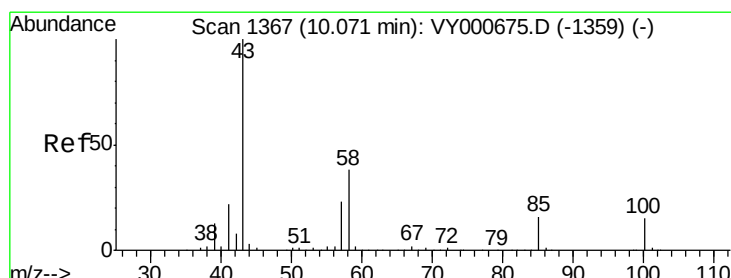
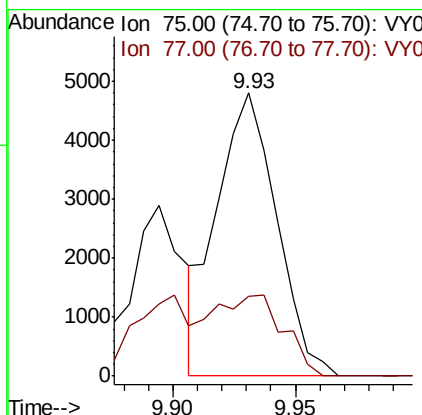
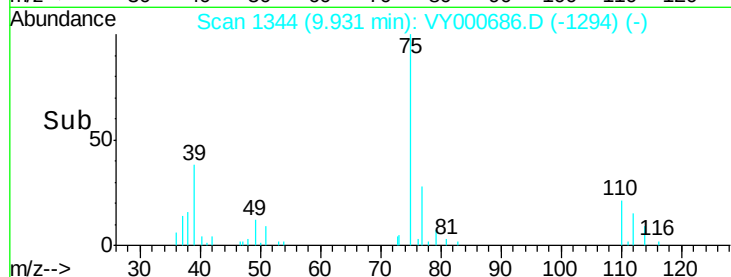
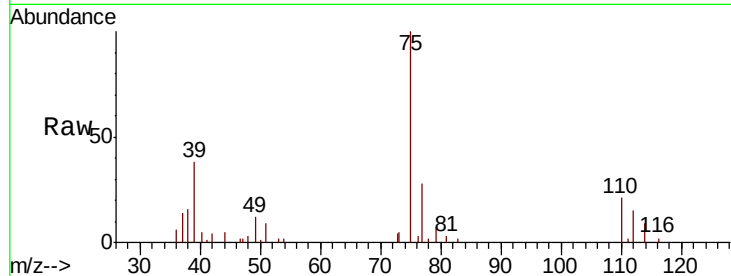
#39
 cis-1,3-Dichloropropene
 Concen: 2.363 ug/L
 RT: 9.93 min Scan# 1344
 Delta R.T. 0.01 min
 Lab File: VY000686.D
 Acq: 14 Nov 2019 21:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL7

Tot Ion: 75 Resp: 8131
 Ion Ratio Lower Upper
 75 100
 77 28.1 21.7 40.3

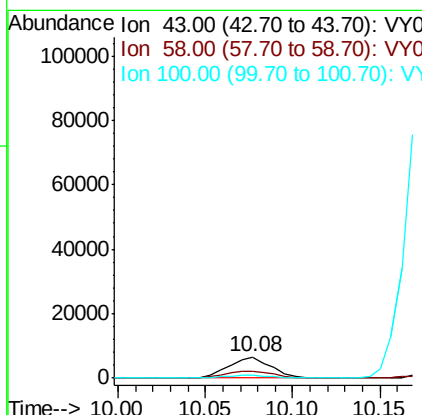
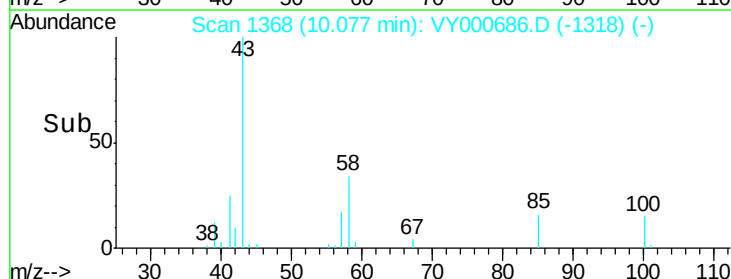
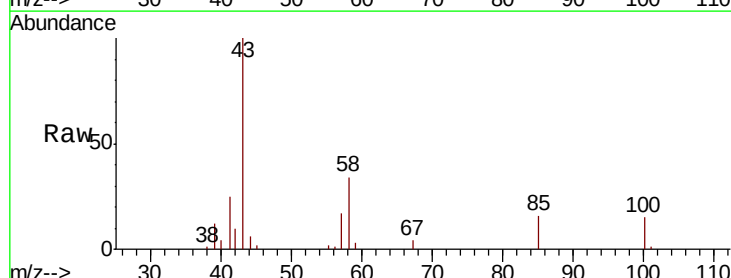
Manual Integrations
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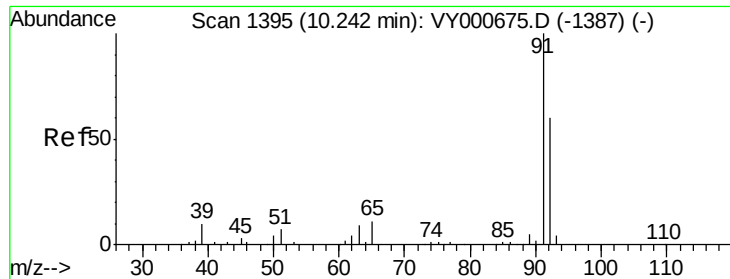
MMDadoda
 11/15/2019 3:05:26 PM



#40
 4-Methyl-2-pentanone
 Concen: 4.698 ug/L
 RT: 10.08 min Scan# 1368
 Delta R.T. 0.01 min
 Lab File: VY000686.D
 Acq: 14 Nov 2019 21:11

Tgt Ion: 43 Resp: 10915
 Ion Ratio Lower Upper
 43 100
 58 37.9 30.2 45.2
 100 13.7 12.2 18.2





#42

Toluene

Concen: 2.149 ug/L

RT: 10.24 min Scan# 1395

Delta R.T. -0.00 min

Lab File: VY000686.D

Acq: 14 Nov 2019 21:11

Instrument :

MSVOA_Y

ClientSampleId :

MDL7

Tot Ion: 91 Resp: 18574

Ion Ratio Lower Upper

91 100

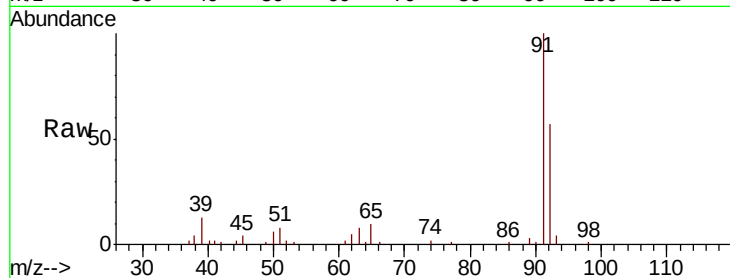
92 57.5 42.2 78.4

Manual Integrations

APPROVED

MMDadoda

11/15/2019 3:05:26 PM



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 92.00 (91.70 to 92.70): VY0

12000

10000

8000

6000

4000

2000

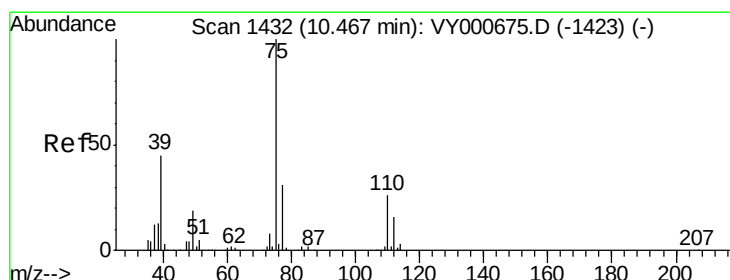
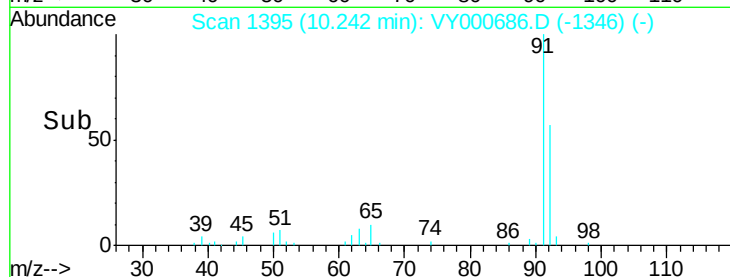
0

10.20

10.25

10.30

Time-->



#44

trans-1,3-Dichloropropene

Concen: 3.437 ug/L

RT: 10.46 min Scan# 1431

Delta R.T. -0.01 min

Lab File: VY000686.D

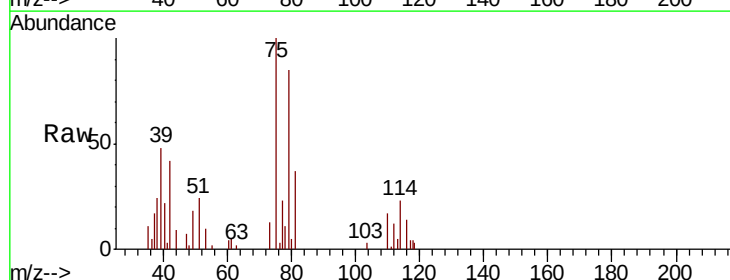
Acq: 14 Nov 2019 21:11

Tgt Ion: 75 Resp: 10357

Ion Ratio Lower Upper

75 100

77 23.3 22.0 41.0



Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 77.00 (76.70 to 77.70): VY0

5000

4000

3000

2000

1000

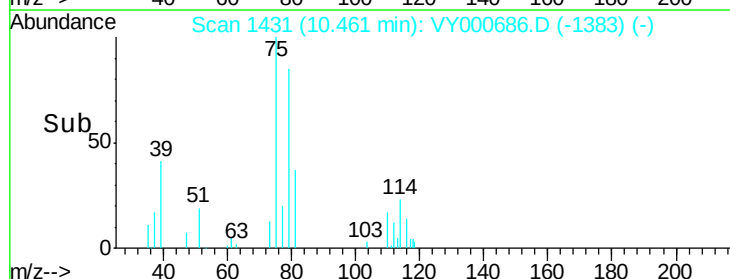
0

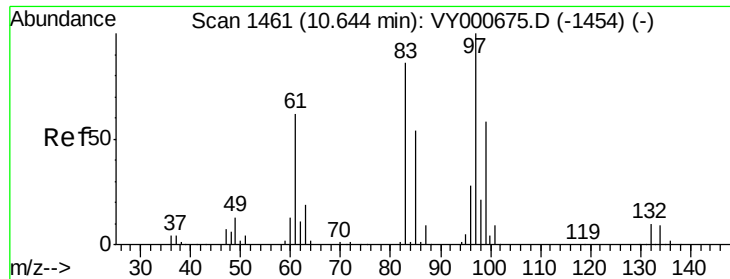
10.40

10.45

10.50

Time-->





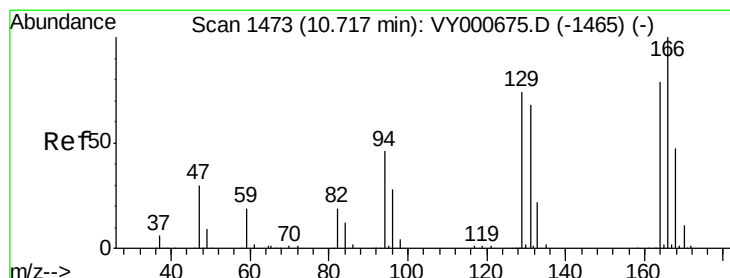
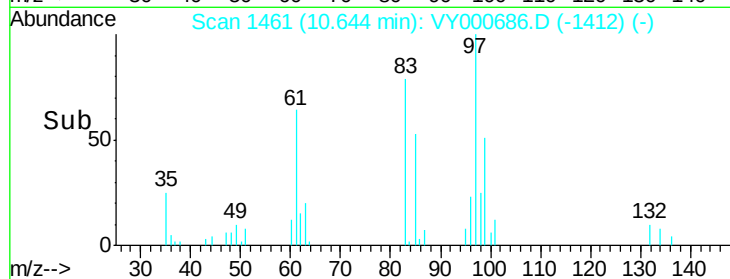
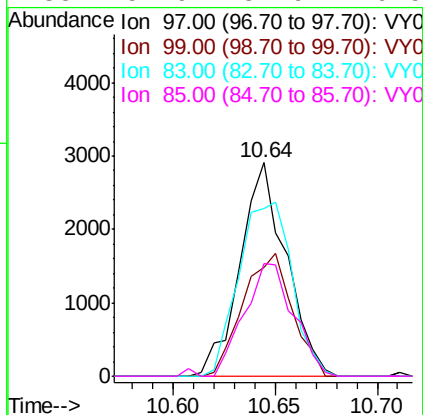
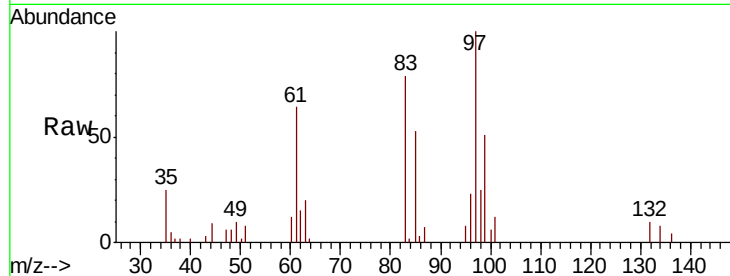
#45
1,1,2-Trichloroethane
Concen: 2.382 ug/L
RT: 10.64 min Scan# 1461
Delta R.T. -0.00 min
Lab File: VY000686.D
Acq: 14 Nov 2019 21:11

Instrument :
MSVOA_Y
ClientSampled :
MDL7

Tot Ion:	97	Resp:	4576
Ion	Ratio	Lower	Upper
97	100		
99	50.9	40.6	75.4
83	78.5	60.0	111.4
85	52.9	37.9	70.5

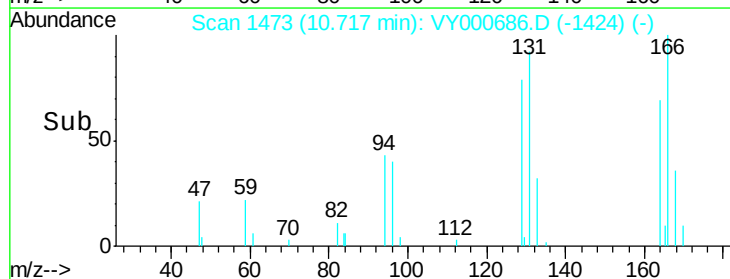
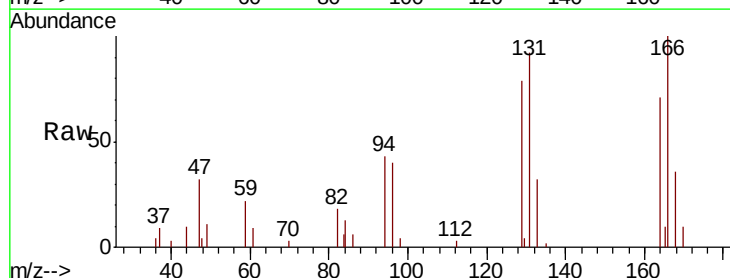
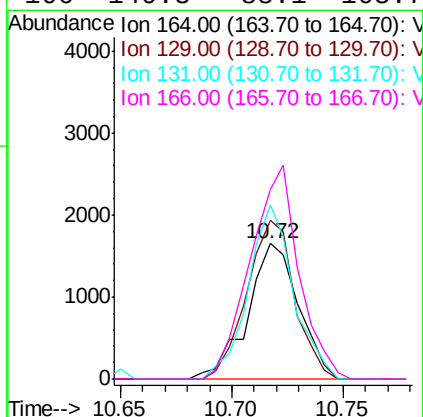
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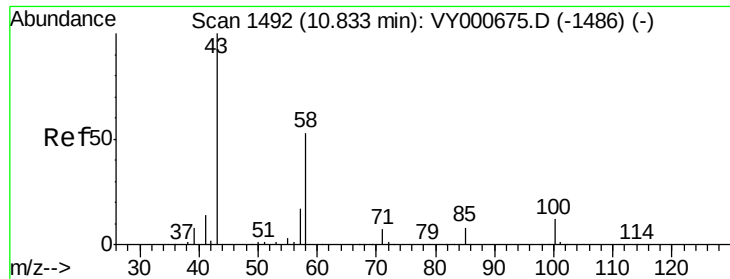
MMDadoda
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#46
Tetrachloroethene
Concen: 1.661 ug/L
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY000686.D
Acq: 14 Nov 2019 21:11

Tgt Ion:	164	Resp:	2635
Ion	Ratio	Lower	Upper
164	100		
129	117.4	65.5	121.7
131	128.6	60.1	111.7#
166	140.3	88.1	163.7





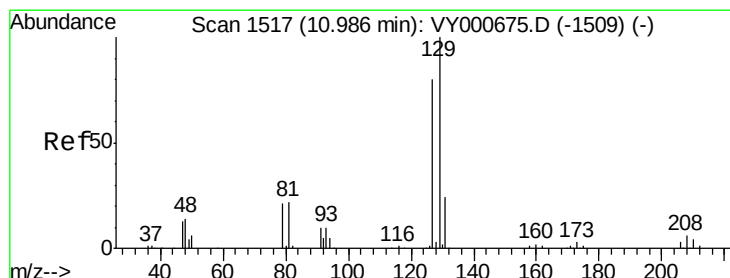
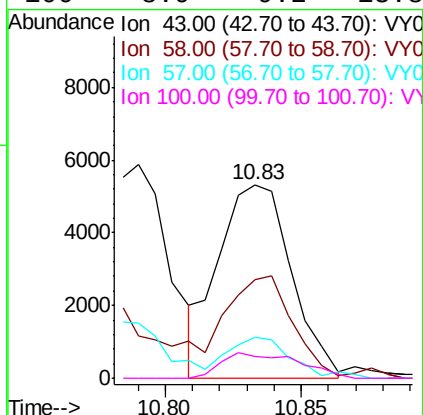
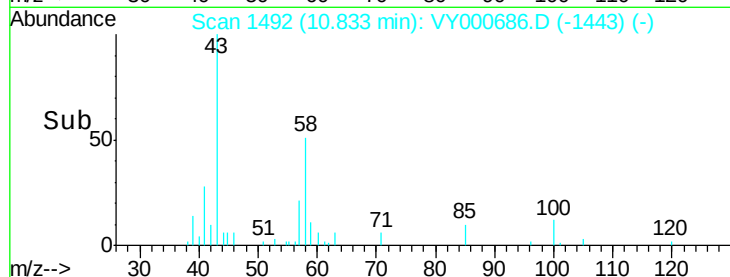
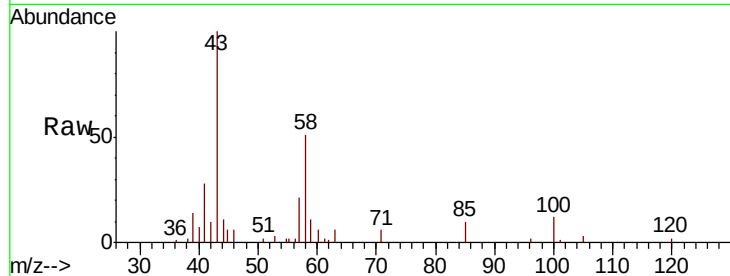
#48
2-Hexanone
Concen: 5.915 ug/L
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY000686.D
Acq: 14 Nov 2019 21:11

Instrument :
MSVOA_Y
ClientSampleId :
MDL7

Tot Ion: 43 Resp: 9922
Ion Ratio Lower Upper
43 100
58 46.5 42.3 63.5
57 17.5 13.8 20.6
100 8.9 9.2 13.8#

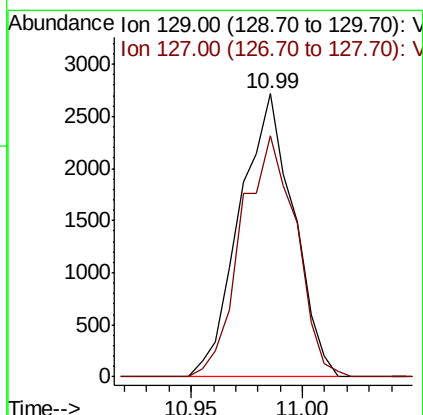
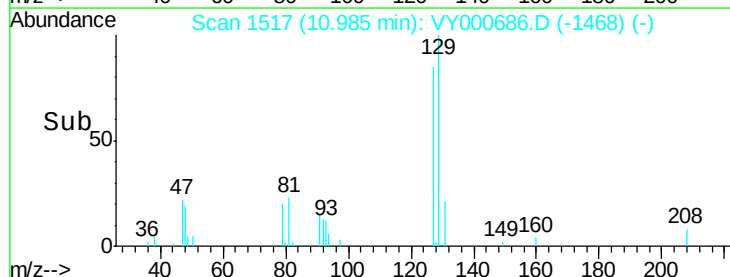
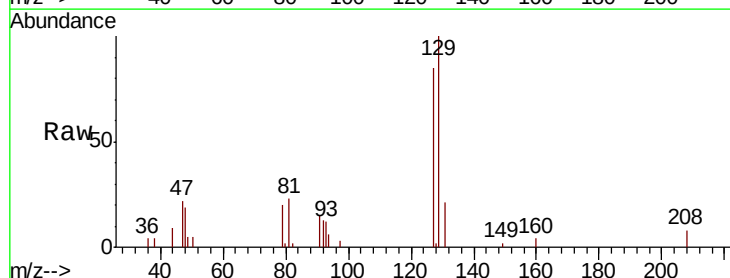
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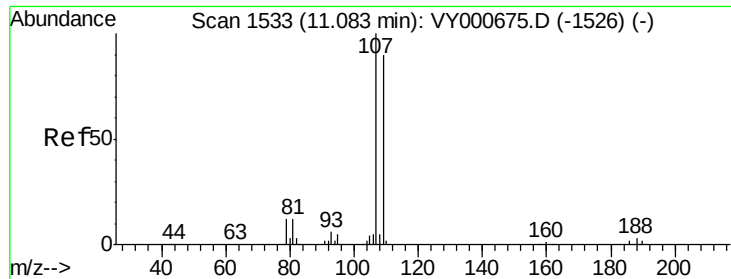
MMDadoda
11/15/2019 3:05:26 PM



#49
Dibromochloromethane
Concen: 2.202 ug/L
RT: 10.99 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY000686.D
Acq: 14 Nov 2019 21:11

Tgt Ion: 129 Resp: 4582
Ion Ratio Lower Upper
129 100
127 85.0 55.9 103.7





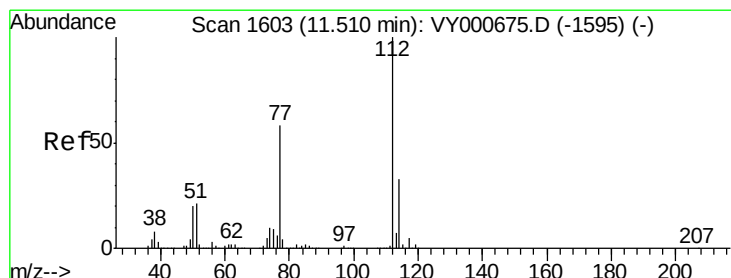
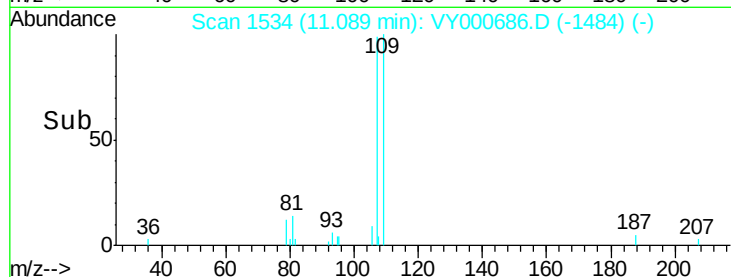
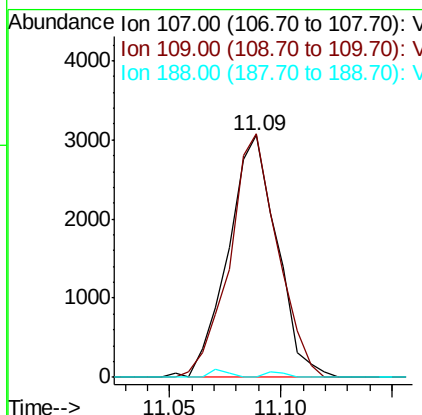
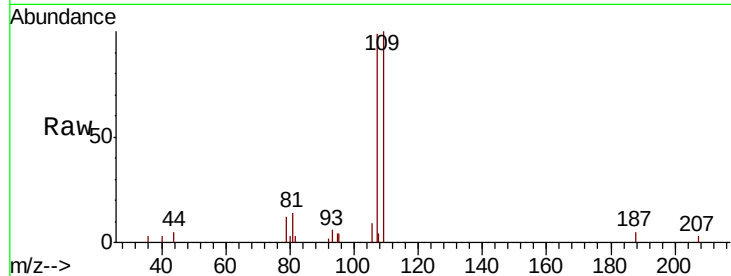
#50
1,2-Dibromoethane
Concen: 2.420 ug/L
RT: 11.09 min Scan# 1534
Delta R.T. 0.01 min
Lab File: VY000686.D
Acq: 14 Nov 2019 21:11

Instrument :
MSVOA_Y
ClientSampleId :
MDL7

Tot Ion	Ratio	Resp	Lower	Upper
107	100	4654		
109	100.6	62.9	116.9	
188	0.0	2.4	3.6	

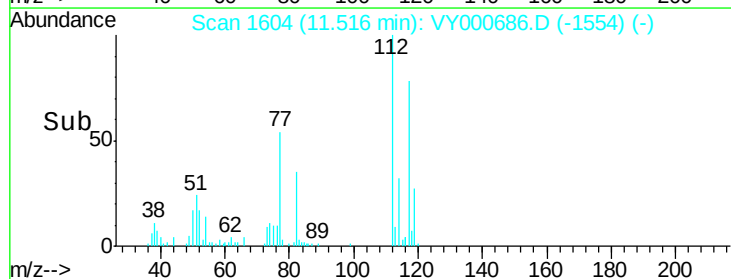
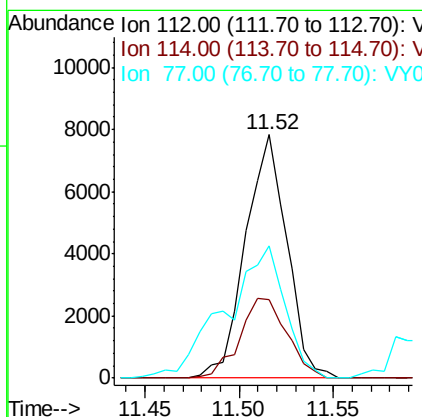
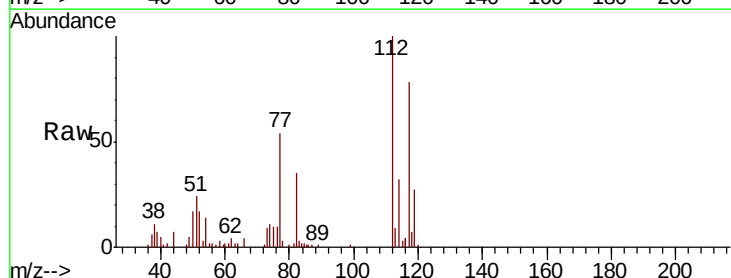
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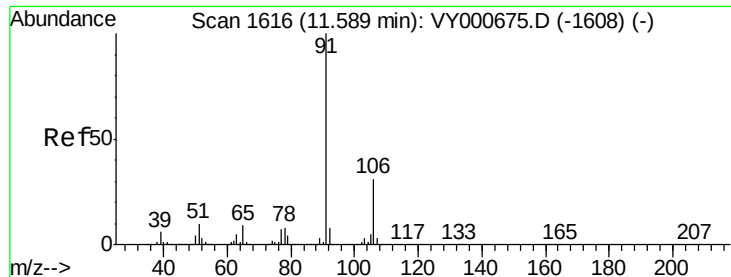
MMDadoda
11/15/2019 3:05:26 PM



#51
Chlorobenzene
Concen: 2.149 ug/L
RT: 11.52 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VY000686.D
Acq: 14 Nov 2019 21:11

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	11964		
114	32.3	23.3	43.3	
77	54.1	46.5	69.7	





#52

Ethylbenzene

Concen: 1.827 ug/L

RT: 11.59 min Scan# 1616

Delta R.T. -0.00 min

Lab File: VY000686.D

Acq: 14 Nov 2019 21:11

Instrument :

MSVOA_Y

ClientSampleId :

MDL7

Tot Ion: 91 Resp: 18020

Ion Ratio Lower Upper

91 100

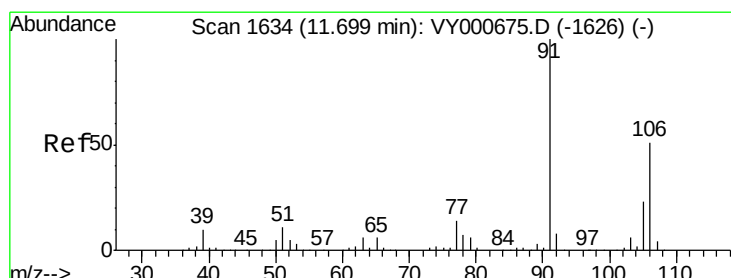
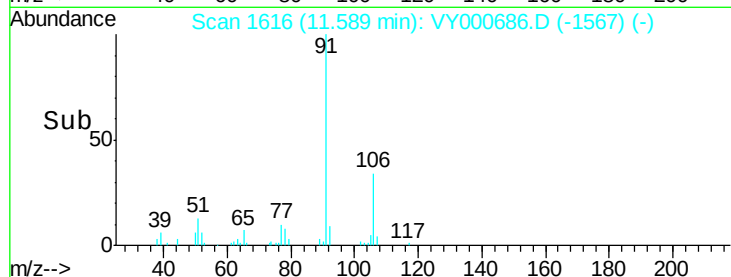
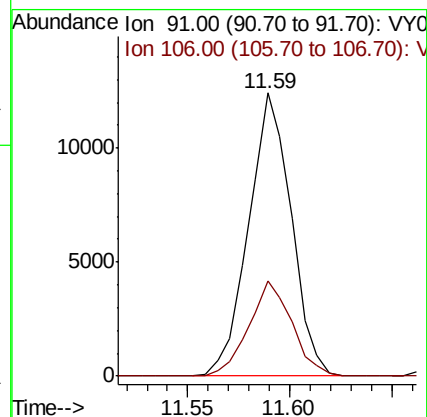
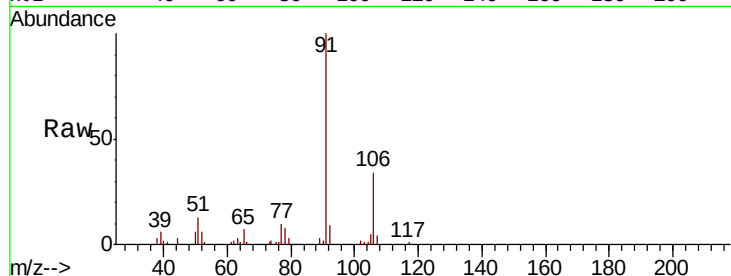
106 33.8 21.8 40.6

Manual Integrations

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11/15/2019 3:05:26 PM



#53

m,p-Xylene

Concen: 1.972 ug/L

RT: 11.70 min Scan# 1634

Delta R.T. -0.00 min

Lab File: VY000686.D

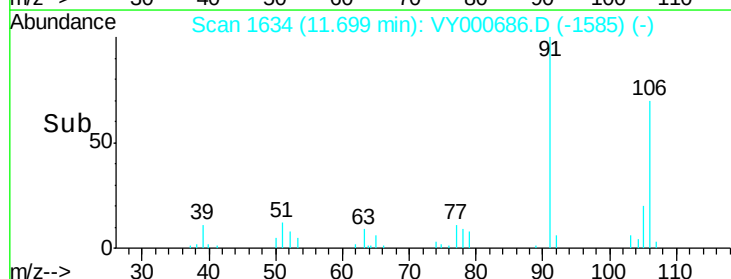
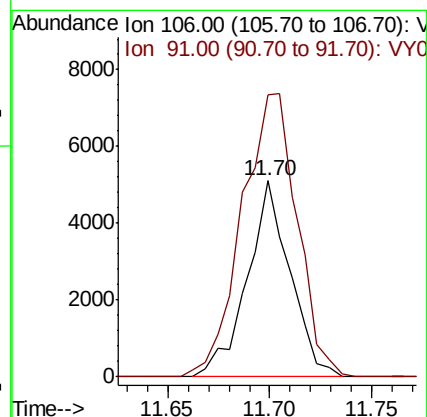
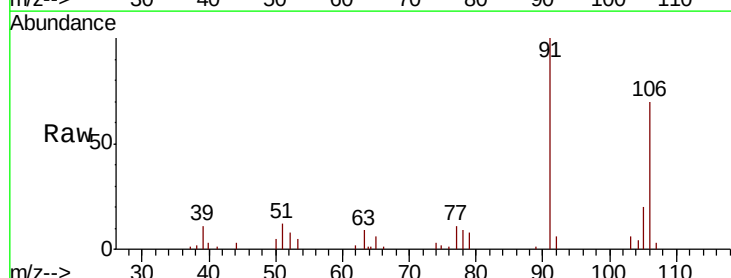
Acq: 14 Nov 2019 21:11

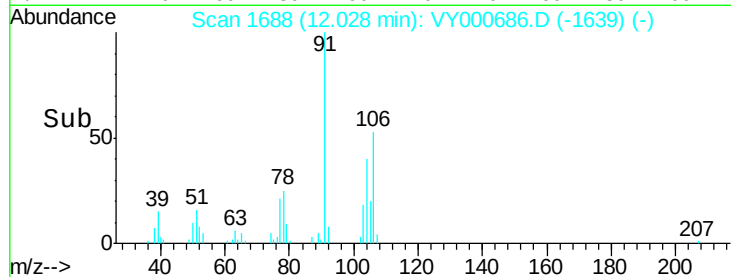
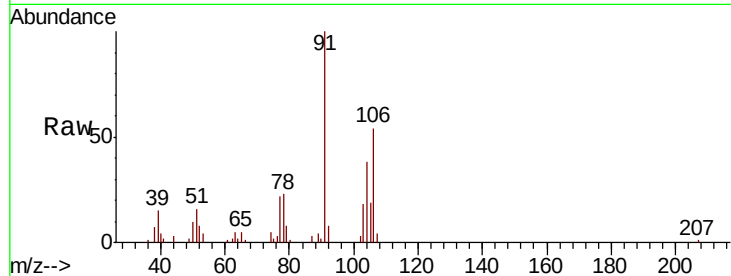
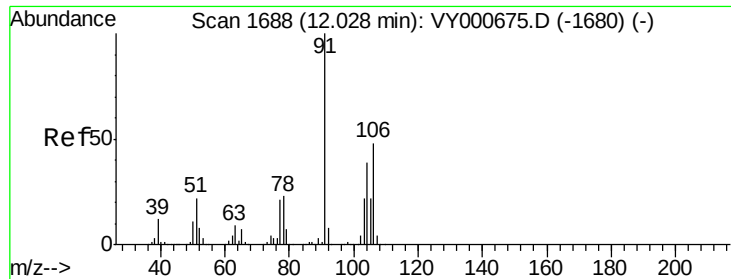
Tgt Ion: 106 Resp: 7479

Ion Ratio Lower Upper

106 100

91 143.8 137.6 255.6





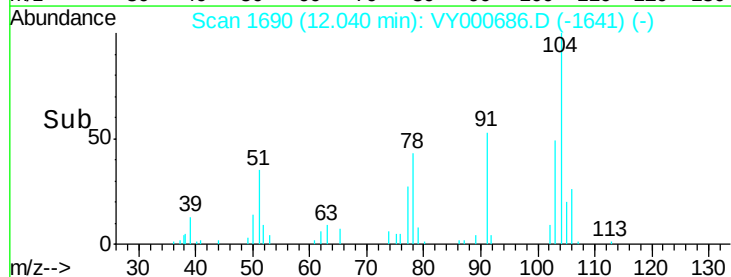
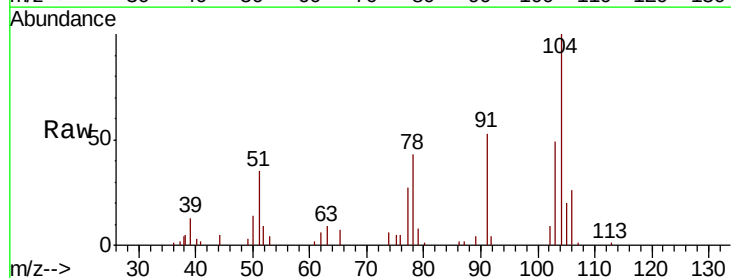
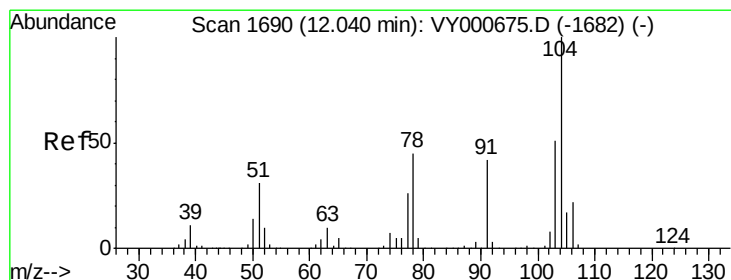
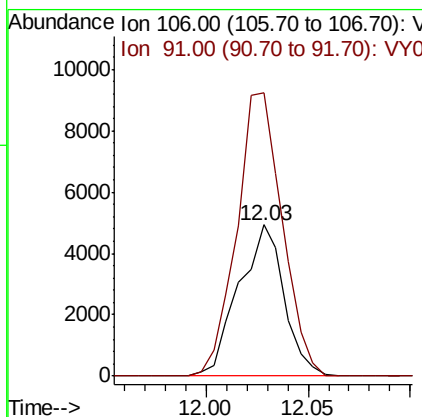
#54
o-xylene
Concen: 2.059 ug/L
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY000686.D
Acq: 14 Nov 2019 21:11

Tot Ion:106 Resp: 7658
Ion Ratio Lower Upper
106 100
91 186.9 145.9 270.9

Instrument :
MSVOA_Y
ClientSampled :
MDL7

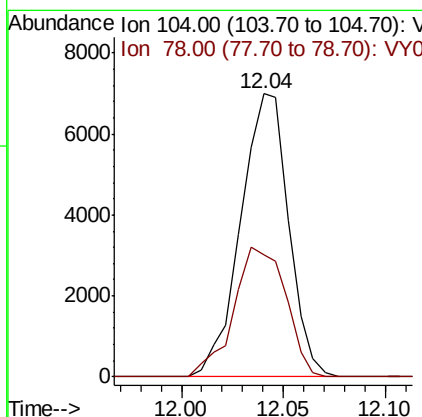
Manual Integrations
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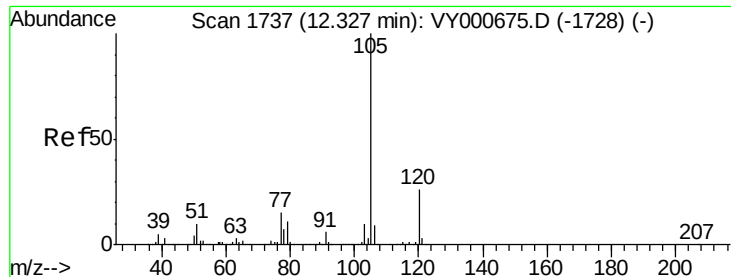
MMDadoda
11/15/2019 3:05:26 PM



#55
Styrene
Concen: 1.812 ug/L
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY000686.D
Acq: 14 Nov 2019 21:11

Tgt Ion:104 Resp: 11447
Ion Ratio Lower Upper
104 100
78 42.9 31.4 58.4





#56

Isopropylbenzene

Concen: 1.655 ug/L

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY000686.D

Acq: 14 Nov 2019 21:11

Instrument :

MSVOA_Y

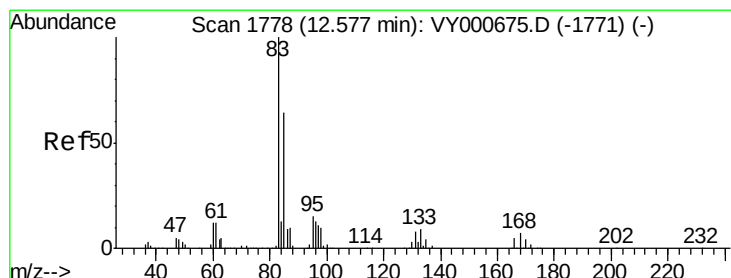
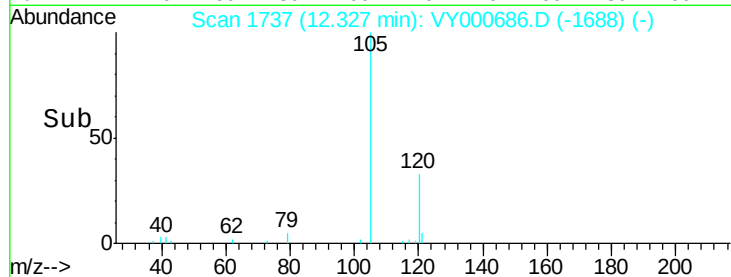
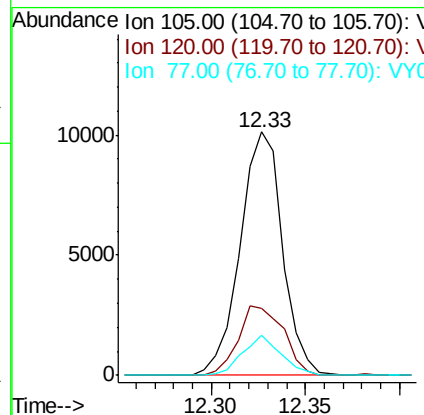
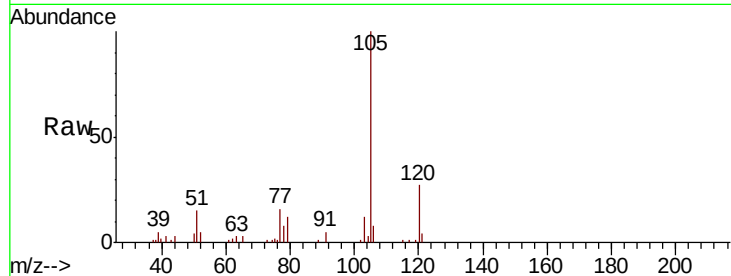
ClientSampleId :

MDL7

Tot Ion:	105	Resp:	15753
Ion Ratio	Lower	Upper	
105	100		
120	30.3	21.4	32.2
77	14.8	12.9	19.3

Manual Integrations
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11/15/2019 3:05:26 PM



#58

1,1,2,2-Tetrachloroethane

Concen: 2.766 ug/L

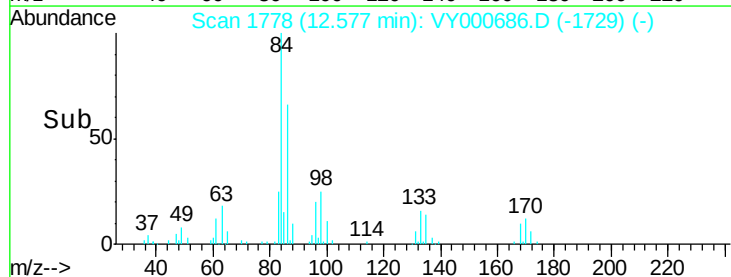
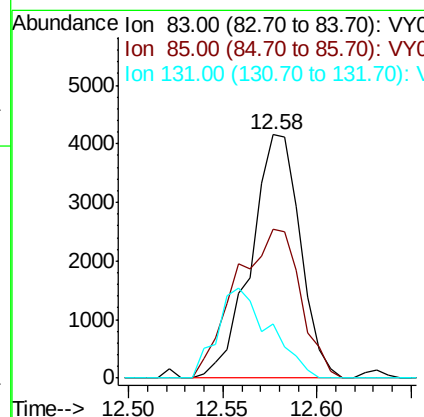
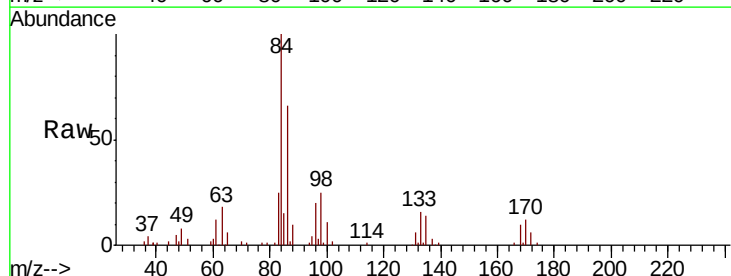
RT: 12.58 min Scan# 1778

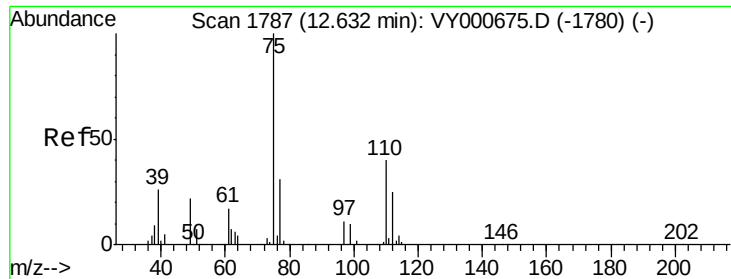
Delta R.T. -0.00 min

Lab File: VY000686.D

Acq: 14 Nov 2019 21:11

Tgt Ion:	83	Resp:	7519
Ion Ratio	Lower	Upper	
83	100		
85	61.2	45.0	83.6
131	22.2	6.6	9.8#





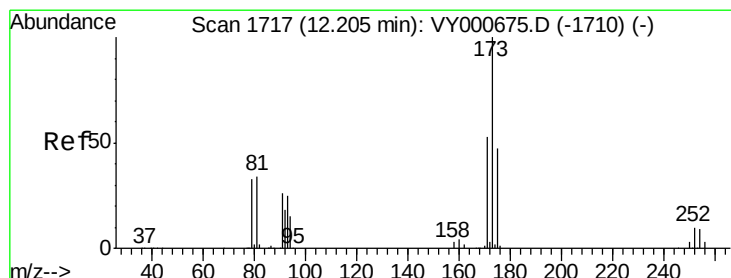
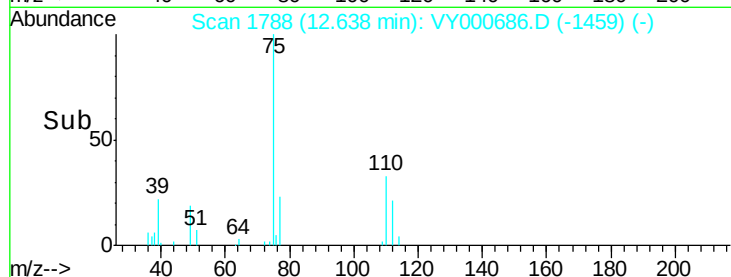
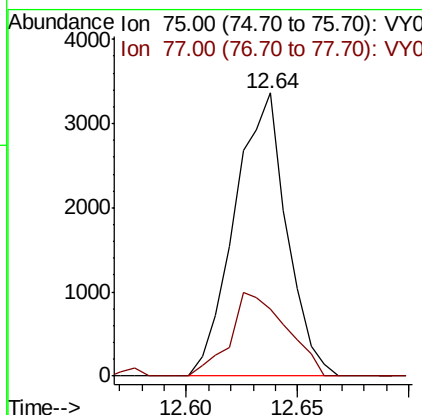
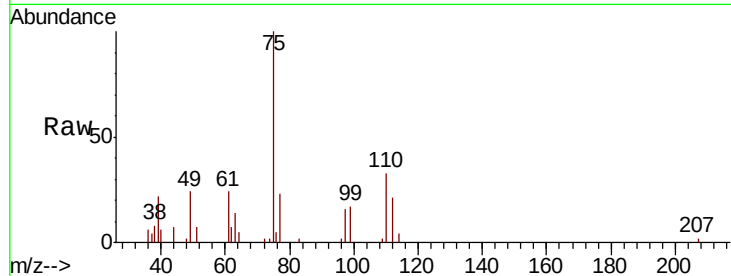
#59
 1,2,3-Trichloropropane
 Concen: 2.547 ug/L
 RT: 12.64 min Scan# 1788
 Delta R.T. 0.01 min
 Lab File: VY000686.D
 Acq: 14 Nov 2019 21:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL7

Tot Ion: 75 Resp: 5478
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.5 38.3

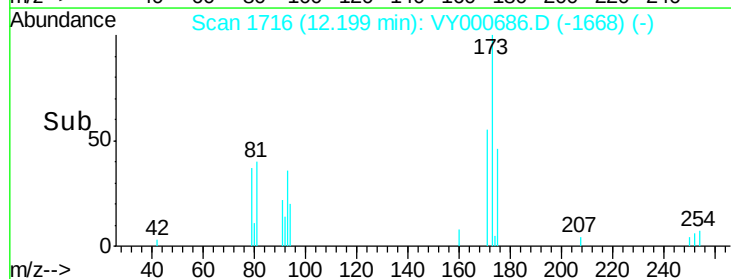
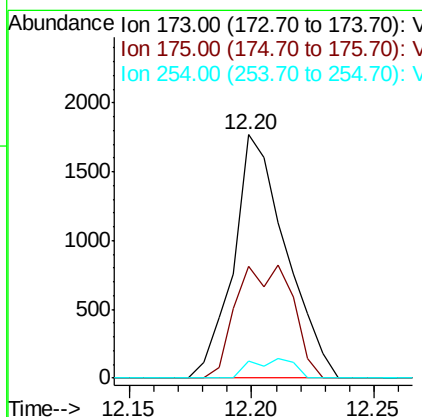
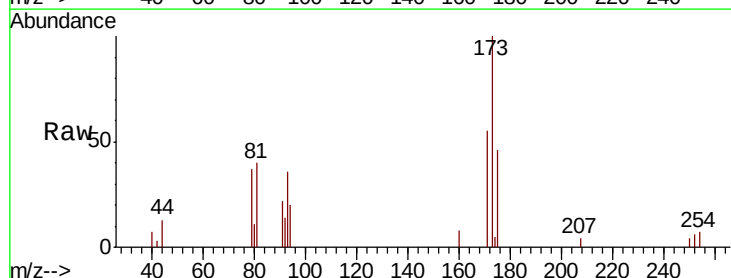
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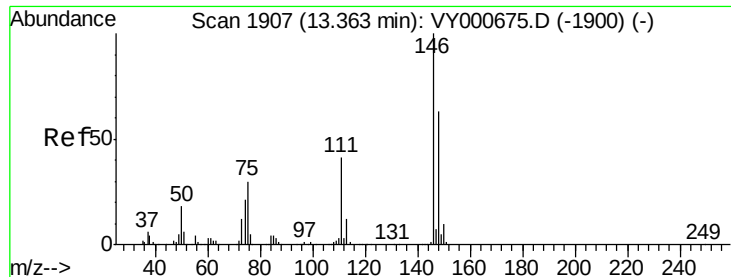
MMDadoda
 11/15/2019 3:05:26 PM



#61
 Bromoform
 Concen: 2.139 ug/L
 RT: 12.20 min Scan# 1716
 Delta R.T. -0.01 min
 Lab File: VY000686.D
 Acq: 14 Nov 2019 21:11

Tgt Ion: 173 Resp: 2641
 Ion Ratio Lower Upper
 173 100
 175 28.5 36.6 55.0#
 254 6.4 7.4 11.2#





#62

1,3-Dichlorobenzene

Concen: 2.049 ug/L

RT: 13.36 min Scan# 1907

Delta R.T. -0.00 min

Lab File: VY000686.D

Acq: 14 Nov 2019 21:11

Instrument :

MSVOA_Y

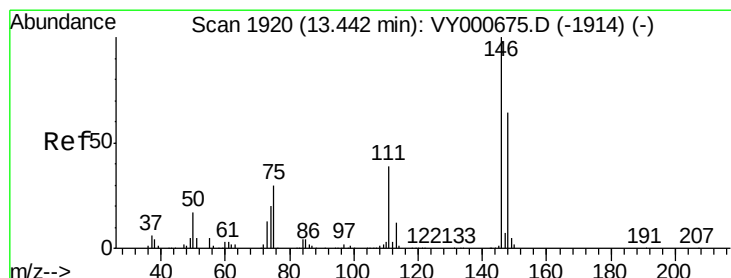
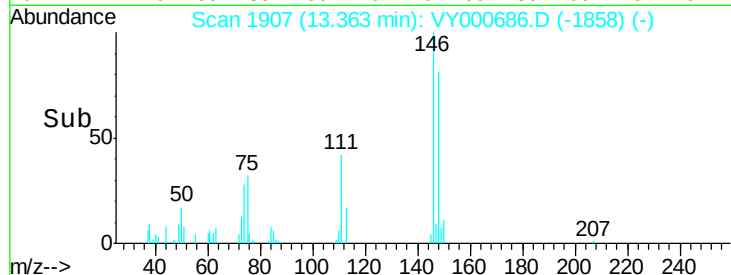
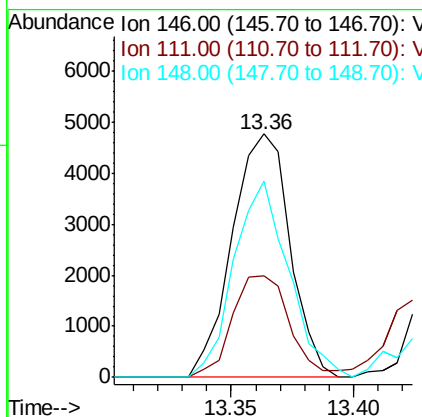
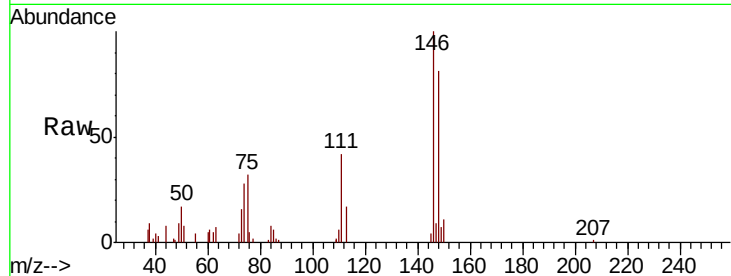
ClientSampled :

MDL7

Tot Ion:	146	Resp:	7838
Ion Ratio	Lower	Upper	
146	100		
111	41.8	28.4	52.8
148	80.8	44.1	81.9

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#63

1,4-Dichlorobenzene

Concen: 2.518 ug/L

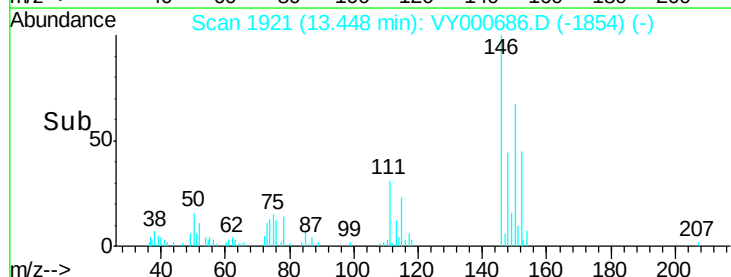
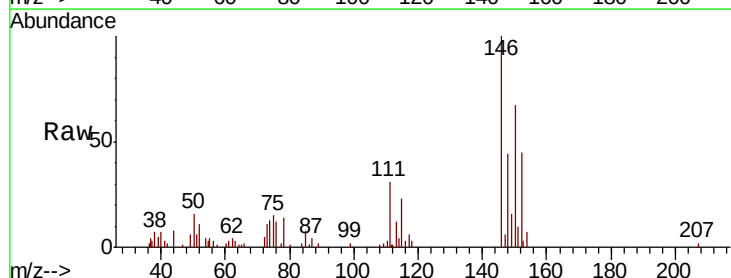
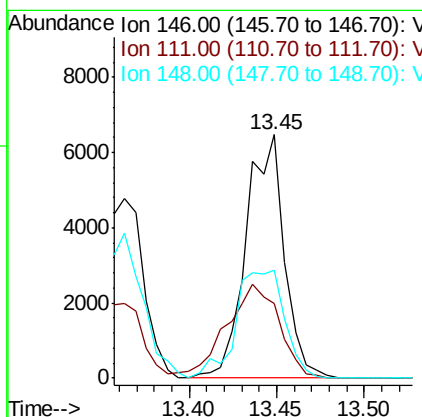
RT: 13.45 min Scan# 1921

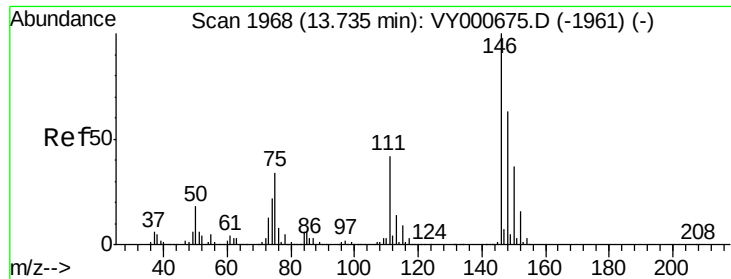
Delta R.T. 0.01 min

Lab File: VY000686.D

Acq: 14 Nov 2019 21:11

Tgt Ion:	146	Resp:	9866
Ion Ratio	Lower	Upper	
146	100		
111	30.7	27.4	51.0
148	44.5	45.2	84.0#





#65

1,2-Dichlorobenzene

Concen: 2.294 ug/L

RT: 13.73 min Scan# 1968

Delta R.T. -0.00 min

Lab File: VY000686.D

Acq: 14 Nov 2019 21:11

Instrument :

MSVOA_Y

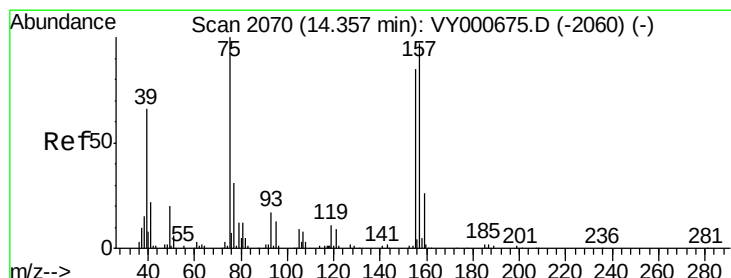
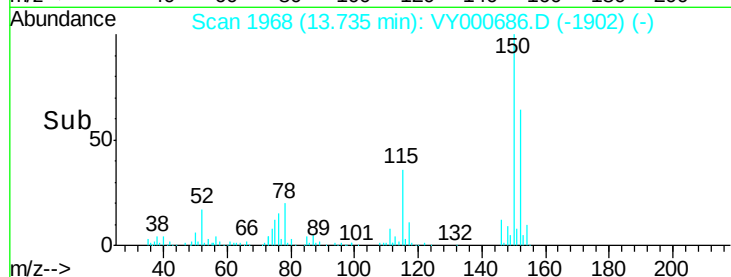
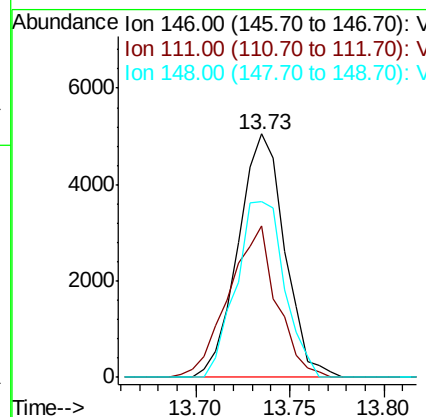
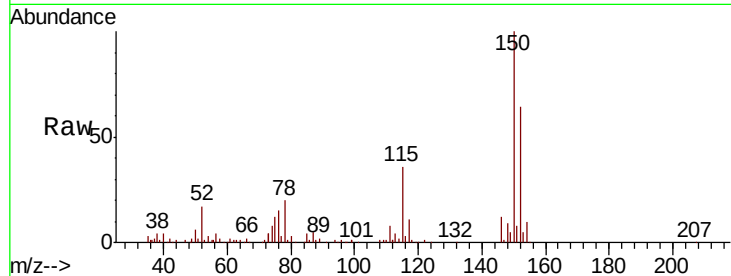
ClientSampled :

MDL7

Tot Ion	Ratio	Lower	Upper
146	100		
111	62.2	33.4	50.0#
148	72.1	50.8	76.2

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11/15/2019 3:05:26 PM



#66

1,2-Dibromo-3-chloropropane

Concen: 2.503 ug/L

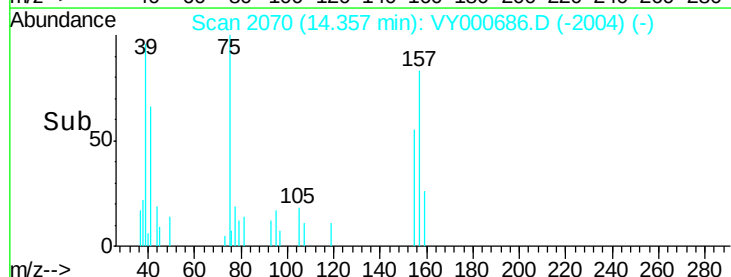
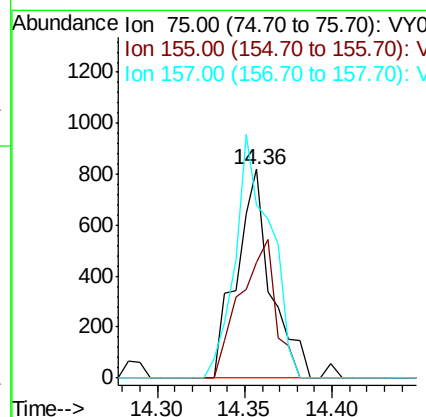
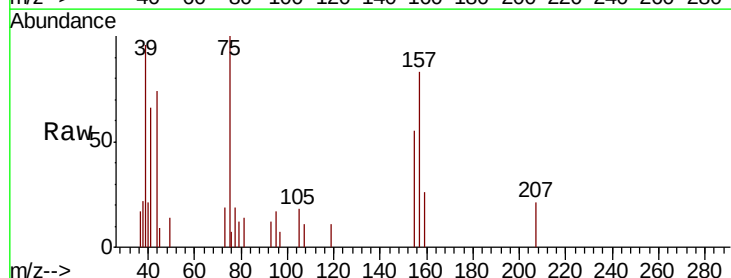
RT: 14.36 min Scan# 2070

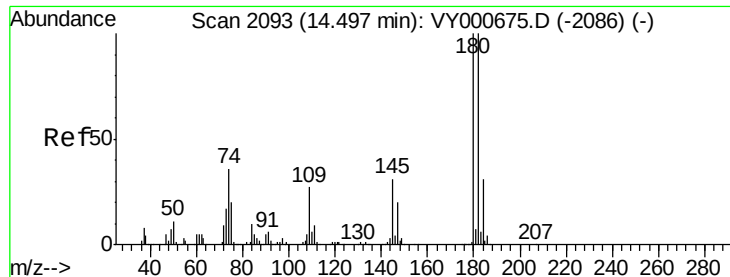
Delta R.T. -0.00 min

Lab File: VY000686.D

Acq: 14 Nov 2019 21:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	55.5	67.7	101.5#
157	83.2	77.8	116.8





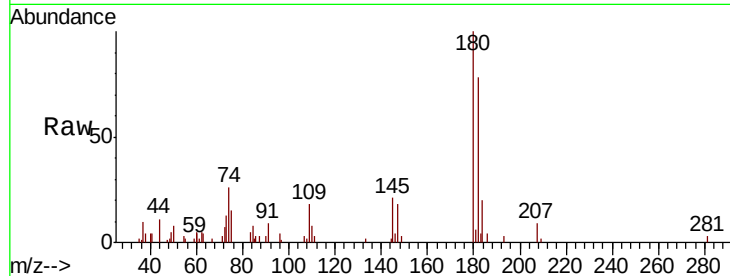
#67
 1,3,5-Trichlorobenzene
 Concen: 2.087 ug/L
 RT: 14.50 min Scan# 2094
 Delta R.T. 0.01 min
 Lab File: VY000686.D
 Acq: 14 Nov 2019 21:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL7

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	77.8	116.6
184	26.4	25.2	37.8
145	30.2	24.9	37.3

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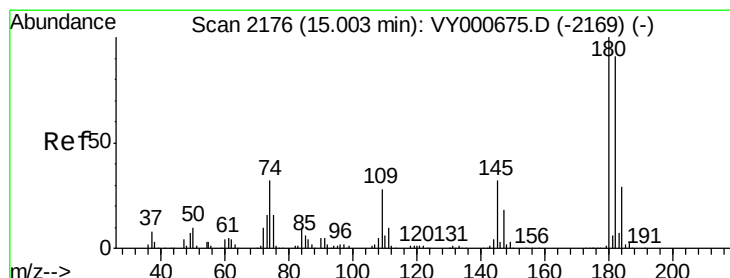
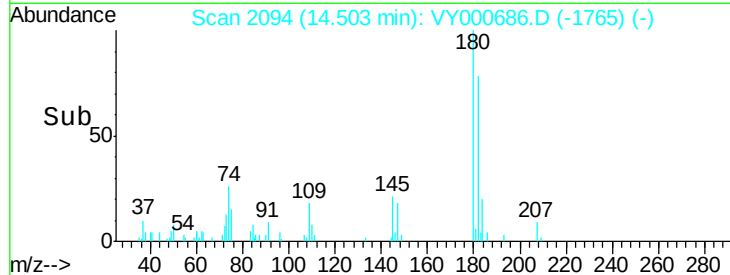
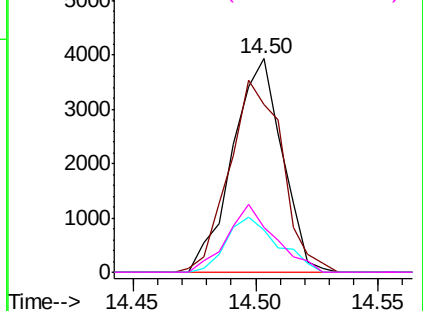


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

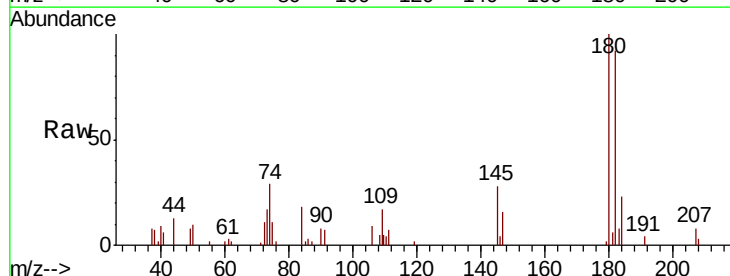
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 2.290 ug/L
 RT: 15.01 min Scan# 2177
 Delta R.T. 0.01 min
 Lab File: VY000686.D
 Acq: 14 Nov 2019 21:11

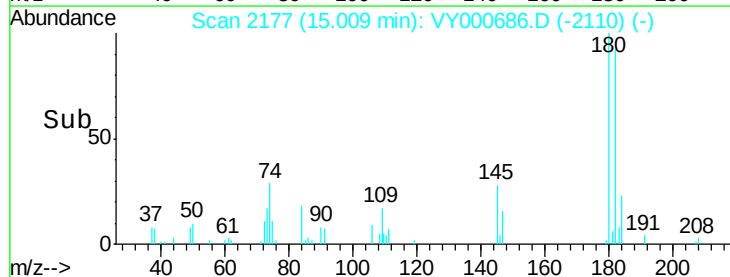
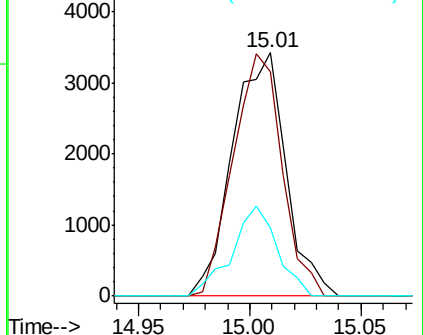
Tgt Ion	Ratio	Lower	Upper
180	100		
182	90.9	75.5	113.3
145	31.4	25.4	38.0

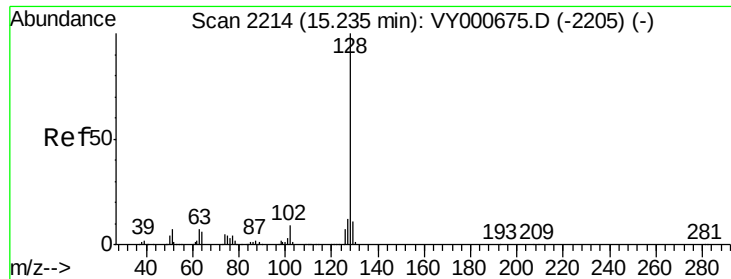


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





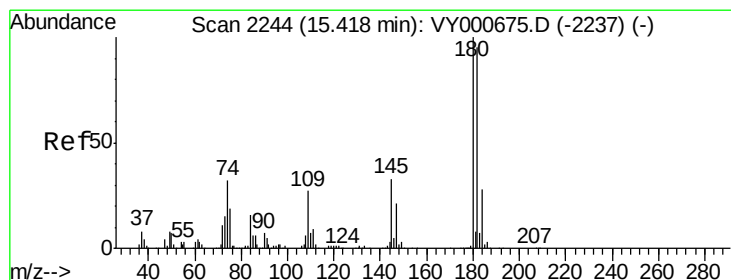
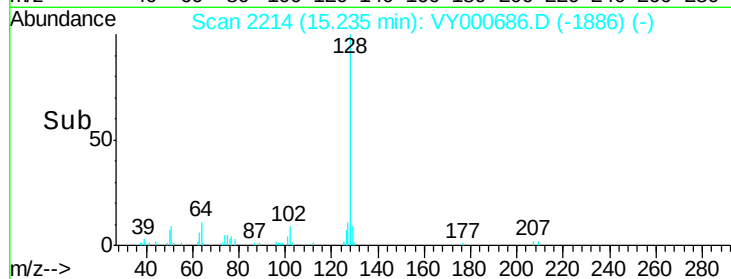
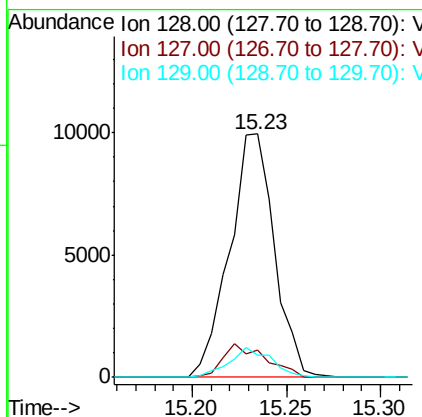
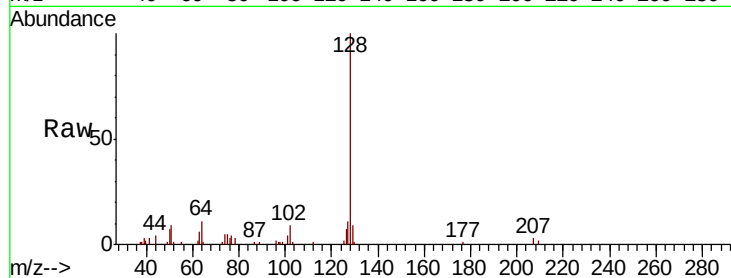
#69
Naphthalene
Concen: 2.195 ug/L
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY000686.D
Acq: 14 Nov 2019 21:11

Instrument :
MSVOA_Y
ClientSampleId :
MDL7

Tot Ion	Ratio	Resp	Lower	Upper
128	100	16426		
127	13.2		10.1	15.1
129	11.7		8.7	13.1

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#70
1,2,3-Trichlorobenzene
Concen: 2.225 ug/L
RT: 15.42 min Scan# 2245
Delta R.T. 0.01 min
Lab File: VY000686.D
Acq: 14 Nov 2019 21:11

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	5362		
182	106.3		75.3	112.9
145	28.7		25.8	38.8

