

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111419\
 Data File : VY000685.D
 Acq On : 14 Nov 2019 20:49
 Operator : SY/MD
 Sample : MDL6
 Misc : 5ML/MSVOA Y/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL6

Manual Integrations
 APPROVED

MMDadoda
 11/15/2019 3:05:21 PM

Quant Time: Nov 15 11:47:54 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	307673	50.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	271578	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	124222	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	115563	47.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.64%
7) Chloroethane-d5	2.76	69	101130	50.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.52%
11) 1,1-Dichloroethene-d2	3.85	63	161735	38.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.92%
21) 2-Butanone-d5	6.91	46	114380	119.98	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	119.98%
24) Chloroform-d	7.49	84	194706	55.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.80%
26) 1,2-Dichloroethane-d4	8.15	65	131673	53.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.18%
32) Benzene-d6	8.12	84	413384	54.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.86%
36) 1,2-Dichloropropane-d6	9.13	67	128696	54.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	109.84%
41) Toluene-d8	10.18	98	358439	50.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.94%
43) trans-1,3-Dichloropropene-	10.44	79	64348	54.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	109.76%
47) 2-Hexanone-d5	10.79	63	81285	117.67	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	117.67%
57) 1,1,2,2-Tetrachloroethane-	12.56	84	145823	52.76	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.52%
64) 1,2-Dichlorobenzene-d4	13.72	152	129641	53.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.88%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.90	85	2814	1.602	ug/L	99
3) Chloromethane	2.12	50	5217	2.233	ug/L	91
5) Vinyl chloride	2.25	62	5323	2.272	ug/L #	40
6) Bromomethane	2.65	94	3391	2.518	ug/L #	55
8) Chloroethane	2.80	64	3432	2.334	ug/L	86
9) Trichlorofluoromethane	3.13	101	6445m	1.863	ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.90	101	4974m	2.577	ug/L	
12) 1,1-Dichloroethene	3.86	96	5434	2.814	ug/L #	1
13) Acetone	3.96	43	3252m	4.738	ug/L	
14) Carbon disulfide	4.19	76	11162	2.095	ug/L #	95
15) Methyl Acetate	4.49	43	3827m	2.219	ug/L	
16) Methylene chloride	4.71	84	5177m	2.507	ug/L	
17) trans-1,2-Dichloroethene	5.22	96	4370m	2.167	ug/L	
18) Methyl tert-butyl Ether	5.22	73	12721m	2.096	ug/L	
19) 1,1-Dichloroethane	6.03	63	7863m	2.169	ug/L	
20) cis-1,2-Dichloroethene	7.00	96	5001	2.213	ug/L	79
22) 2-Butanone	7.00	43	5398m	4.998	ug/L	

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

23) Bromochloromethane	7.34	128	2264m	2.173	ug/L	
25) Chloroform	7.51	83	12429	2.995	ug/L	92
27) 1,2-Dichloroethane	8.25	62	6648	2.346	ug/L	97
29) Cyclohexane	7.80	56	5050	1.593	ug/L #	89
30) 1,1,1-Trichloroethane	7.71	97	6049	2.039	ug/L	97
31) Carbon tetrachloride	7.91	117	4324m	1.628	ug/L	
33) Benzene	8.17	78	18202	2.250	ug/L	100
34) Trichloroethene	8.95	95	4415	2.173	ug/L	82
35) Methylcyclohexane	9.18	83	4848	1.446	ug/L	96
37) 1,2-Dichloropropane	9.22	63	4645	2.315	ug/L #	94
38) Bromodichloromethane	9.50	83	5626	2.087	ug/L #	85
39) cis-1,3-Dichloropropene	9.93	75	6915	2.028	ug/L	88
40) 4-Methyl-2-pentanone	10.08	43	9624	4.181	ug/L	97
42) Toluene	10.24	91	16936	1.978	ug/L	98
44) trans-1,3-Dichloropropene	10.46	75	6565	2.199	ug/L	90
45) 1,1,2-Trichloroethane	10.64	97	3761	1.975	ug/L #	82
46) Tetrachloroethene	10.71	164	2947m	1.875	ug/L	
48) 2-Hexanone	10.83	43	9210	5.541	ug/L	97
49) Dibromochloromethane	10.99	129	4251	2.061	ug/L	88
50) 1,2-Dibromoethane	11.10	107	4010	2.104	ug/L #	92
51) Chlorobenzene	11.52	112	11463	2.078	ug/L	92
52) Ethylbenzene	11.60	91	17636	1.805	ug/L	97
53) m,p-Xylene	11.70	106	6655	1.771	ug/L	97
54) o-xylene	12.03	106	6562	1.781	ug/L	91
55) Styrene	12.04	104	11320	1.808	ug/L	94
56) Isopropylbenzene	12.33	105	14922	1.582	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.58	83	6412	2.381	ug/L #	90
59) 1,2,3-Trichloropropane	12.63	75	4884	2.292	ug/L	97
61) Bromoform	12.20	173	2603	2.070	ug/L #	89
62) 1,3-Dichlorobenzene	13.36	146	7546	1.937	ug/L	89
63) 1,4-Dichlorobenzene	13.44	146	8740	2.190	ug/L	97
65) 1,2-Dichlorobenzene	13.73	146	8126	2.118	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.35	75	1030	2.222	ug/L #	63
67) 1,3,5-Trichlorobenzene	14.50	180	4991	1.836	ug/L	93
68) 1,2,4-trichlorobenzene	15.00	180	5236	2.053	ug/L	98
69) Naphthalene	15.23	128	15150	1.988	ug/L	97
70) 1,2,3-Trichlorobenzene	15.42	180	5120	2.086	ug/L	97

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

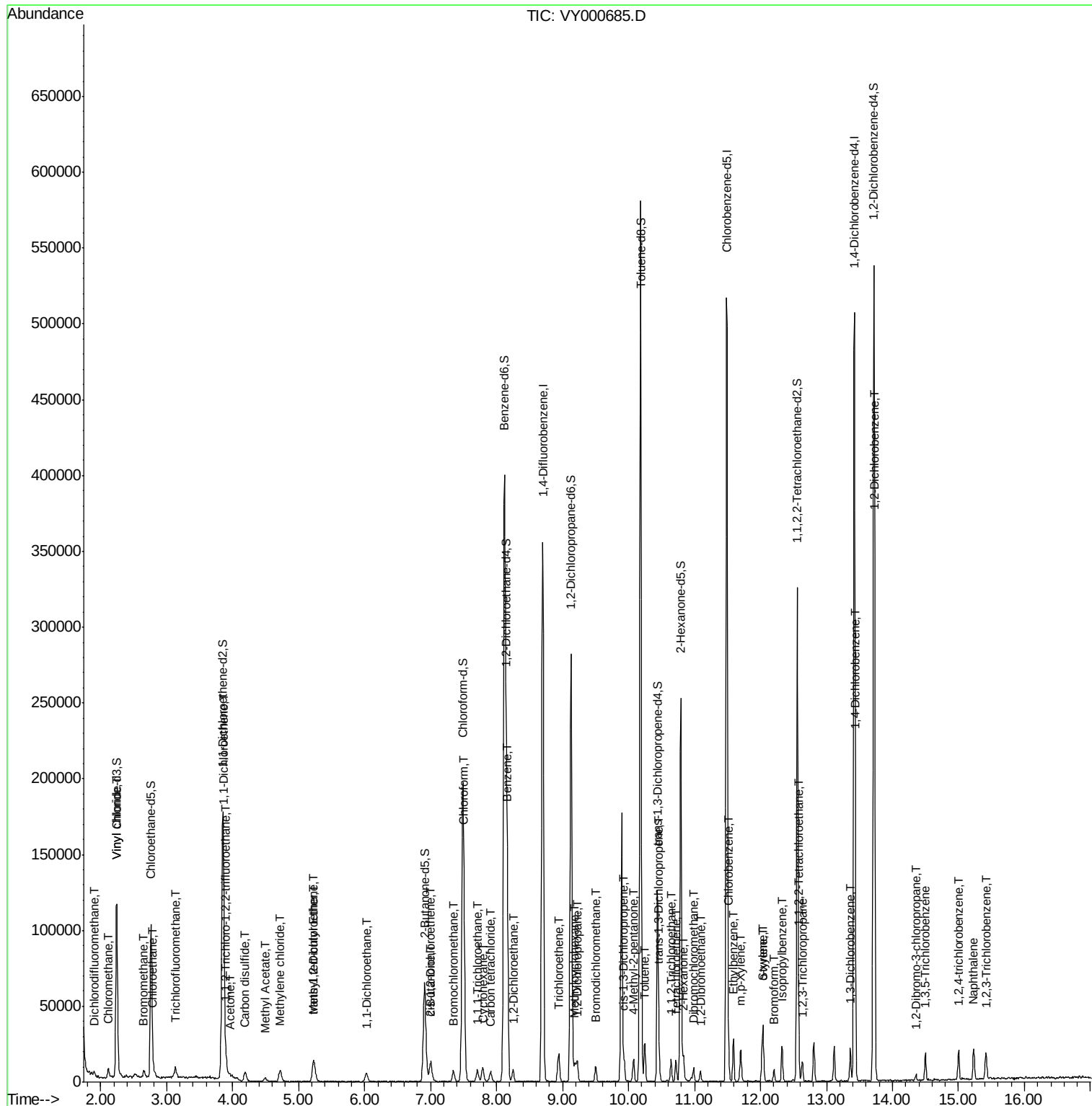
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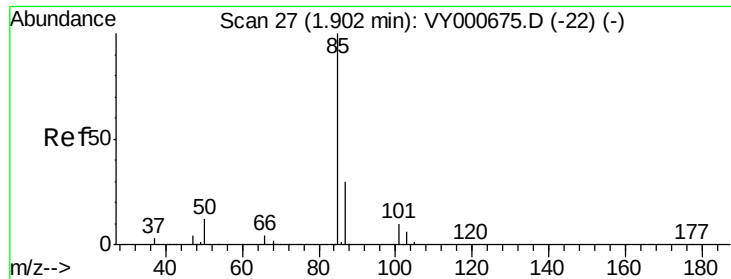
Instrument :
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#2

Dichlorodifluoromethane

Concen: 1.602 ug/L

RT: 1.90 min Scan# 27

Delta R.T. -0.00 min

Lab File: VY000685.D

Acq: 14 Nov 2019 20:49

Instrument :

MSVOA_Y

ClientSampleId :

MDL6

Tot Ion: 85 Resp: 2814

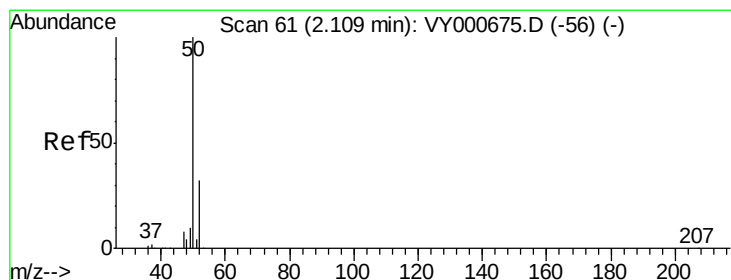
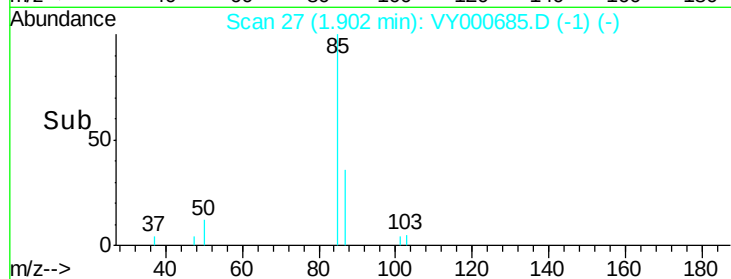
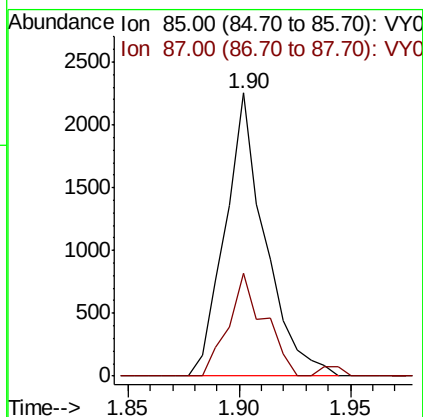
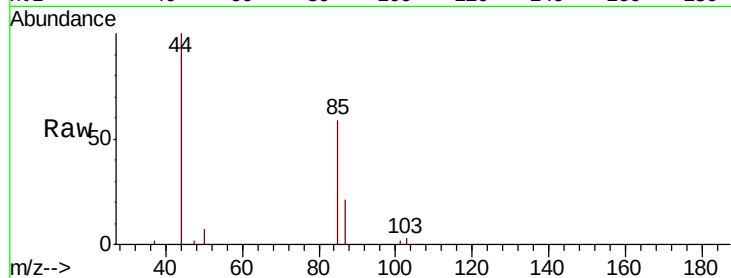
Ion Ratio Lower Upper

85 100

87 32.9 25.8 38.6

Manual Integrations
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#3

Chloromethane

Concen: 2.233 ug/L

RT: 2.12 min Scan# 62

Delta R.T. 0.01 min

Lab File: VY000685.D

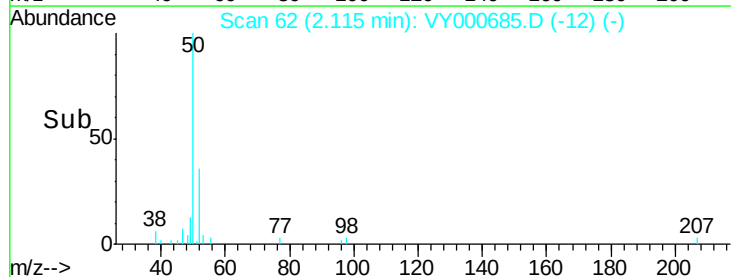
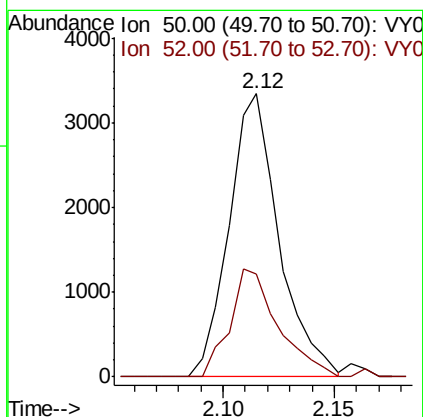
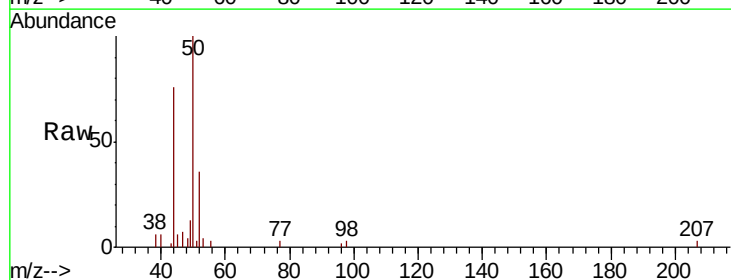
Acq: 14 Nov 2019 20:49

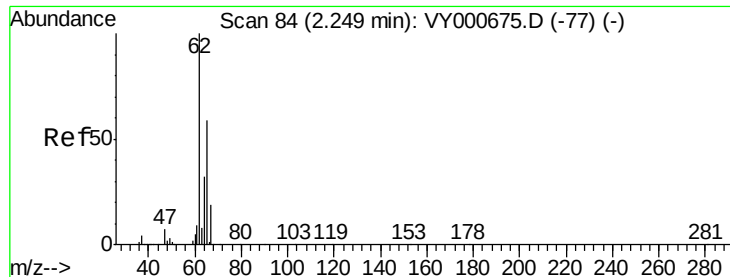
Tgt Ion: 50 Resp: 5217

Ion Ratio Lower Upper

50 100

52 36.4 22.2 41.2





#5

Vinyl chloride

Concen: 2.272 ug/L

RT: 2.25 min Scan# 84

Delta R.T. -0.00 min

Lab File: VY000685.D

Acq: 14 Nov 2019 20:49

Instrument :

MSVOA_Y

ClientSampled :

MDL6

Tot Ion: 62 Resp: 5323

Ion Ratio Lower Upper

62 100

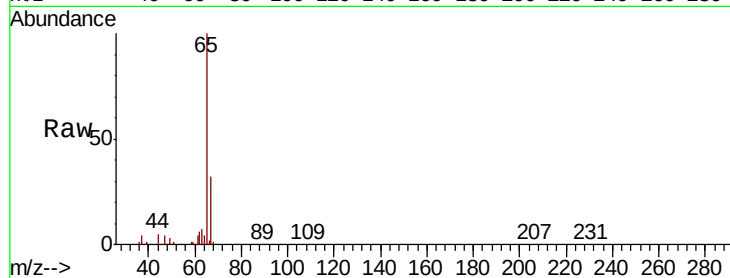
64 66.0 22.7 42.1#

Manual Integrations

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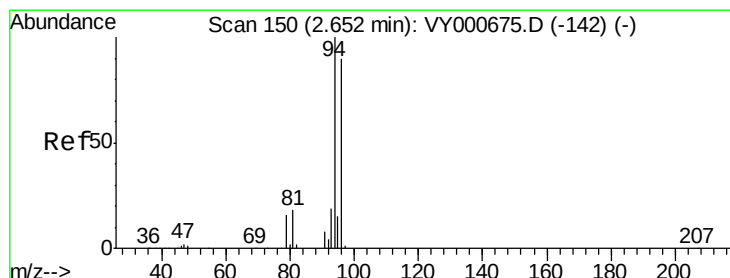
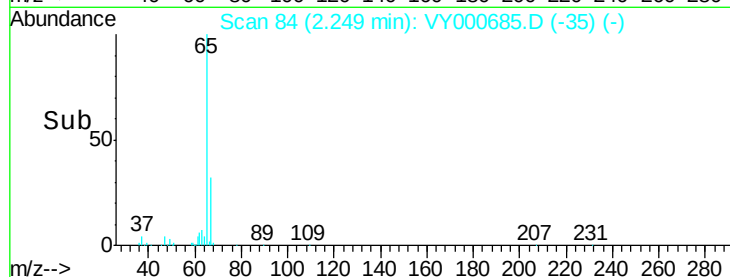
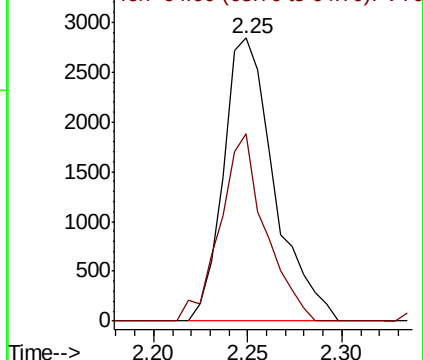
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Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 64.00 (63.70 to 64.70): VY0



#6

Bromomethane

Concen: 2.518 ug/L

RT: 2.65 min Scan# 150

Delta R.T. -0.00 min

Lab File: VY000685.D

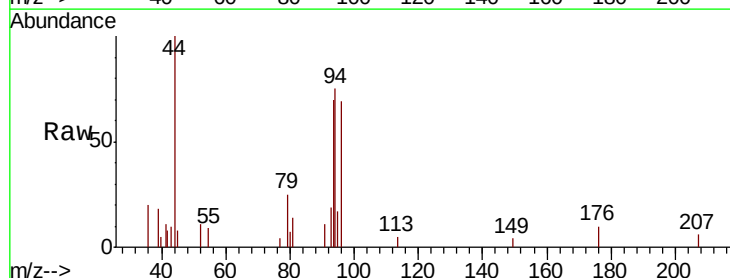
Acq: 14 Nov 2019 20:49

Tgt Ion: 94 Resp: 3391

Ion Ratio Lower Upper

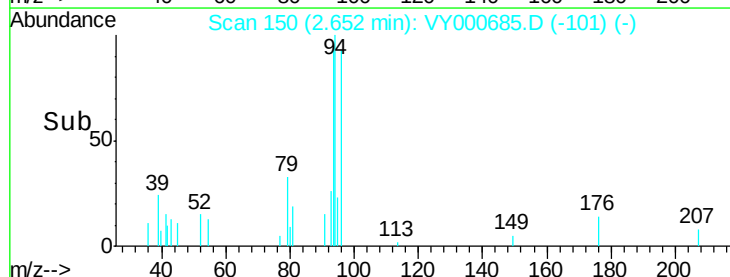
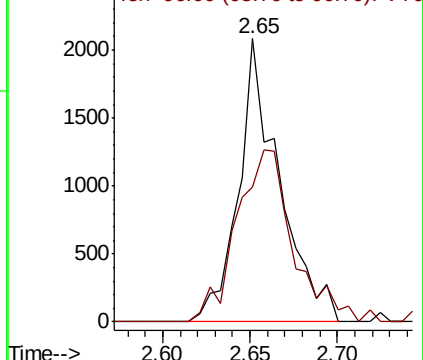
94 100

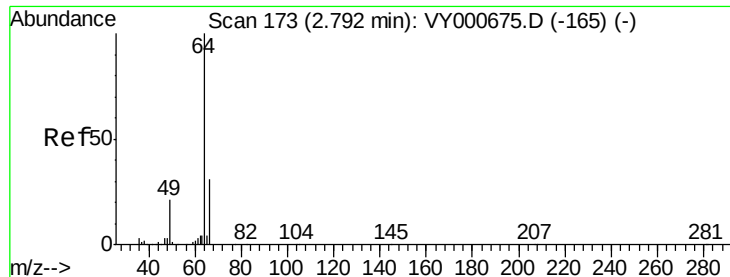
96 47.6 63.0 117.0#



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0





#8

Chloroethane

Concen: 2.334 ug/L

RT: 2.80 min Scan# 174

Delta R.T. 0.01 min

Lab File: VY000685.D

Acq: 14 Nov 2019 20:49

Instrument :

MSVOA_Y

ClientSampleId :

MDL6

Tot Ion: 64 Resp: 3432

Ion Ratio Lower Upper

64 100

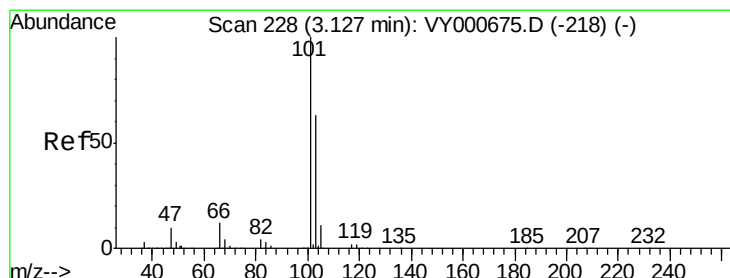
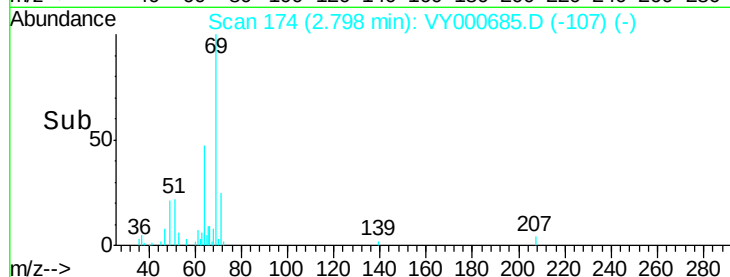
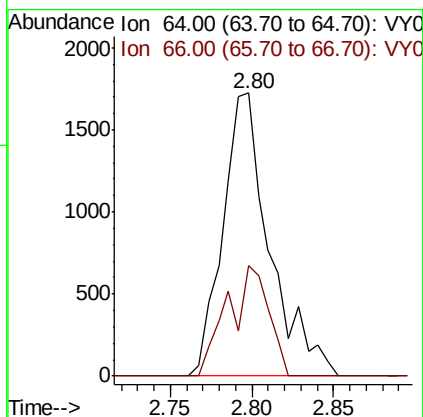
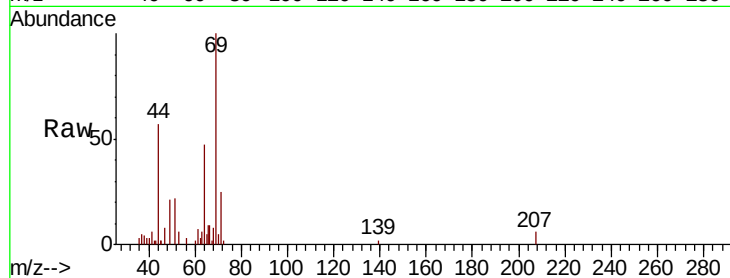
66 38.9 21.7 40.3

Manual Integrations

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#9

Trichlorofluoromethane

Concen: 1.863 ug/L m

RT: 3.13 min Scan# 228

Delta R.T. -0.00 min

Lab File: VY000685.D

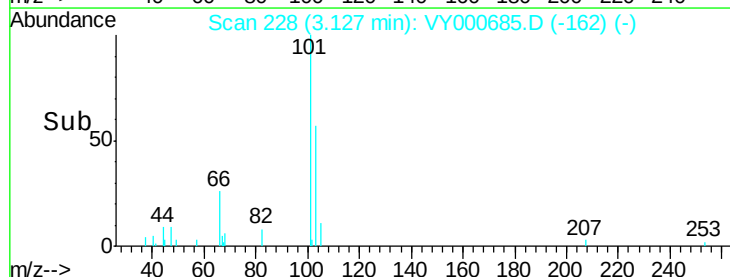
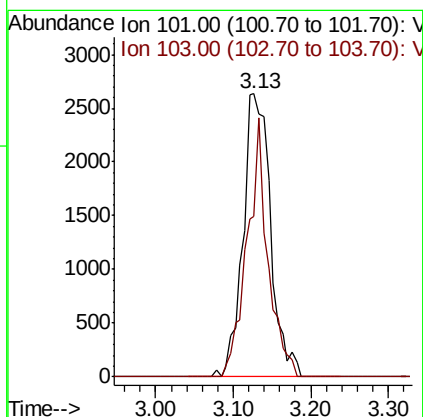
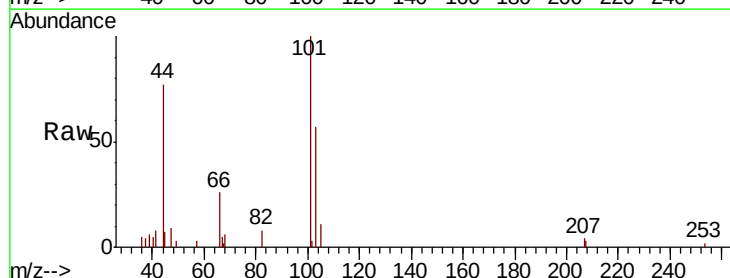
Acq: 14 Nov 2019 20:49

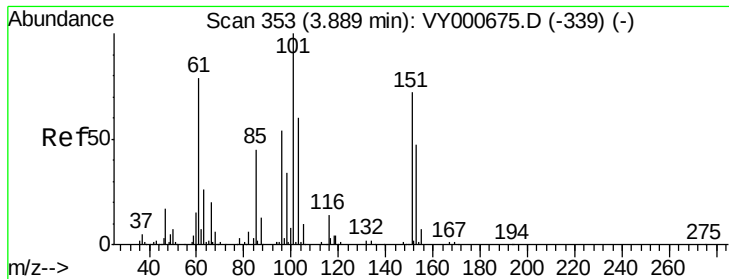
Tgt Ion: 101 Resp: 6445

Ion Ratio Lower Upper

101 100

103 68.5 52.5 78.7





#10

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

Concen: 2.577 ug/L m

RT: 3.90 min Scan# 355

Delta R.T. 0.01 min

Lab File: VY000685.D

Acq: 14 Nov 2019 20:49

Instrument :

MSVOA_Y

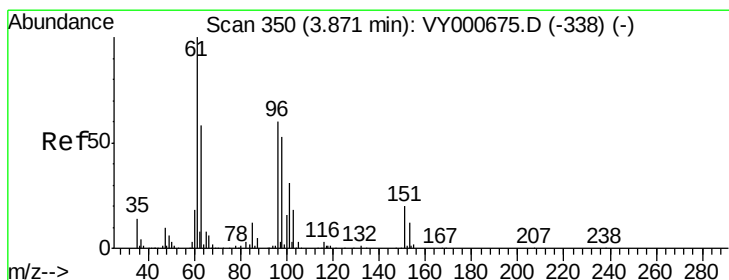
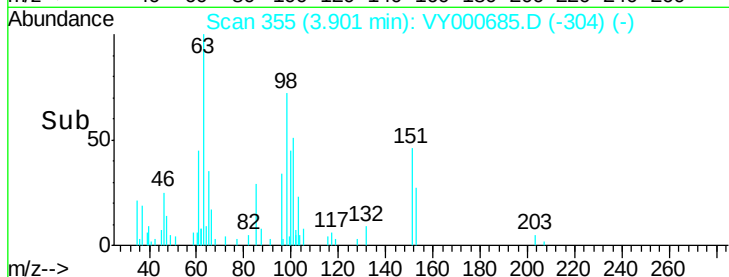
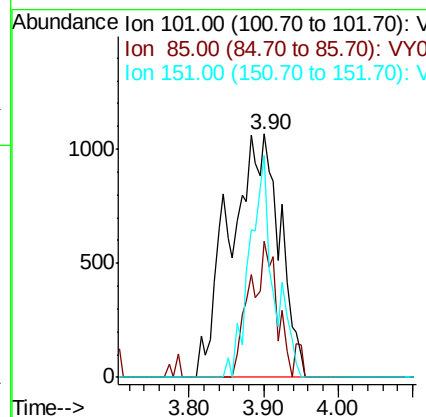
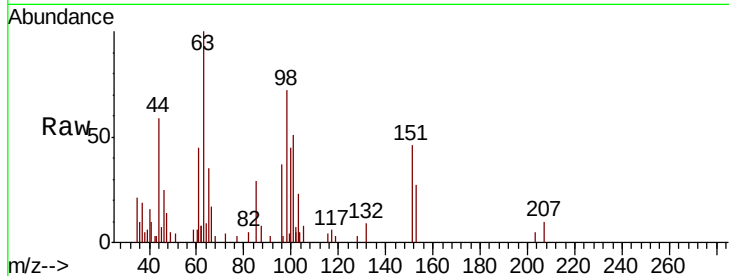
ClientSampleId :

MDL6

Tot Ion:	101	Resp:	4974
Ion Ratio	Lower	Upper	
101	100		
85	11.1	35.3	52.9#
151	0.0	57.7	86.5#

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 2.814 ug/L

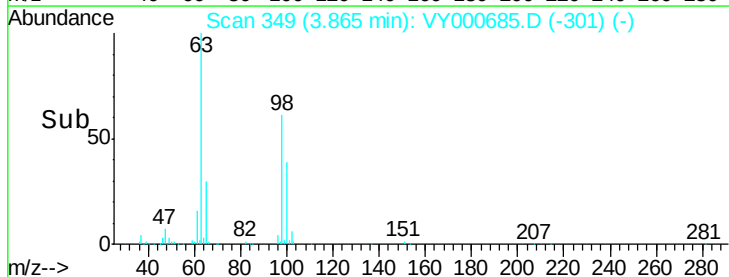
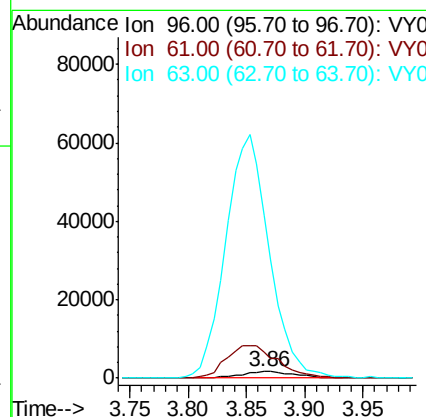
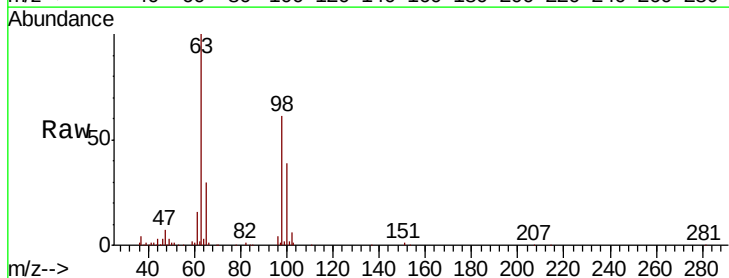
RT: 3.86 min Scan# 349

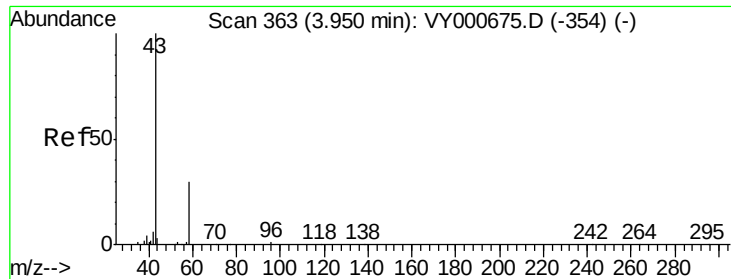
Delta R.T. -0.01 min

Lab File: VY000685.D

Acq: 14 Nov 2019 20:49

Tgt Ion:	96	Resp:	5434
Ion Ratio	Lower	Upper	
96	100		
61	412.4	117.5	218.3#
63	2528.6	70.1	130.3#





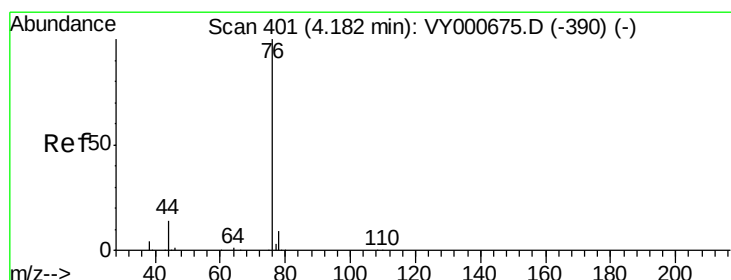
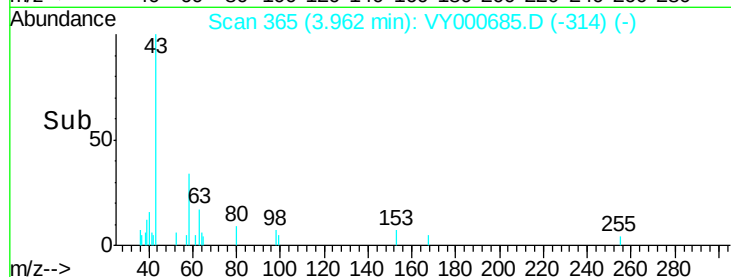
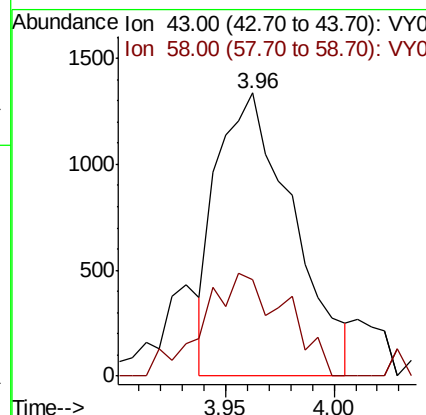
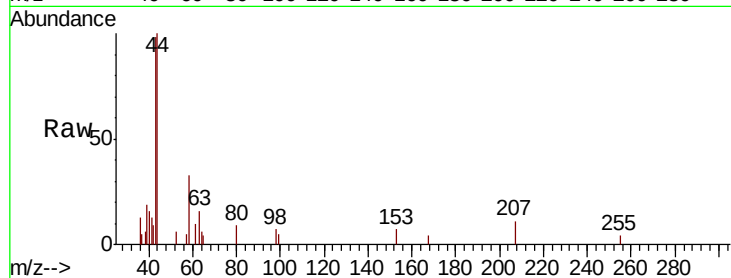
#13
Acetone
Concen: 4.738 ug/L m
RT: 3.96 min Scan# 365
Delta R.T. 0.01 min
Lab File: VY000685.D
Acq: 14 Nov 2019 20:49

Instrument :
MSVOA_Y
ClientSampleId :
MDL6

Tot Ion: 43 Resp: 3252
Ion Ratio Lower Upper
43 100
58 28.1 0.0 62.2

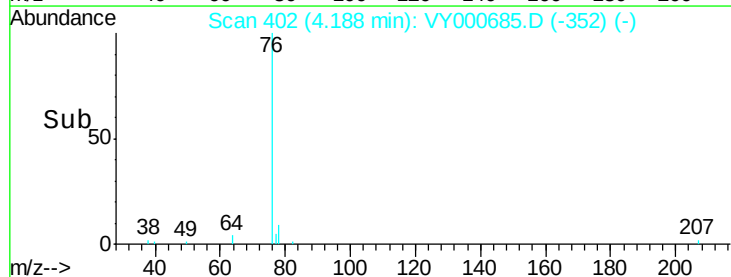
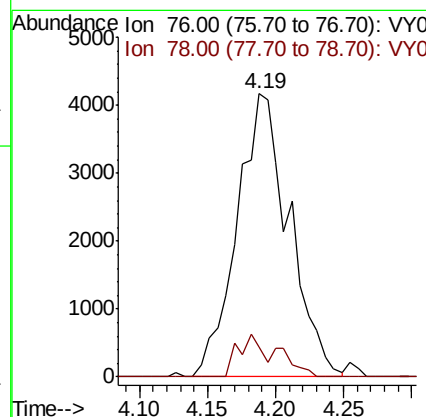
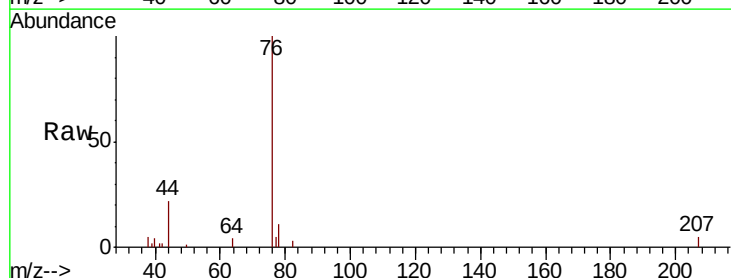
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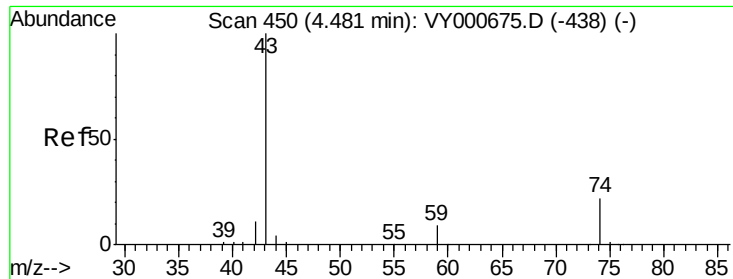
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#14
Carbon disulfide
Concen: 2.095 ug/L
RT: 4.19 min Scan# 402
Delta R.T. 0.01 min
Lab File: VY000685.D
Acq: 14 Nov 2019 20:49

Tgt Ion: 76 Resp: 11162
Ion Ratio Lower Upper
76 100
78 10.6 7.0 10.6#





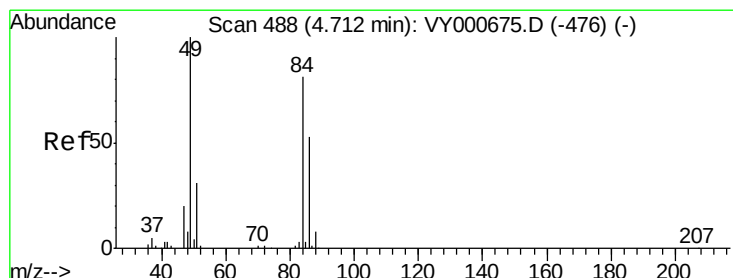
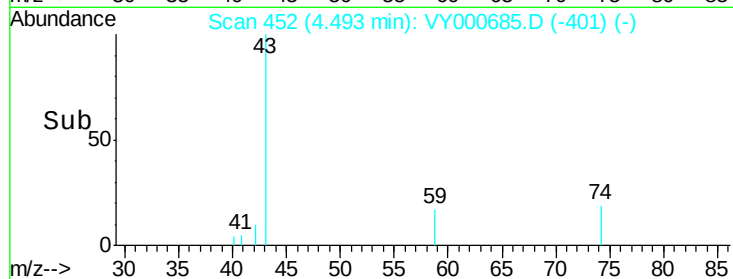
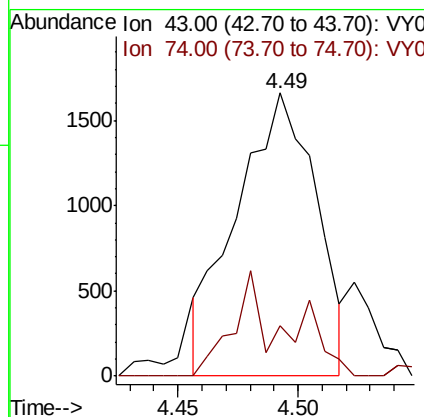
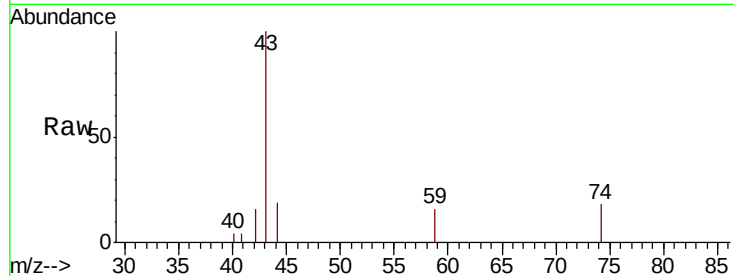
#15
Methyl Acetate
Concen: 2.219 ug/L m
RT: 4.49 min Scan# 452
Delta R.T. 0.01 min
Lab File: VY000685.D
Acq: 14 Nov 2019 20:49

Instrument :
MSVOA_Y
ClientSampled :
MDL6

Tot Ion: 43 Resp: 3827
Ion Ratio Lower Upper
43 100
74 11.4 19.1 28.7#

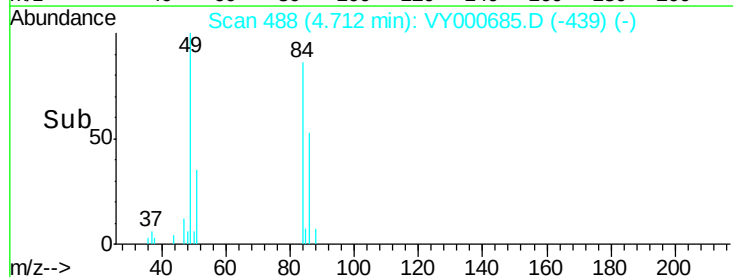
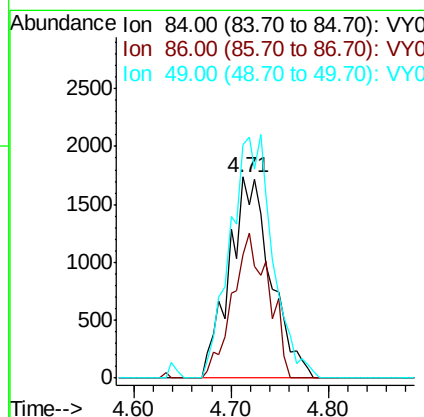
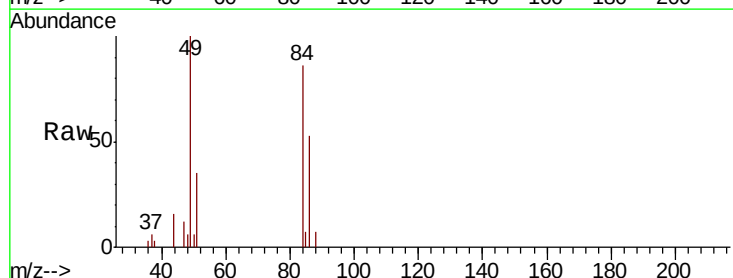
Manual Integrations
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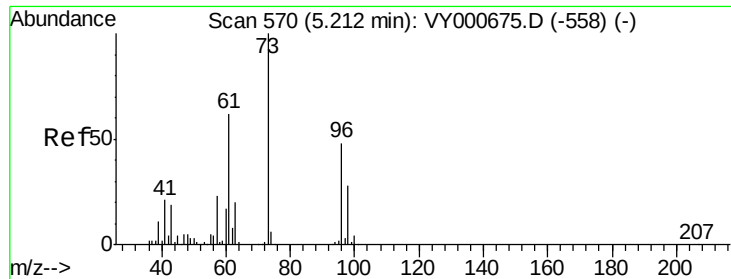
MMDadoda
11/15/2019 3:05:21 PM



#16
Methylene chloride
Concen: 2.507 ug/L m
RT: 4.71 min Scan# 488
Delta R.T. -0.00 min
Lab File: VY000685.D
Acq: 14 Nov 2019 20:49

Tgt Ion: 84 Resp: 5177
Ion Ratio Lower Upper
84 100
86 61.6 45.9 85.3
49 116.1 86.1 159.9





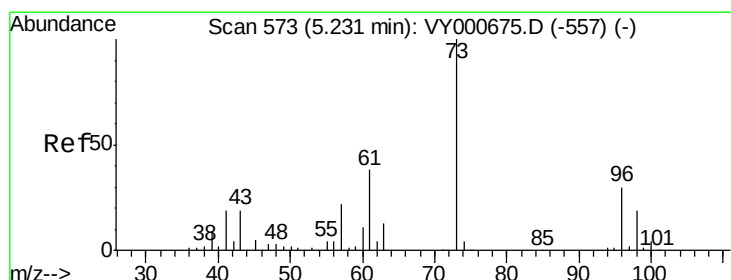
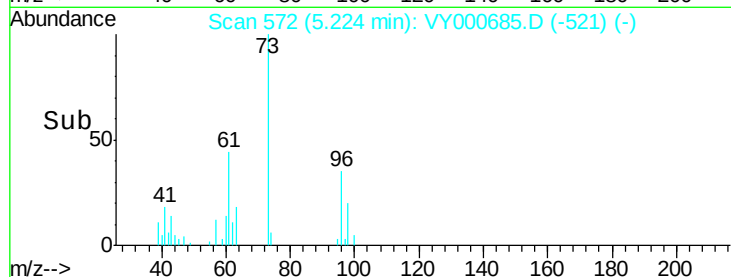
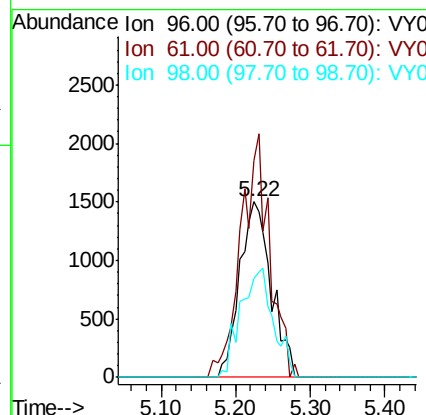
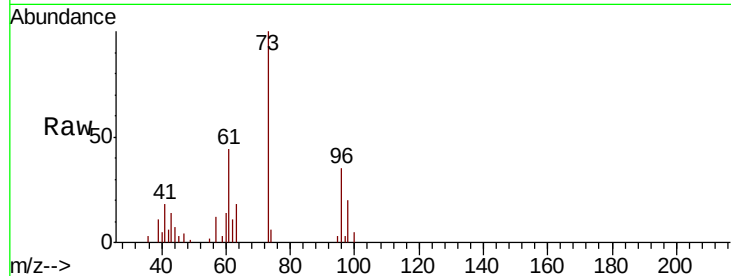
#17
trans-1,2-Dichloroethene
Concen: 2.167 ug/L m
RT: 5.22 min Scan# 572
Delta R.T. 0.01 min
Lab File: VY000685.D
Acq: 14 Nov 2019 20:49

Instrument :
MSVOA_Y
ClientSampleId :
MDL6

Tot Ion	Ratio	Lower	Upper
96	100		
61	124.0	90.8	168.6
98	56.8	41.0	76.2

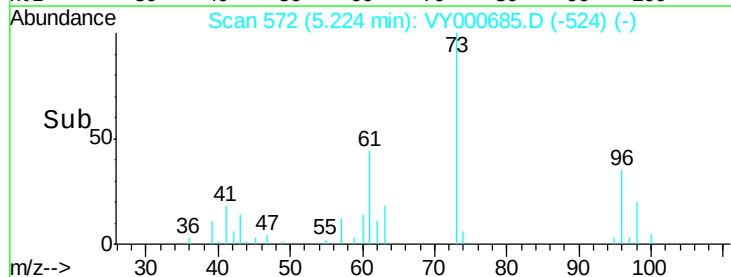
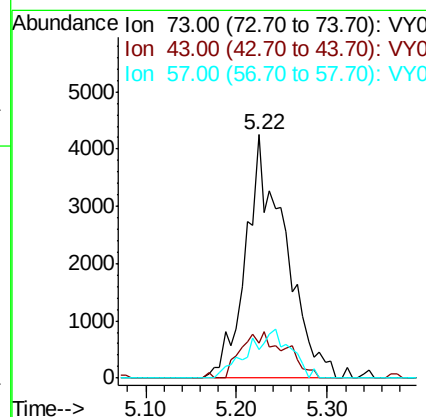
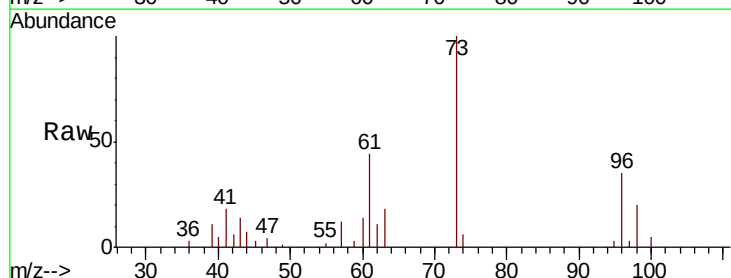
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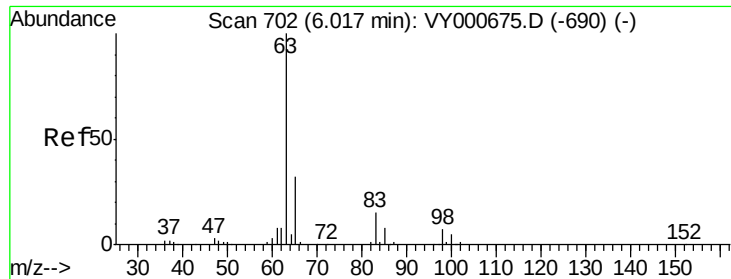
MMDadoda
11/15/2019 3:05:21 PM



#18
Methyl tert-butyl Ether
Concen: 2.096 ug/L m
RT: 5.22 min Scan# 572
Delta R.T. -0.01 min
Lab File: VY000685.D
Acq: 14 Nov 2019 20:49

Tgt Ion	Ratio	Lower	Upper
73	100		
43	9.3	15.5	23.3#
57	2.2	17.7	26.5#





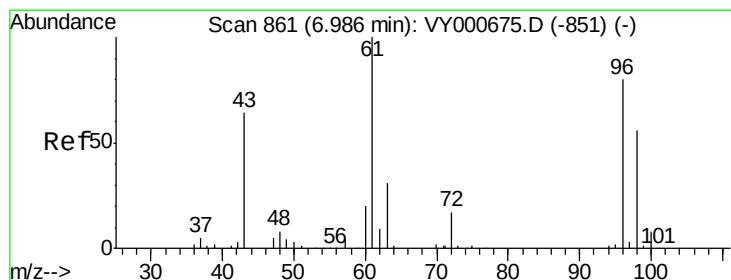
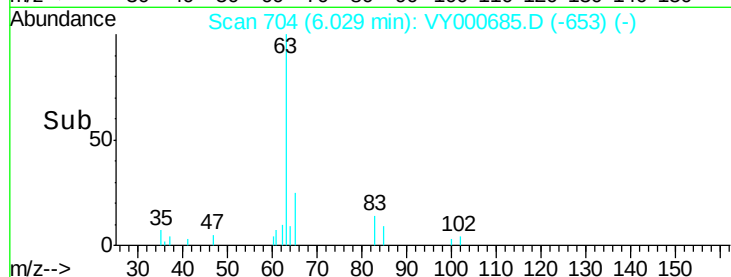
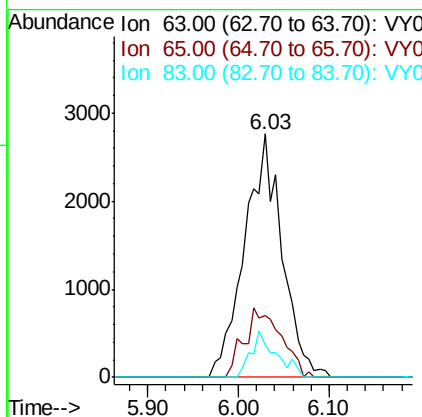
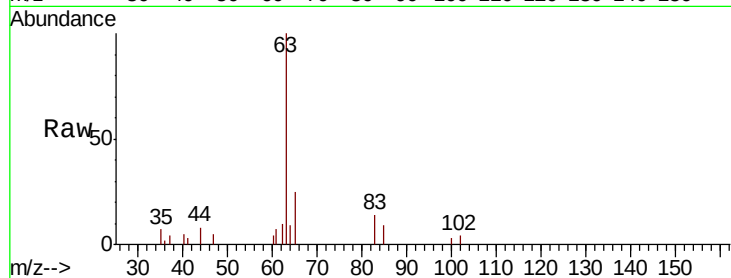
#19
 1,1-Dichloroethane
 Concen: 2.169 ug/L m
 RT: 6.03 min Scan# 704
 Delta R.T. 0.01 min
 Lab File: VY000685.D
 Acq: 14 Nov 2019 20:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL6

Tot Ion	Ratio	Lower	Upper
63	100		
65	25.2	22.7	42.1
83	13.5	10.5	19.5

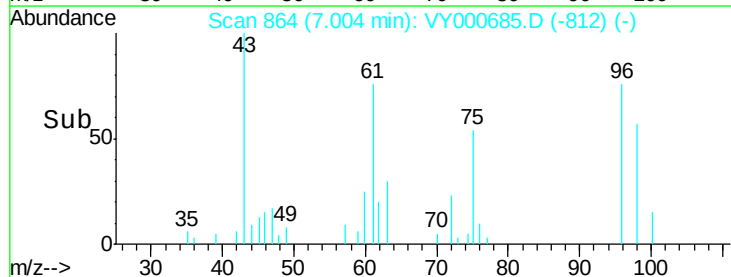
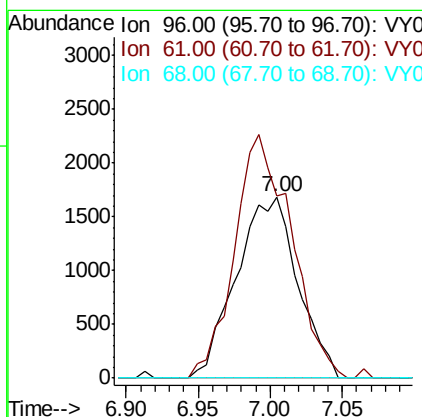
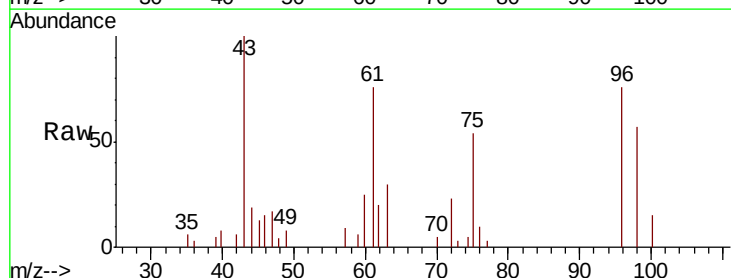
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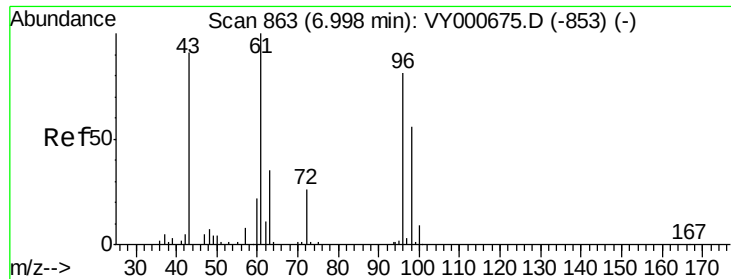
MMDadoda
 11/15/2019 3:05:21 PM



#20
 cis-1,2-Dichloroethene
 Concen: 2.213 ug/L
 RT: 7.00 min Scan# 864
 Delta R.T. 0.02 min
 Lab File: VY000685.D
 Acq: 14 Nov 2019 20:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	100.4	87.2	162.0
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 4.998 ug/L m

RT: 7.00 min Scan# 864

Delta R.T. 0.01 min

Lab File: VY000685.D

Acq: 14 Nov 2019 20:49

Instrument :

MSVOA_Y

ClientSampleId :

MDL6

Tot Ion: 43 Resp: 5398

Ion Ratio Lower Upper

43 100

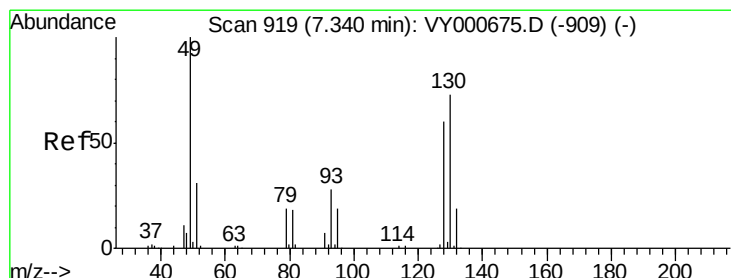
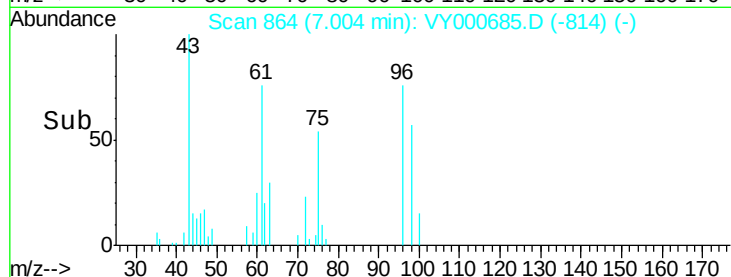
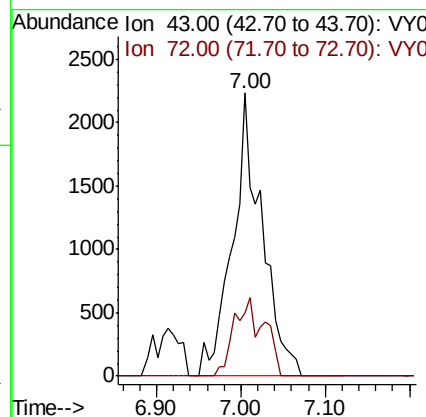
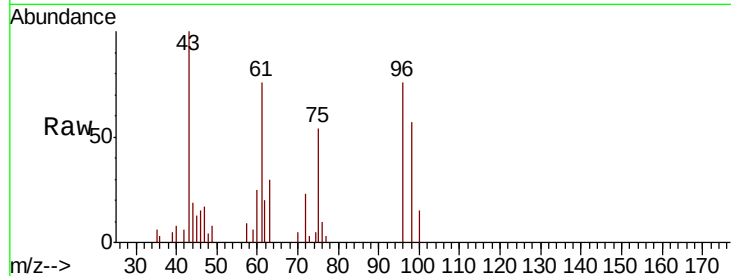
72 9.7 13.7 41.1#

Manual Integrations

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#23

Bromochloromethane

Concen: 2.173 ug/L m

RT: 7.34 min Scan# 919

Delta R.T. -0.00 min

Lab File: VY000685.D

Acq: 14 Nov 2019 20:49

Tgt Ion: 128 Resp: 2264

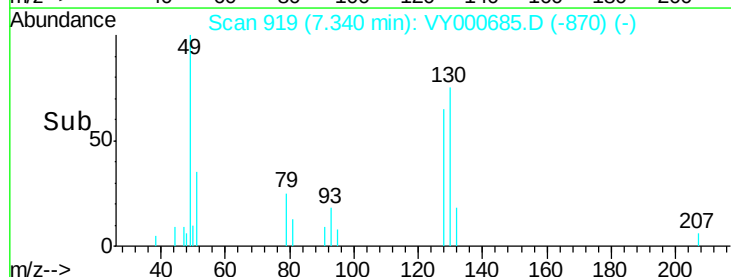
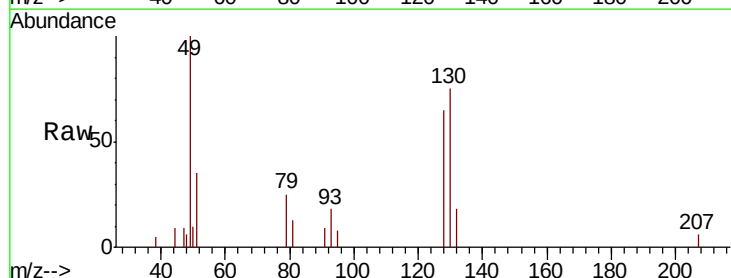
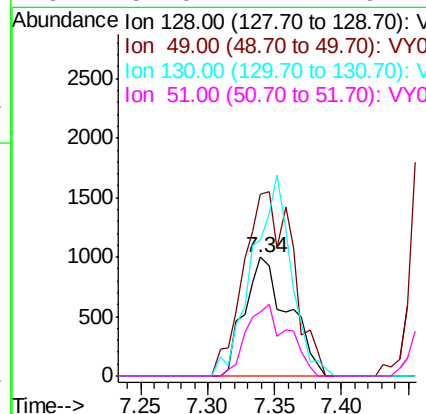
Ion Ratio Lower Upper

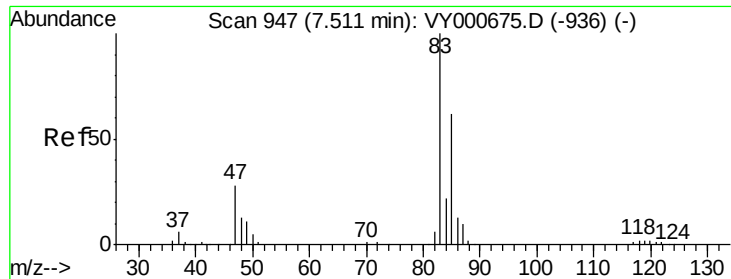
128 100

49 152.8 116.6 216.5

130 114.4 85.4 158.6

51 54.0 41.1 61.7





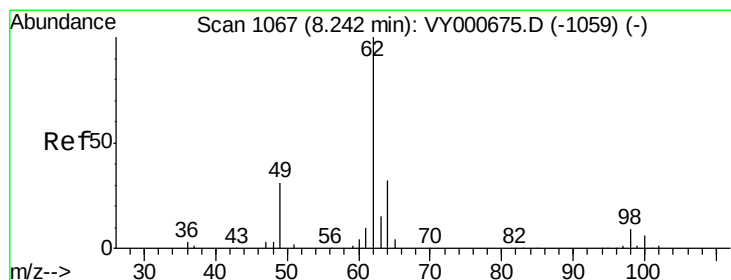
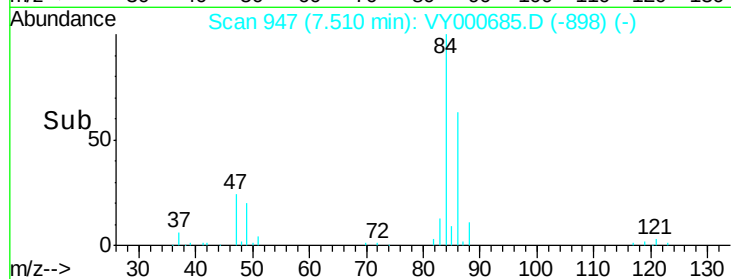
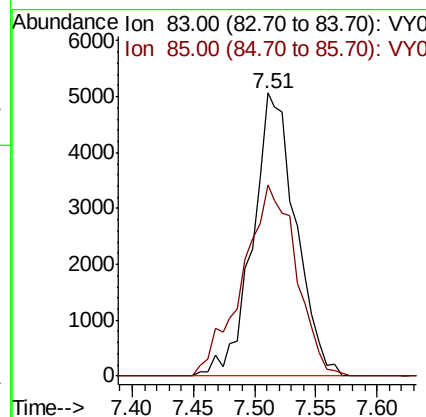
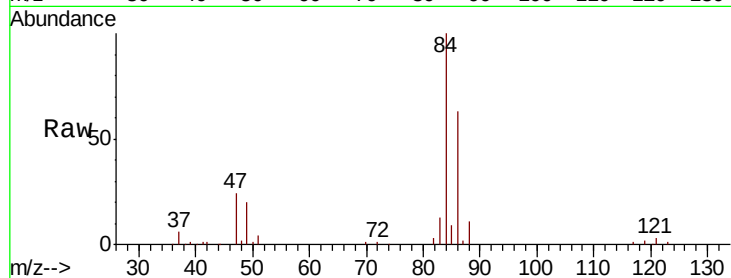
#25
Chloroform
Concen: 2.995 ug/L
RT: 7.51 min Scan# 947
Delta R.T. -0.00 min
Lab File: VY000685.D
Acq: 14 Nov 2019 20:49

Instrument :
MSVOA_Y
ClientSampled :
MDL6

Tot Ion: 83 Resp: 12429
Ion Ratio Lower Upper
83 100
85 67.7 43.1 80.1

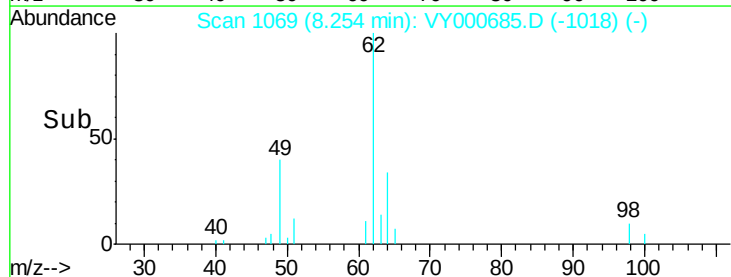
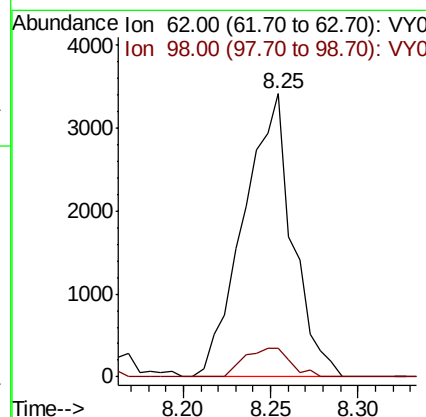
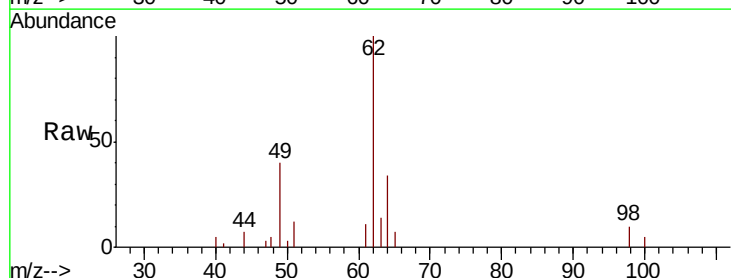
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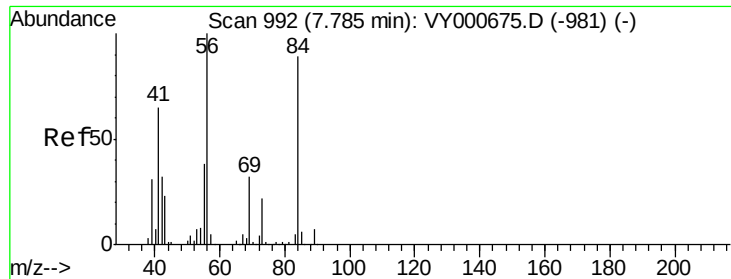
MMDadoda
11/15/2019 3:05:21 PM



#27
1,2-Dichloroethane
Concen: 2.346 ug/L
RT: 8.25 min Scan# 1069
Delta R.T. 0.01 min
Lab File: VY000685.D
Acq: 14 Nov 2019 20:49

Tgt Ion: 62 Resp: 6648
Ion Ratio Lower Upper
62 100
98 10.1 7.1 10.7





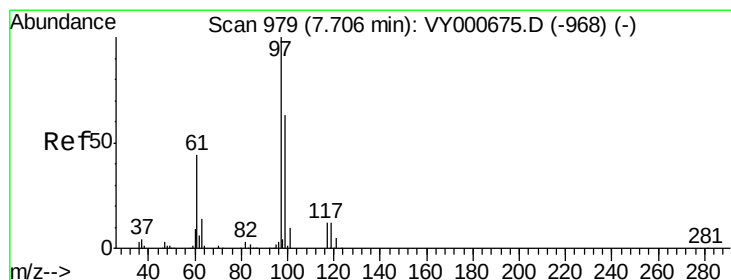
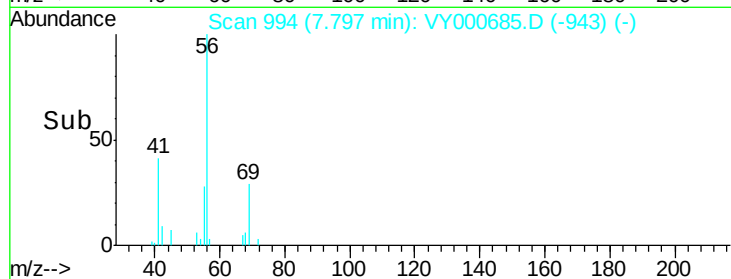
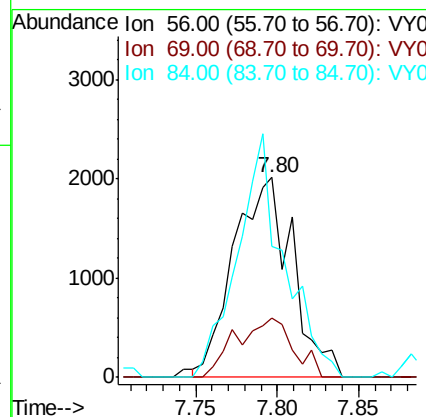
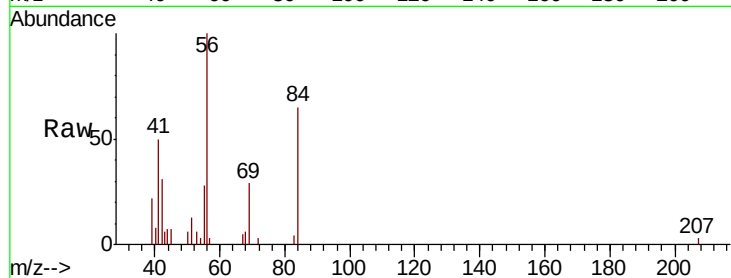
#29
Cyclohexane
Concen: 1.593 ug/L
RT: 7.80 min Scan# 994
Delta R.T. 0.01 min
Lab File: VY000685.D
Acq: 14 Nov 2019 20:49

Instrument :
MSVOA_Y
ClientSampleId :
MDL6

Tot Ion	Ratio	Lower	Upper
56	100		
69	18.3	24.4	36.6#
84	96.3	71.4	107.2

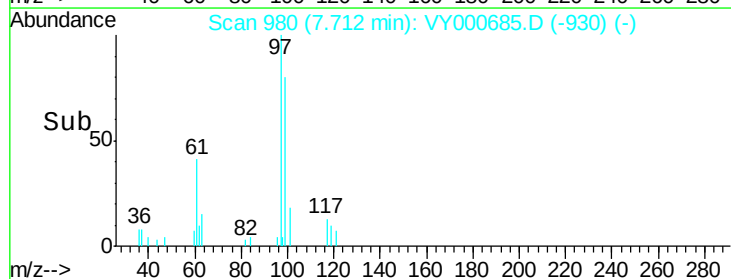
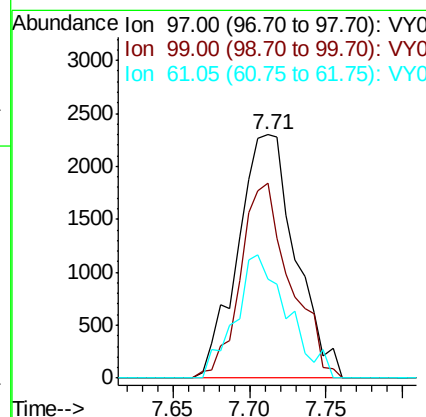
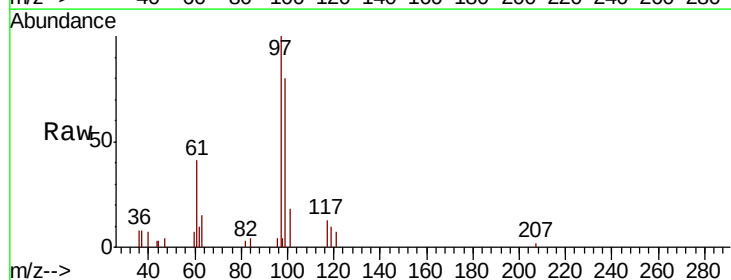
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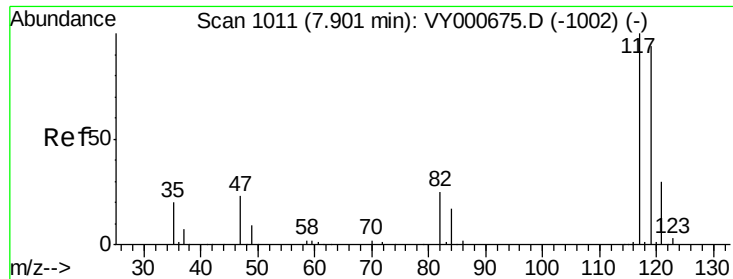
MMDadoda
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#30
1,1,1-Trichloroethane
Concen: 2.039 ug/L
RT: 7.71 min Scan# 980
Delta R.T. 0.01 min
Lab File: VY000685.D
Acq: 14 Nov 2019 20:49

Tgt Ion	Ratio	Lower	Upper
97	100		
99	69.0	52.2	78.2
61	44.0	35.0	52.4





#31

Carbon tetrachloride

Concen: 1.628 ug/L m

RT: 7.91 min Scan# 1013

Delta R.T. 0.01 min

Lab File: VY000685.D

Acq: 14 Nov 2019 20:49

Instrument :

MSVOA_Y

ClientSampleId :

MDL6

Tot Ion:117 Resp: 4324

Ion Ratio Lower Upper

117 100

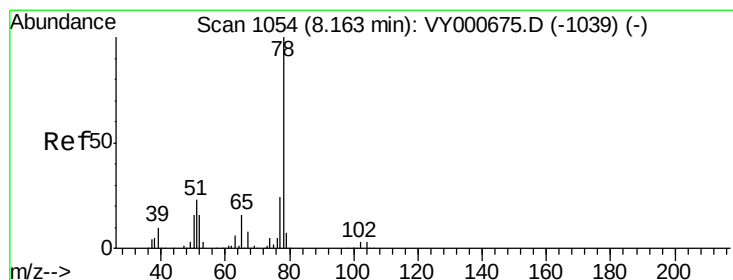
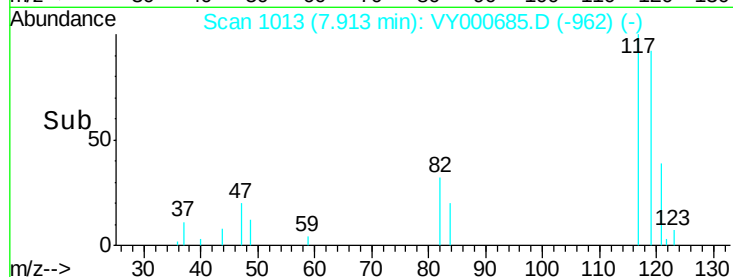
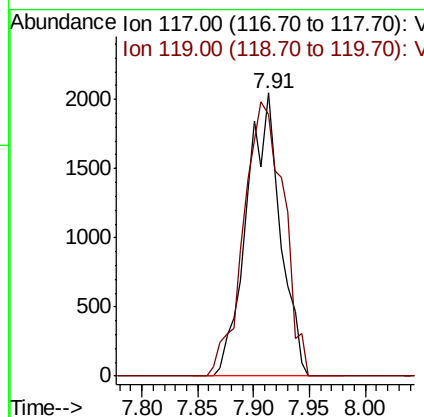
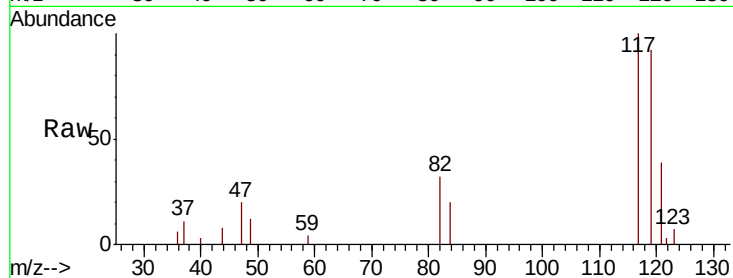
119 9.2 75.5 113.3#

Manual Integrations

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#33

Benzene

Concen: 2.250 ug/L

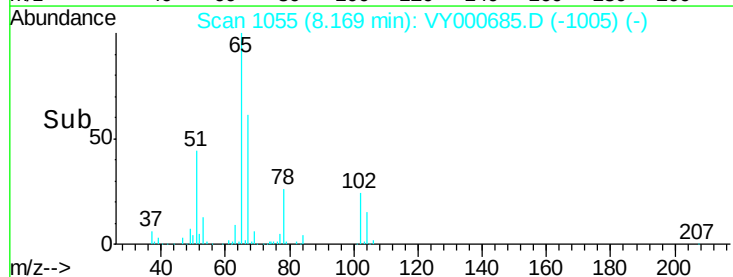
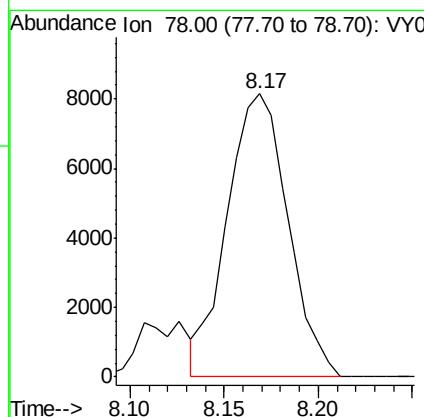
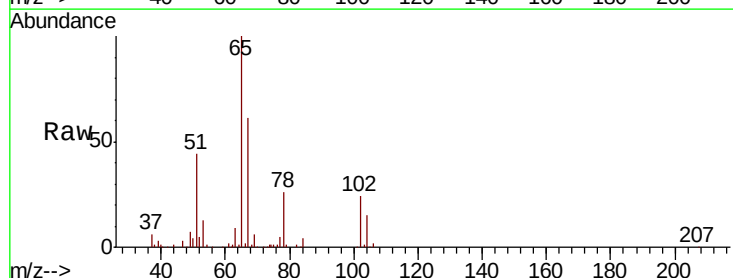
RT: 8.17 min Scan# 1055

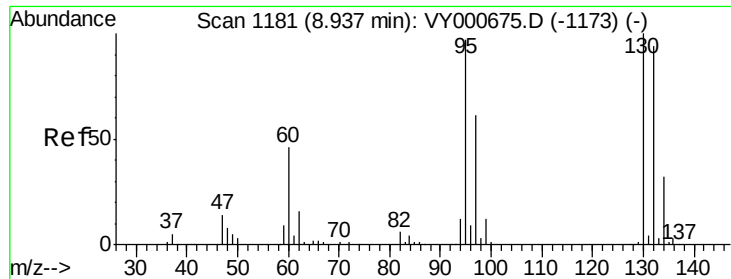
Delta R.T. 0.01 min

Lab File: VY000685.D

Acq: 14 Nov 2019 20:49

Tgt Ion: 78 Resp: 18202





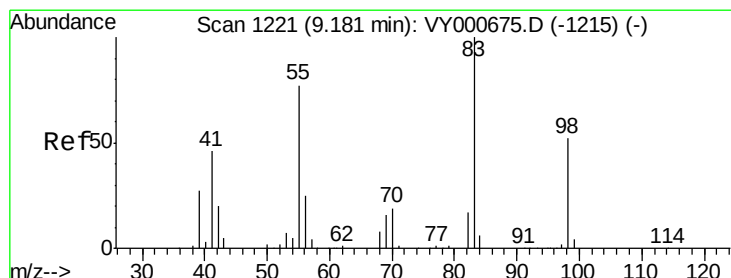
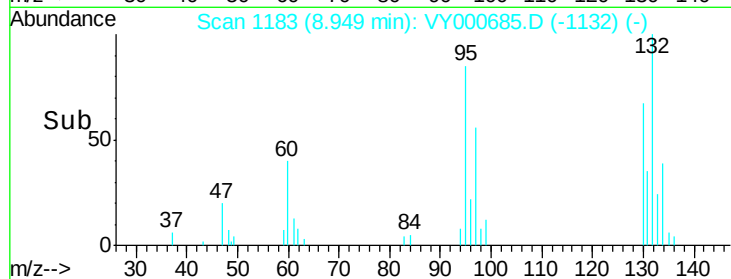
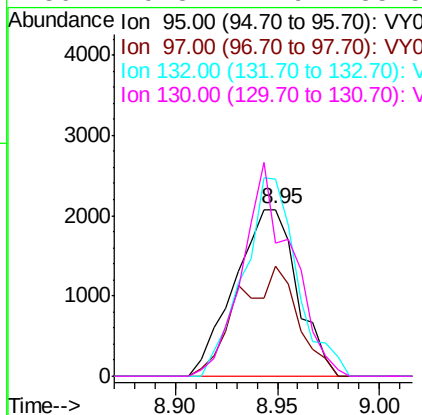
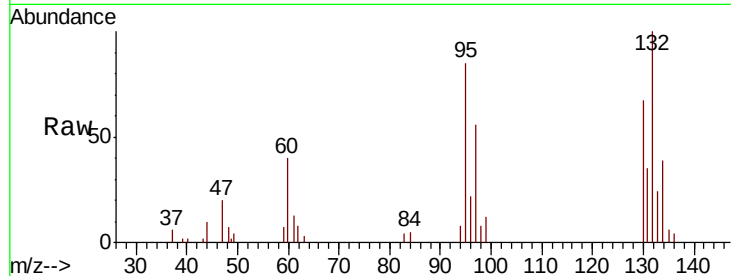
#34
 Trichloroethene
 Concen: 2.173 ug/L
 RT: 8.95 min Scan# 1183
 Delta R.T. 0.01 min
 Lab File: VY000685.D
 Acq: 14 Nov 2019 20:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL6

Tot Ion	Ion	Ratio	Resp:	Lower	Upper
95	100		4415		
97	65.8		43.8	81.3	
132	118.2		67.8	126.0	
130	79.8		71.9	133.5	

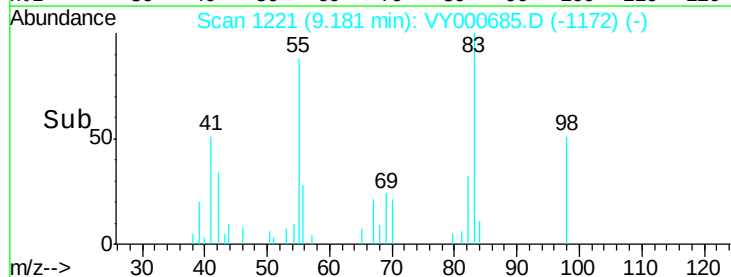
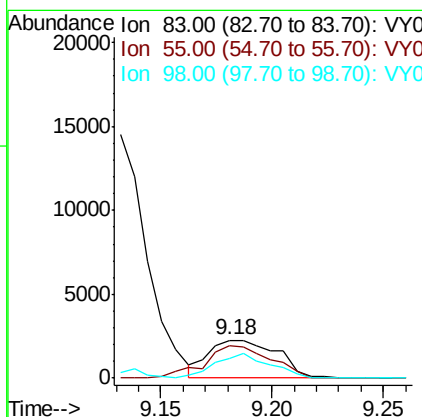
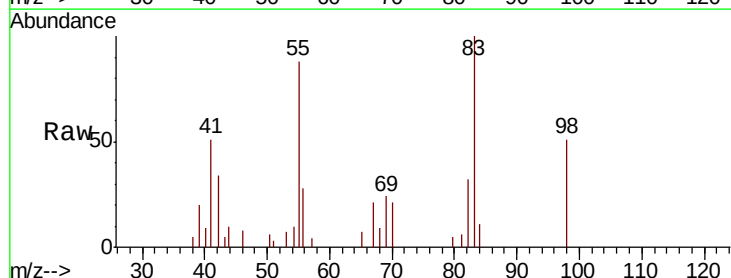
Manual Integrations
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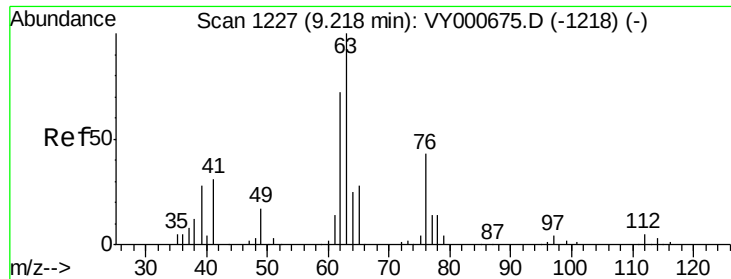
MMDadoda
 11/15/2019 3:05:21 PM



#35
 Methylcyclohexane
 Concen: 1.446 ug/L
 RT: 9.18 min Scan# 1221
 Delta R.T. -0.00 min
 Lab File: VY000685.D
 Acq: 14 Nov 2019 20:49

Tgt Ion	Ion	Ratio	Resp:	Lower	Upper
83	100		4848		
55	70.3		60.4	90.6	
98	51.6		40.3	60.5	





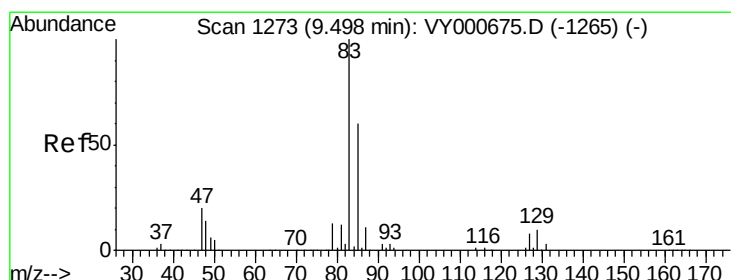
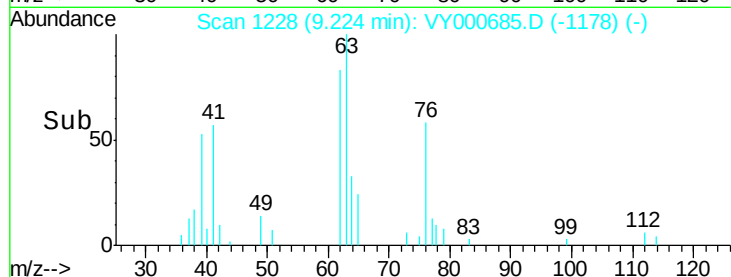
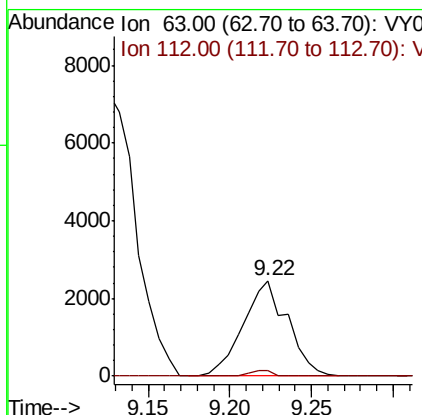
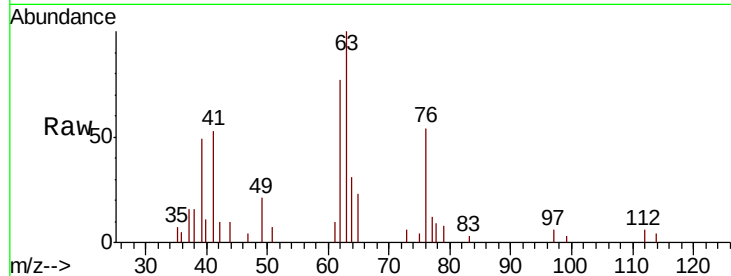
#37
 1,2-Dichloropropane
 Concen: 2.315 ug/L
 RT: 9.22 min Scan# 1228
 Delta R.T. 0.01 min
 Lab File: VY000685.D
 Acq: 14 Nov 2019 20:49

Instrument :
 MSVOA_Y
 ClientSampled :
 MDL6

Tot Ion: 63 Resp: 4645
 Ion Ratio Lower Upper
 63 100
 112 2.8 3.8 5.6#

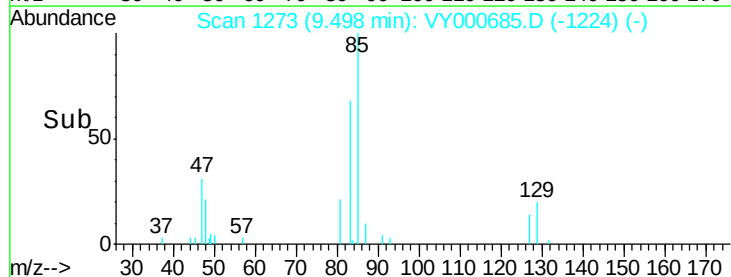
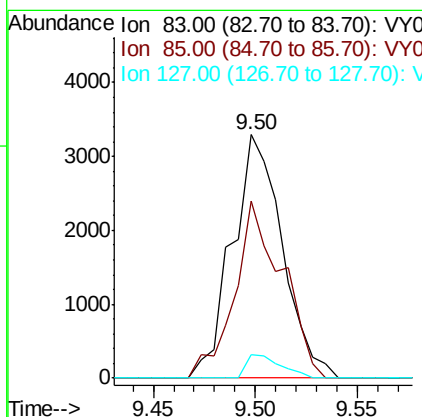
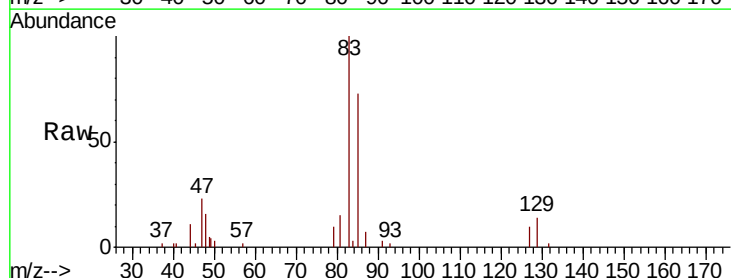
Manual Integrations
 APPROVED

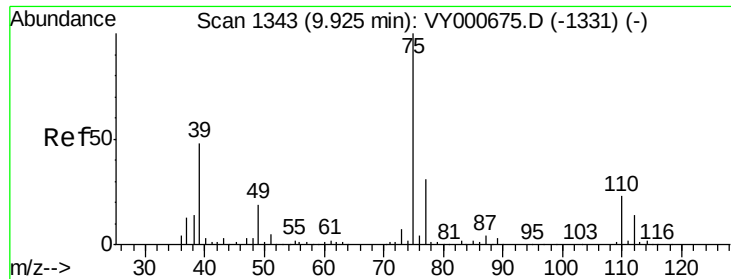
MMDadoda
 11/15/2019 3:05:21 PM



#38
 Bromodichloromethane
 Concen: 2.087 ug/L
 RT: 9.50 min Scan# 1273
 Delta R.T. -0.00 min
 Lab File: VY000685.D
 Acq: 14 Nov 2019 20:49

Tgt Ion: 83 Resp: 5626
 Ion Ratio Lower Upper
 83 100
 85 72.9 42.2 78.4
 127 9.9 6.4 9.6#





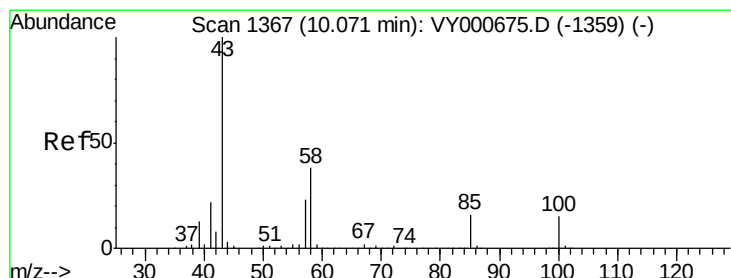
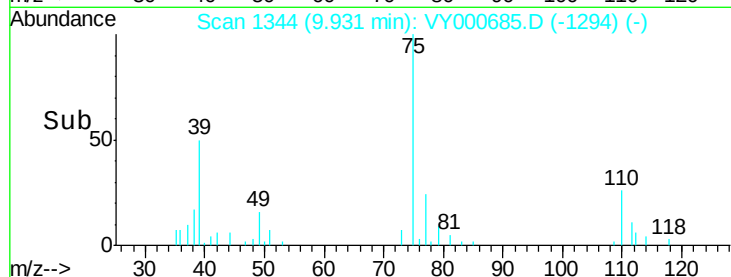
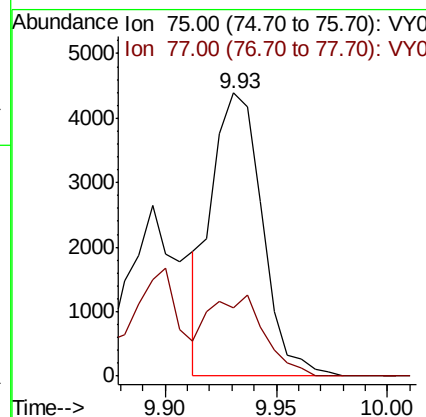
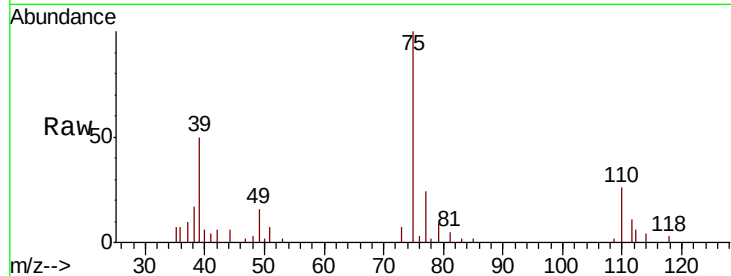
#39
 cis-1,3-Dichloropropene
 Concen: 2.028 ug/L
 RT: 9.93 min Scan# 1344
 Delta R.T. 0.01 min
 Lab File: VY000685.D
 Acq: 14 Nov 2019 20:49

Instrument :
 MSVOA_Y
 ClientSampleID :
 MDL6

Tot Ion: 75 Resp: 6915
 Ion Ratio Lower Upper
 75 100
 77 24.3 21.7 40.3

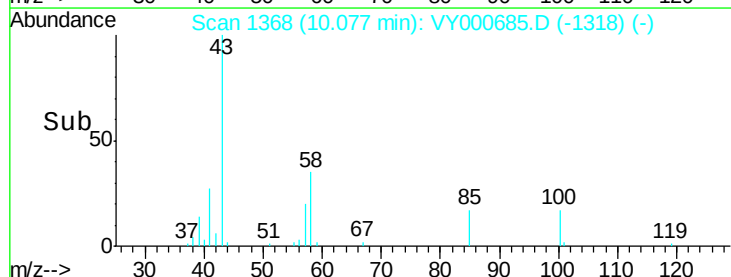
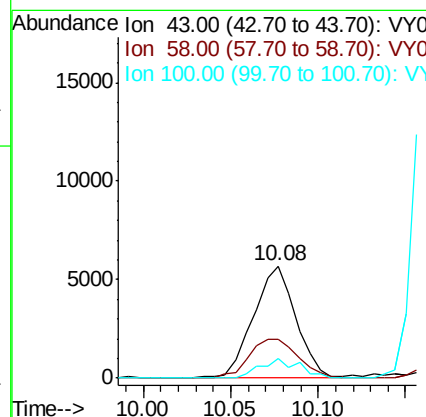
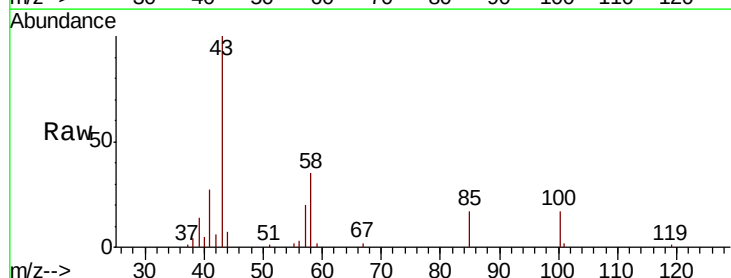
Manual Integrations
 APPROVED

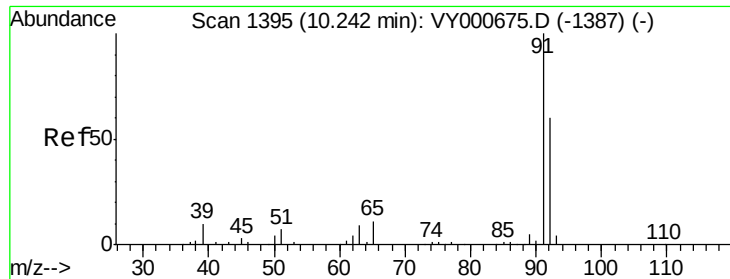
MMDadoda
 11/15/2019 3:05:21 PM



#40
 4-Methyl-2-pentanone
 Concen: 4.181 ug/L
 RT: 10.08 min Scan# 1368
 Delta R.T. 0.01 min
 Lab File: VY000685.D
 Acq: 14 Nov 2019 20:49

Tgt Ion: 43 Resp: 9624
 Ion Ratio Lower Upper
 43 100
 58 39.9 30.2 45.2
 100 16.0 12.2 18.2





#42

Toluene

Concen: 1.978 ug/L

RT: 10.24 min Scan# 1395

Delta R.T. -0.00 min

Lab File: VY000685.D

Acq: 14 Nov 2019 20:49

Instrument :

MSVOA_Y

ClientSampled :

MDL6

Tot Ion: 91 Resp: 16936

Ion Ratio Lower Upper

91 100

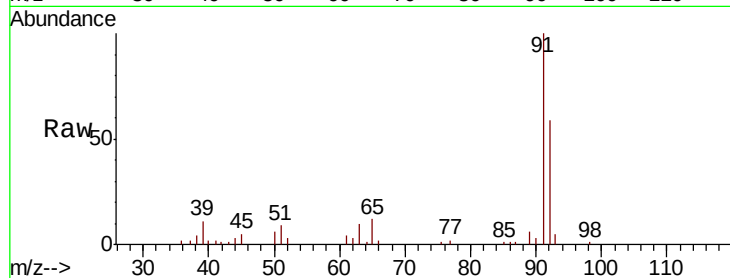
92 58.6 42.2 78.4

Manual Integrations

APPROVED

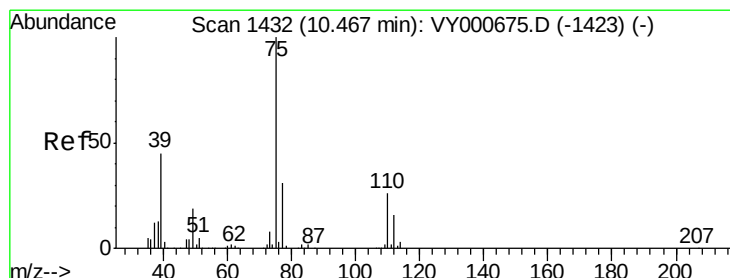
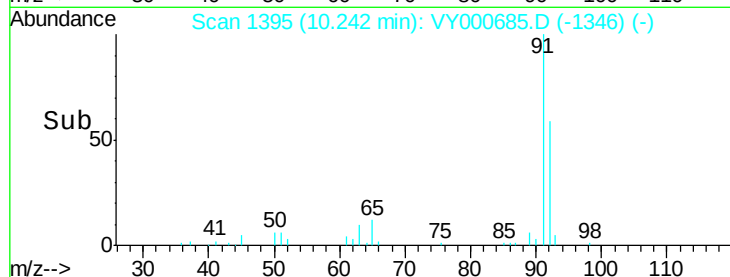
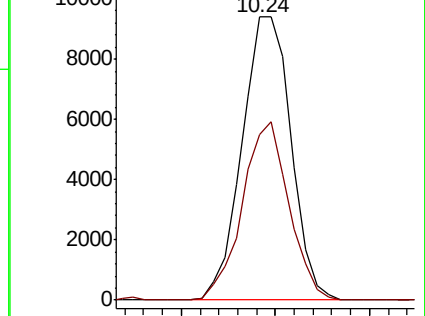
MMDadoda

11/15/2019 3:05:21 PM



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 92.00 (91.70 to 92.70): VY0



#44

trans-1,3-Dichloropropene

Concen: 2.199 ug/L

RT: 10.46 min Scan# 1431

Delta R.T. -0.01 min

Lab File: VY000685.D

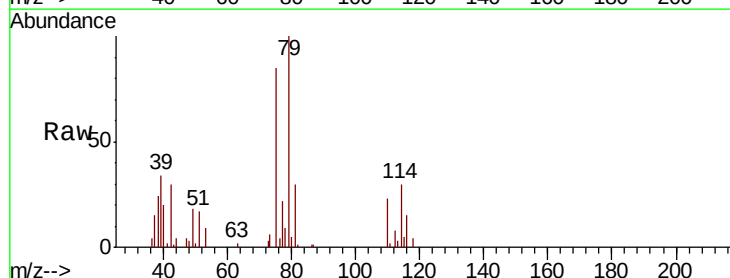
Acq: 14 Nov 2019 20:49

Tgt Ion: 75 Resp: 6565

Ion Ratio Lower Upper

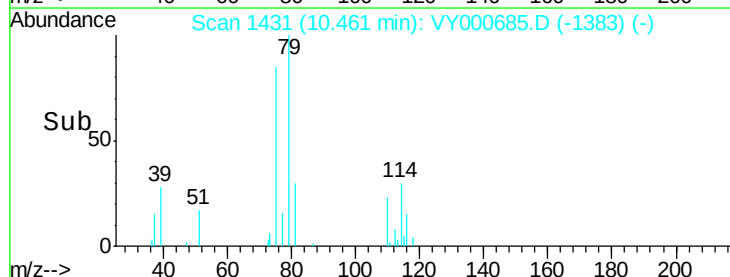
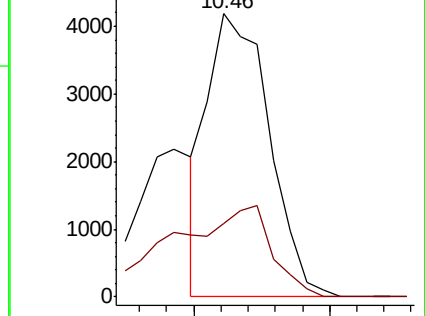
75 100

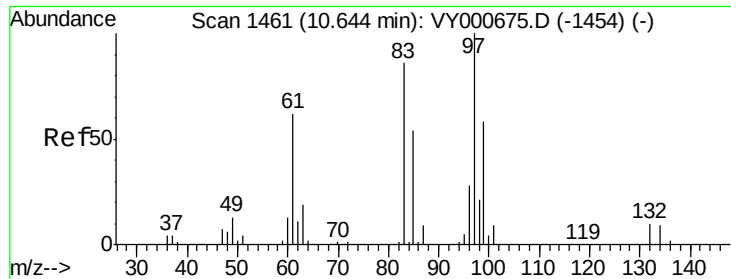
77 25.7 22.0 41.0



Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 77.00 (76.70 to 77.70): VY0





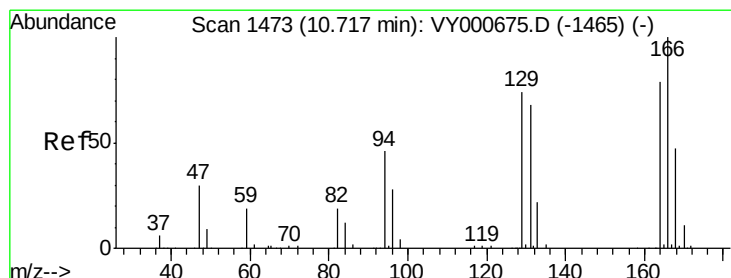
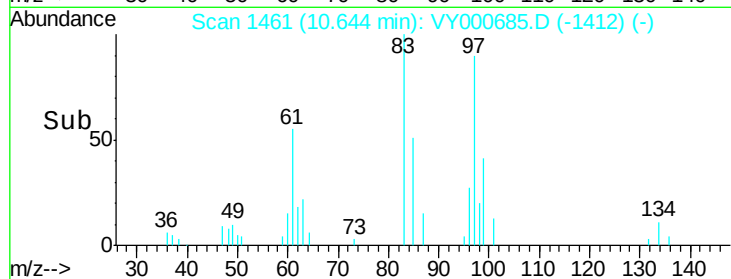
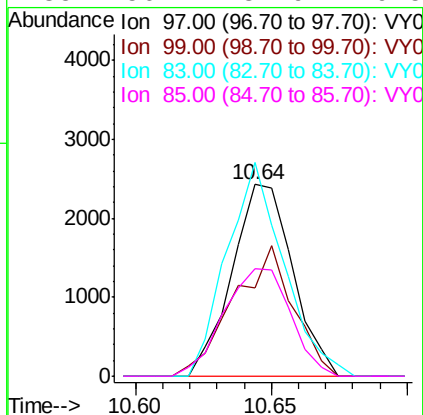
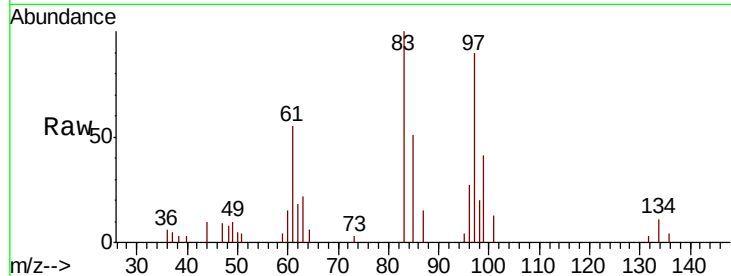
#45
1,1,2-Trichloroethane
Concen: 1.975 ug/L
RT: 10.64 min Scan# 1461
Delta R.T. -0.00 min
Lab File: VY000685.D
Acq: 14 Nov 2019 20:49

Instrument :
MSVOA_Y
ClientSampleId :
MDL6

Tot Ion	Ratio	Lower	Upper
97	100		
99	46.1	40.6	75.4
83	111.4	60.0	111.4#
85	56.4	37.9	70.5

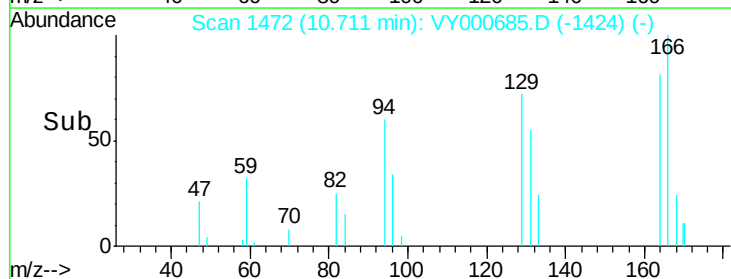
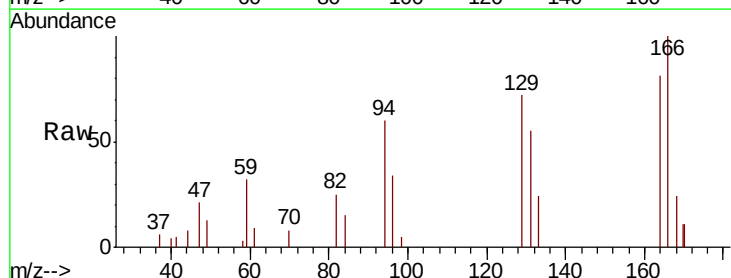
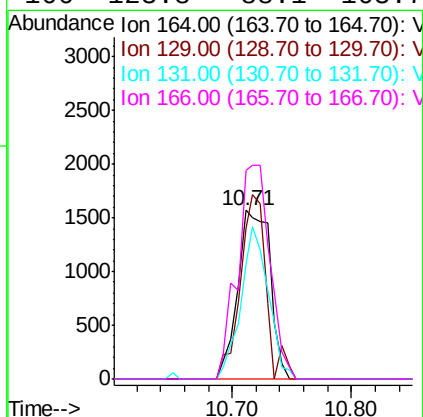
Manual Integrations
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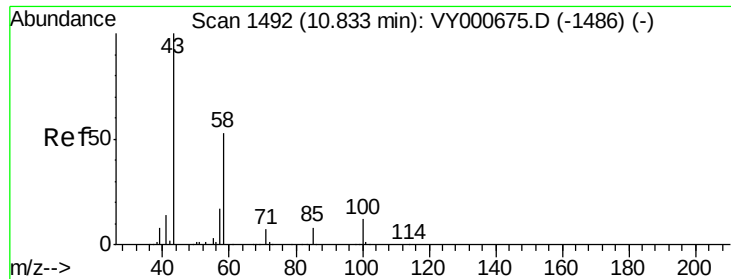
MMDadoda
11/15/2019 3:05:21 PM



#46
Tetrachloroethene
Concen: 1.875 ug/L m
RT: 10.71 min Scan# 1472
Delta R.T. -0.01 min
Lab File: VY000685.D
Acq: 14 Nov 2019 20:49

Tgt Ion	Ratio	Lower	Upper
164	100		
129	89.4	65.5	121.7
131	68.3	60.1	111.7
166	123.8	88.1	163.7





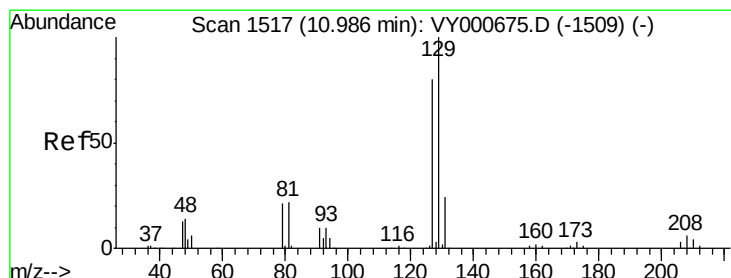
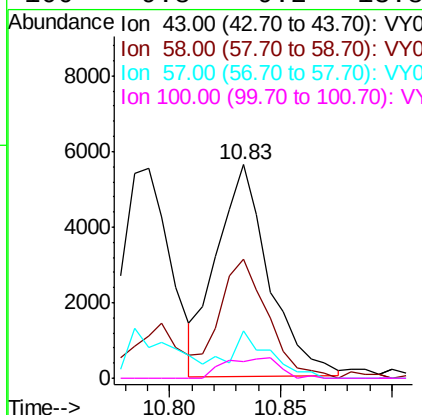
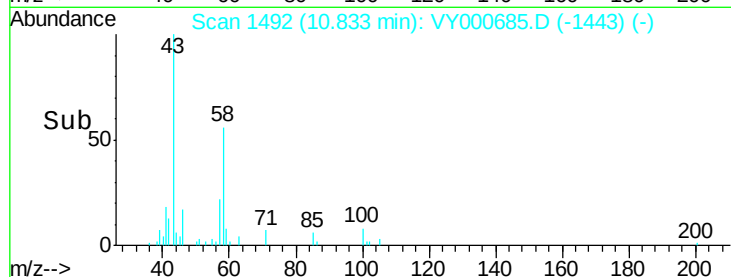
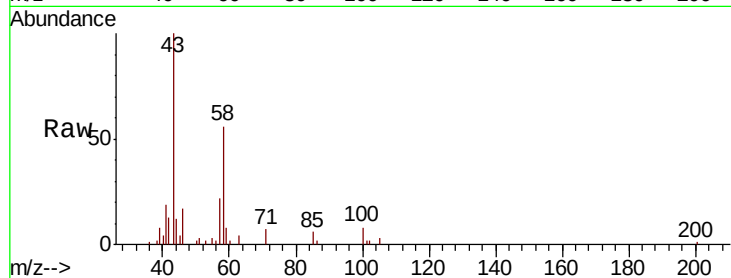
#48
2-Hexanone
Concen: 5.541 ug/L
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY000685.D
Acq: 14 Nov 2019 20:49

Instrument :
MSVOA_Y
ClientSampled :
MDL6

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.2	42.3	63.5
57	13.8	13.8	20.6
100	9.8	9.2	13.8

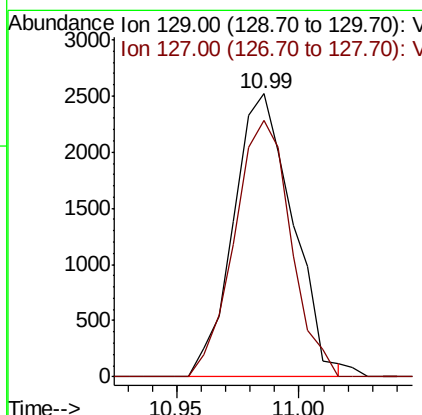
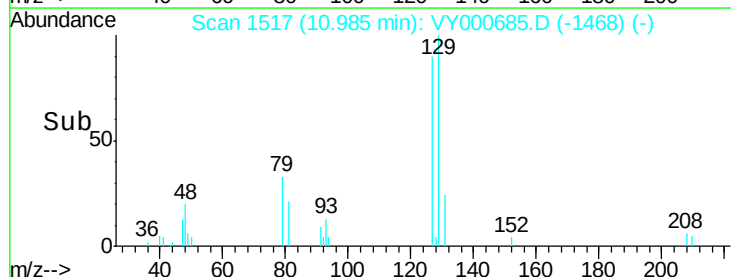
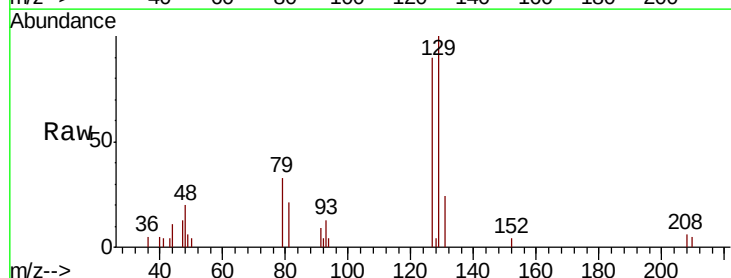
Manual Integrations
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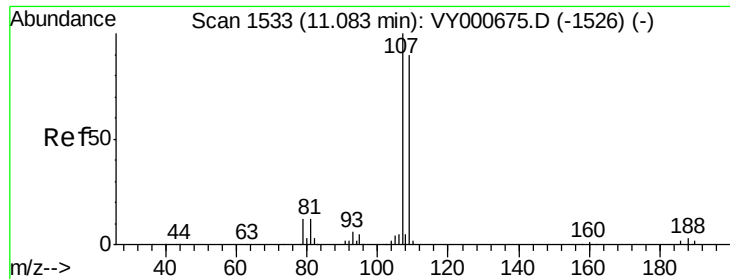
MMDadoda
11/15/2019 3:05:21 PM



#49
Dibromochloromethane
Concen: 2.061 ug/L
RT: 10.99 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY000685.D
Acq: 14 Nov 2019 20:49

Tgt Ion	Ratio	Lower	Upper
129	100		
127	90.5	55.9	103.7





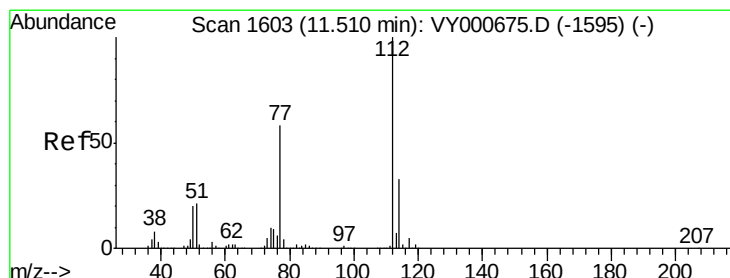
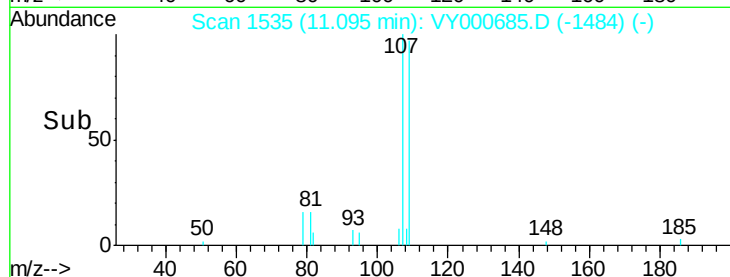
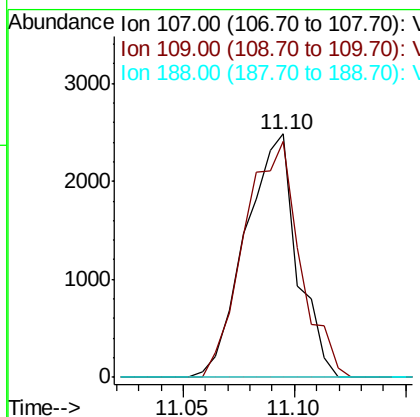
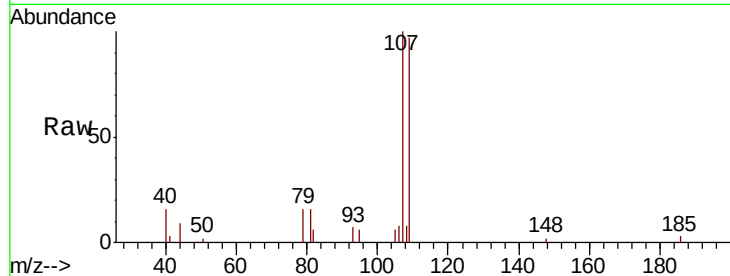
#50
1,2-Dibromoethane
Concen: 2.104 ug/L
RT: 11.10 min Scan# 1535
Delta R.T. 0.01 min
Lab File: VY000685.D
Acq: 14 Nov 2019 20:49

Instrument :
MSVOA_Y
ClientSampleId :
MDL6

Tot Ion	Ratio	Lower	Upper
107	100		
109	97.0	62.9	116.9
188	0.0	2.4	3.6

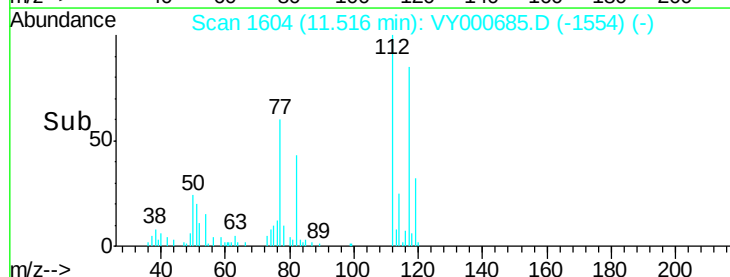
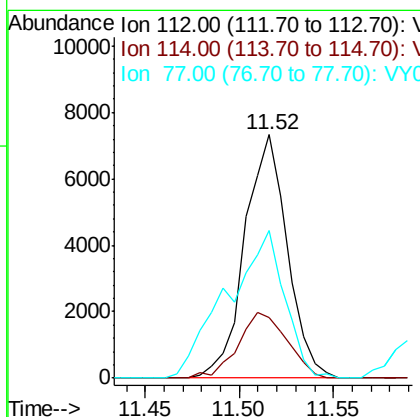
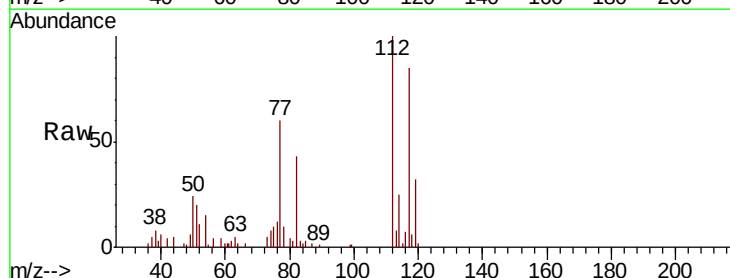
Manual Integrations
APPROVED

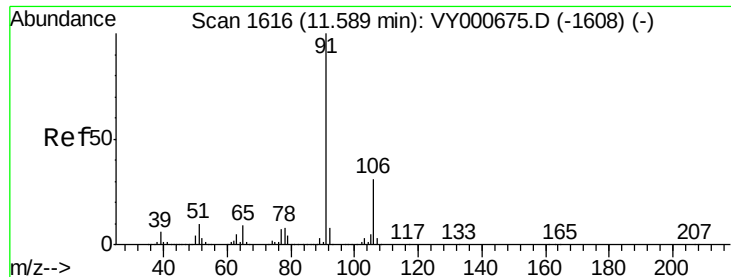
MMDadoda
11/15/2019 3:05:21 PM



#51
Chlorobenzene
Concen: 2.078 ug/L
RT: 11.52 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VY000685.D
Acq: 14 Nov 2019 20:49

Tgt Ion	Ratio	Lower	Upper
112	100		
114	24.7	23.3	43.3
77	60.4	46.5	69.7





#52

Ethylbenzene

Concen: 1.805 ug/L

RT: 11.60 min Scan# 1617

Delta R.T. 0.01 min

Lab File: VY000685.D

Acq: 14 Nov 2019 20:49

Instrument :

MSVOA_Y

ClientSampleId :

MDL6

Tot Ion: 91 Resp: 17636

Ion Ratio Lower Upper

91 100

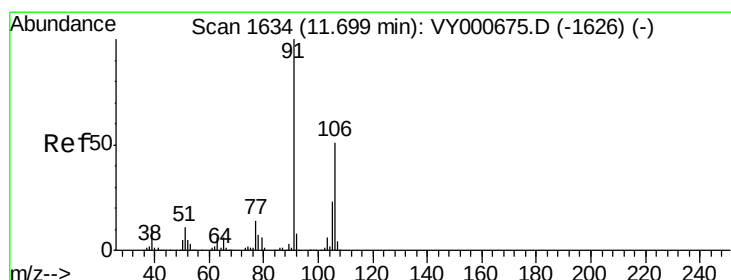
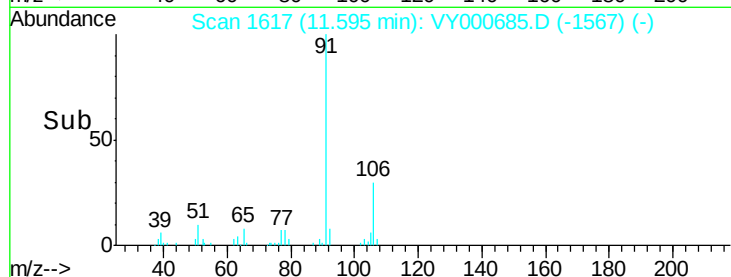
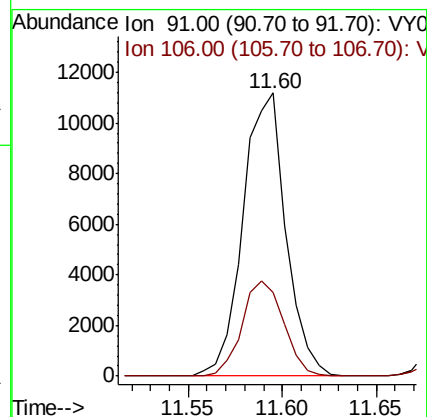
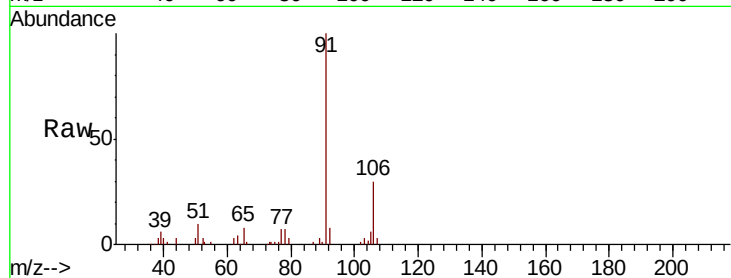
106 29.6 21.8 40.6

Manual Integrations

APPROVED

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#53

m,p-Xylene

Concen: 1.771 ug/L

RT: 11.70 min Scan# 1635

Delta R.T. 0.01 min

Lab File: VY000685.D

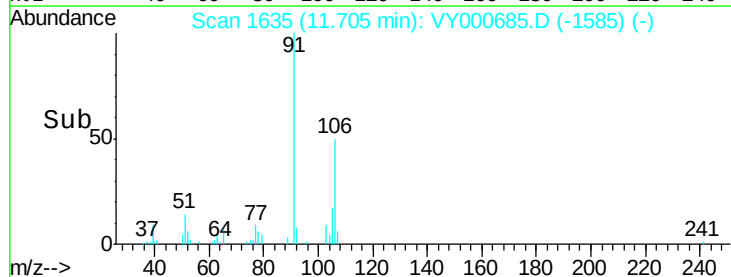
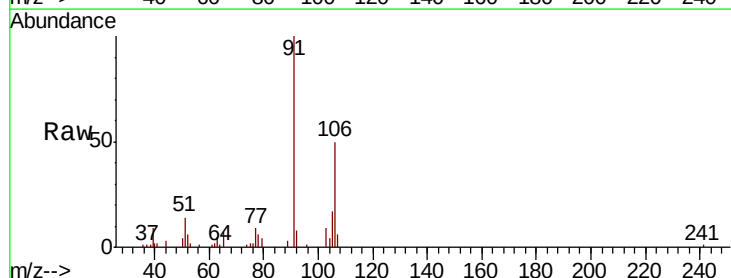
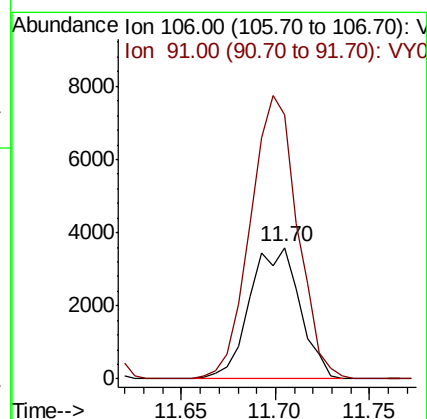
Acq: 14 Nov 2019 20:49

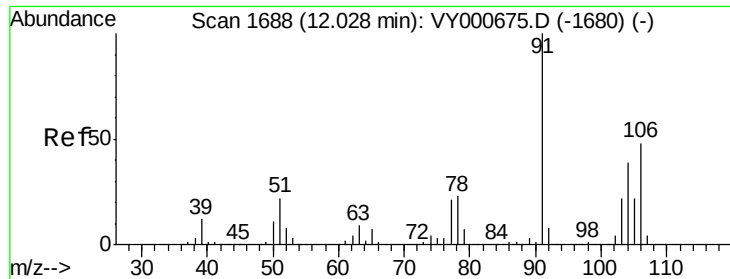
Tgt Ion: 106 Resp: 6655

Ion Ratio Lower Upper

106 100

91 201.1 137.6 255.6





#54

o-xylene

Concen: 1.781 ug/L

RT: 12.03 min Scan# 1688

Delta R.T. -0.00 min

Lab File: VY000685.D

Acq: 14 Nov 2019 20:49

Instrument :

MSVOA_Y

ClientSampled :

MDL6

Tot Ion:106 Resp: 6562

Ion Ratio Lower Upper

106 100

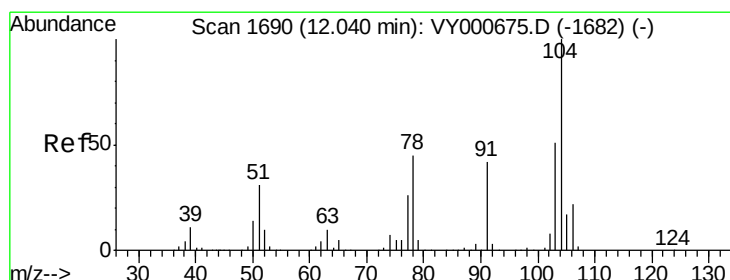
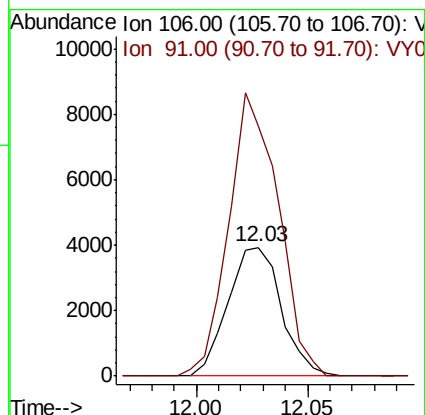
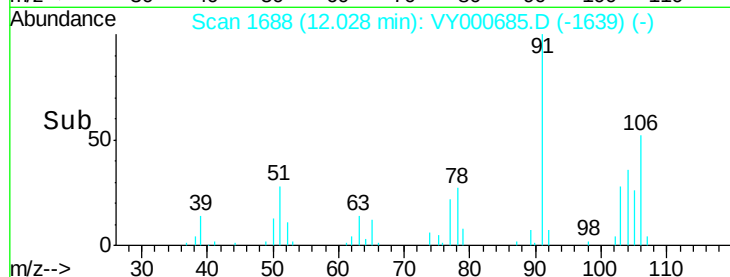
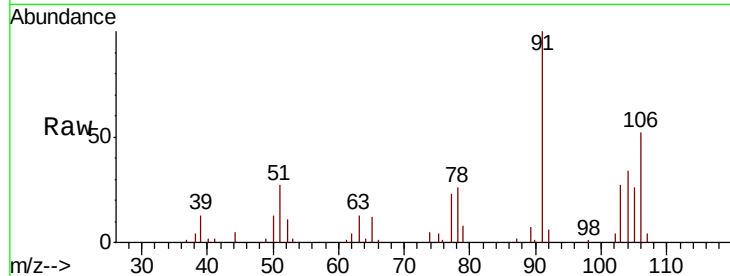
91 193.9 145.9 270.9

Manual Integrations

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11/15/2019 3:05:21 PM



#55

Styrene

Concen: 1.808 ug/L

RT: 12.04 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VY000685.D

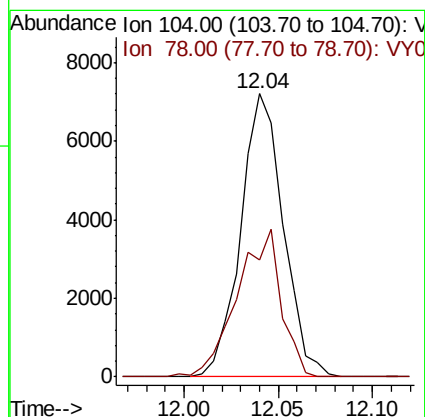
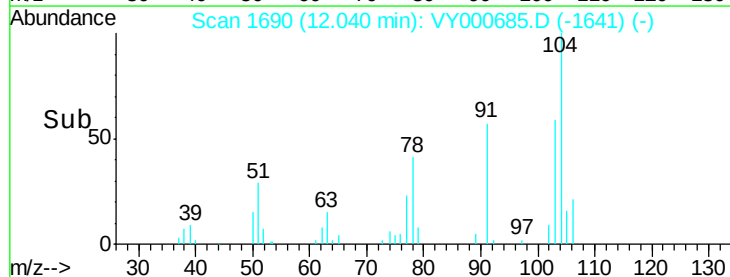
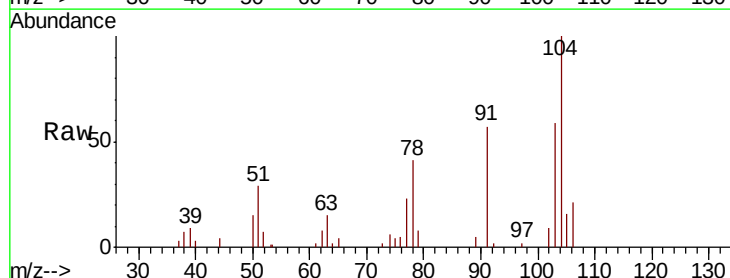
Acq: 14 Nov 2019 20:49

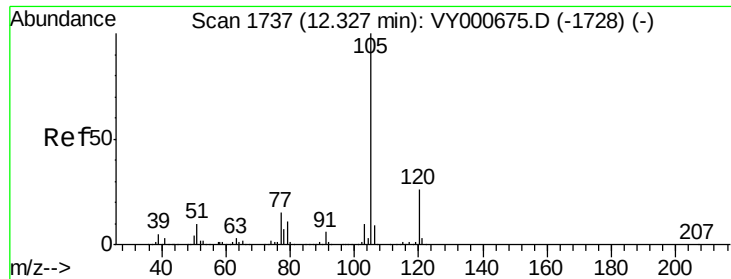
Tgt Ion:104 Resp: 11320

Ion Ratio Lower Upper

104 100

78 41.2 31.4 58.4





#56

Isopropylbenzene

Concen: 1.582 ug/L

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY000685.D

Acq: 14 Nov 2019 20:49

Instrument :

MSVOA_Y

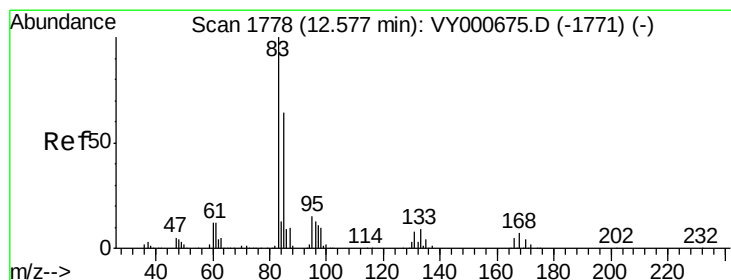
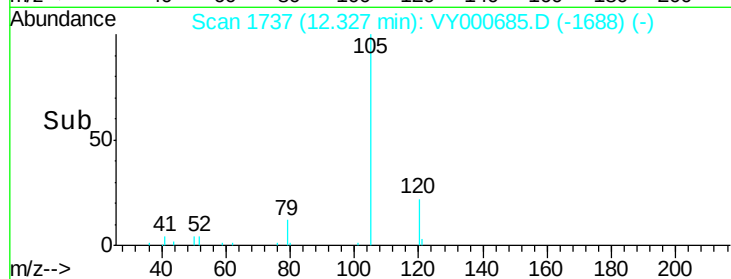
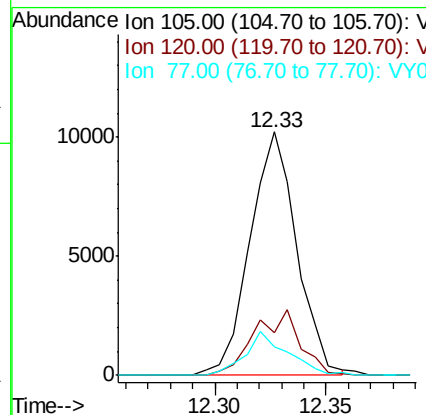
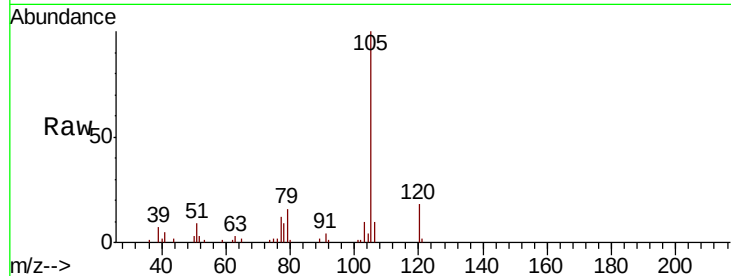
ClientSampleId :

MDL6

Tot Ion:	105	Resp:	14922
Ion Ratio	Lower	Upper	
105	100		
120	26.8	21.4	32.2
77	16.5	12.9	19.3

Manual Integrations
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11/15/2019 3:05:21 PM



#58

1,1,2,2-Tetrachloroethane

Concen: 2.381 ug/L

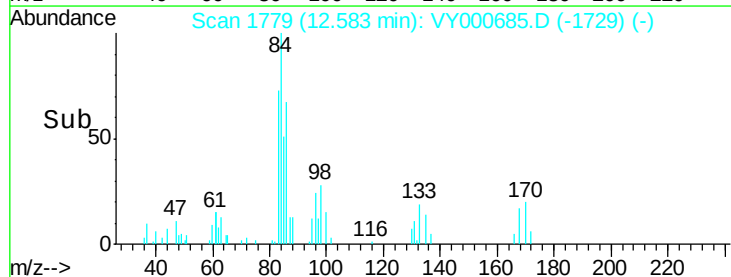
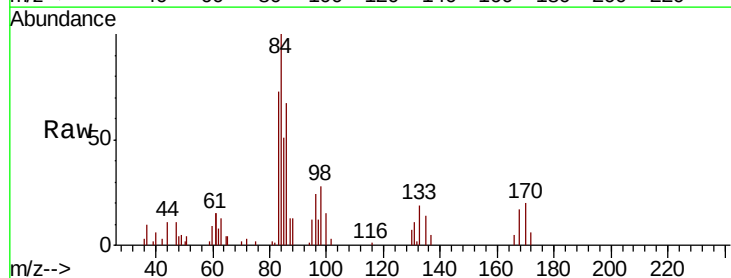
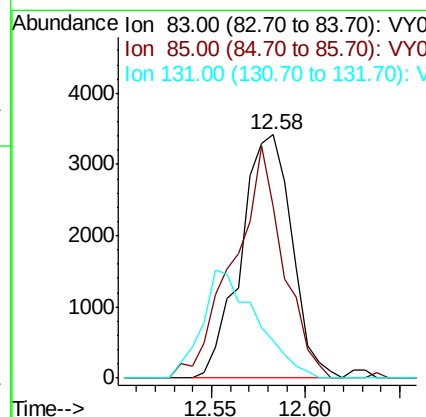
RT: 12.58 min Scan# 1779

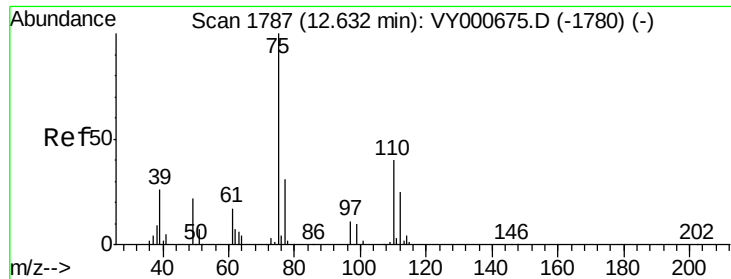
Delta R.T. 0.01 min

Lab File: VY000685.D

Acq: 14 Nov 2019 20:49

Tgt Ion:	83	Resp:	6412
Ion Ratio	Lower	Upper	
83	100		
85	70.8	45.0	83.6
131	15.4	6.6	9.8#





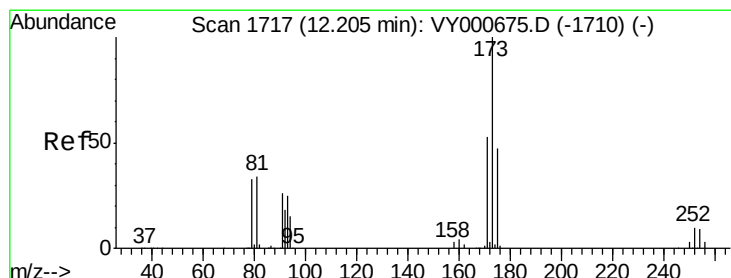
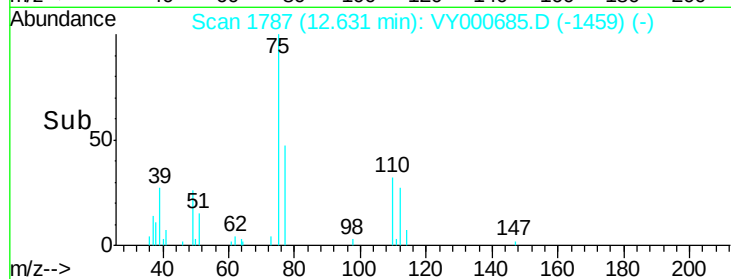
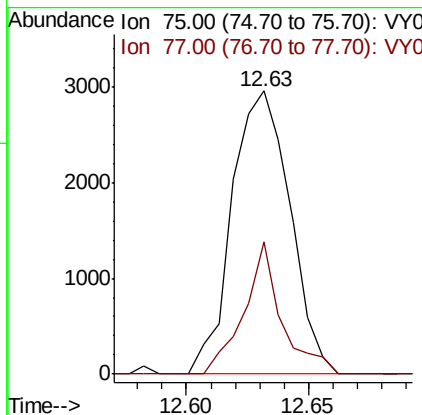
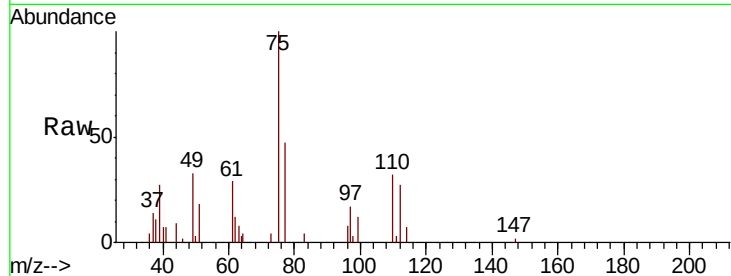
#59
 1,2,3-Trichloropropane
 Concen: 2.292 ug/L
 RT: 12.63 min Scan# 1787
 Delta R.T. -0.00 min
 Lab File: VY000685.D
 Acq: 14 Nov 2019 20:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL6

Tot Ion: 75 Resp: 4884
 Ion Ratio Lower Upper
 75 100
 77 30.2 25.5 38.3

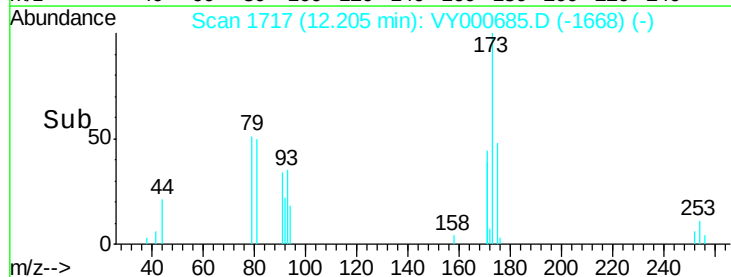
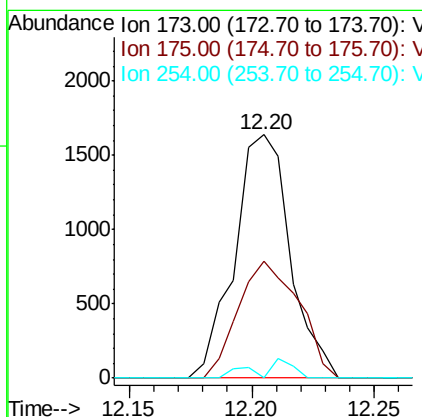
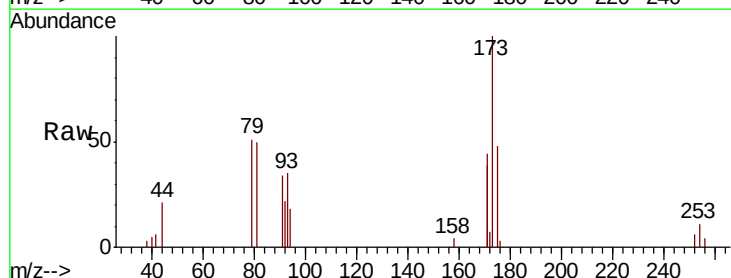
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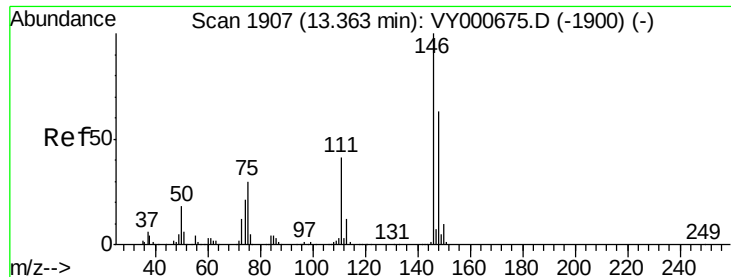
MMDadoda
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#61
 Bromoform
 Concen: 2.070 ug/L
 RT: 12.20 min Scan# 1717
 Delta R.T. -0.00 min
 Lab File: VY000685.D
 Acq: 14 Nov 2019 20:49

Tgt Ion: 173 Resp: 2603
 Ion Ratio Lower Upper
 173 100
 175 52.4 36.6 55.0
 254 3.0 7.4 11.2#





#62

1,3-Dichlorobenzene

Concen: 1.937 ug/L

RT: 13.36 min Scan# 1907

Delta R.T. -0.00 min

Lab File: VY000685.D

Acq: 14 Nov 2019 20:49

Instrument :

MSVOA_Y

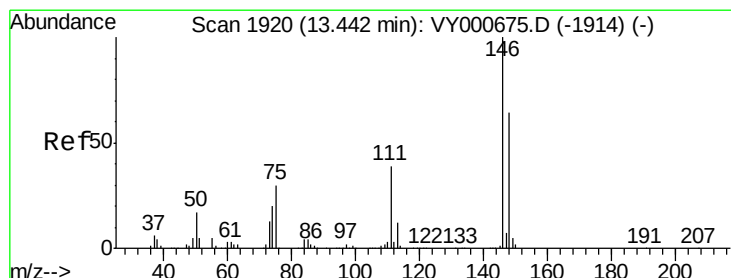
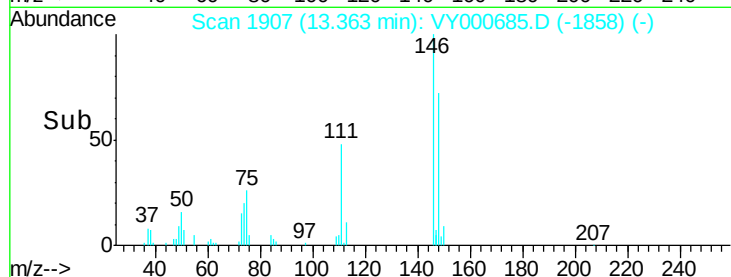
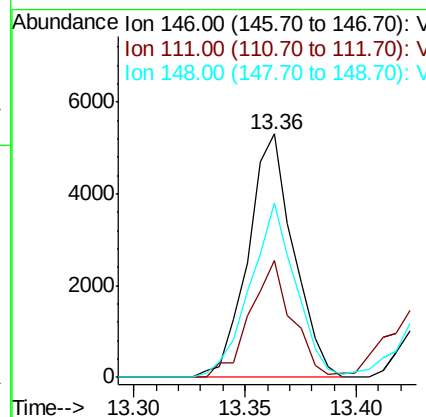
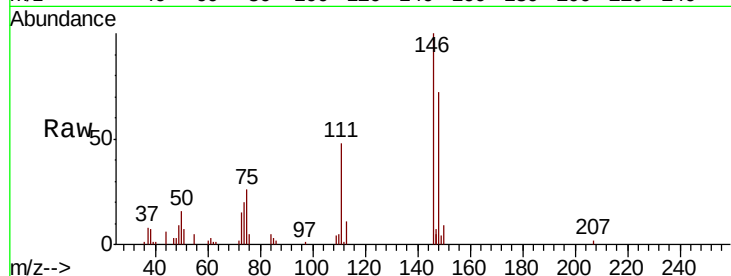
ClientSampled :

MDL6

Tot Ion:	146	Resp:	7546
Ion	Ratio	Lower	Upper
146	100		
111	48.0	28.4	52.8
148	71.6	44.1	81.9

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#63

1,4-Dichlorobenzene

Concen: 2.190 ug/L

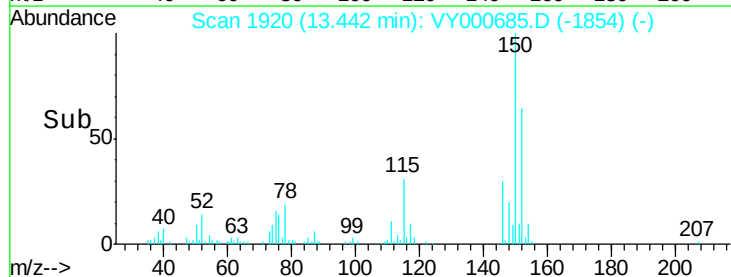
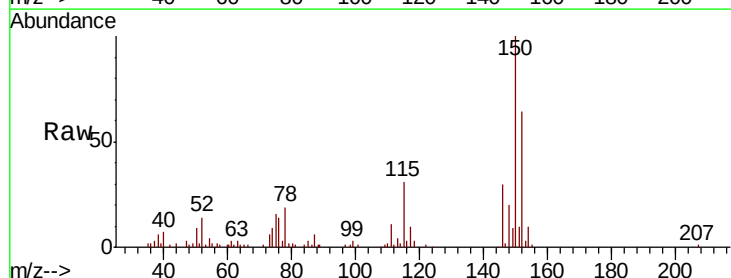
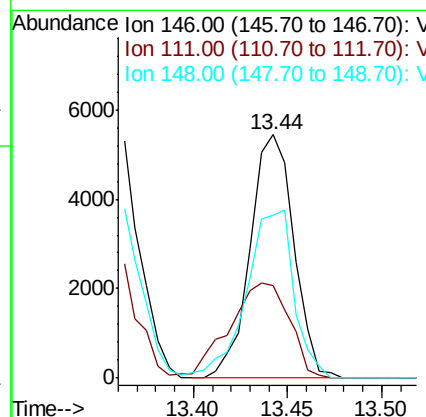
RT: 13.44 min Scan# 1920

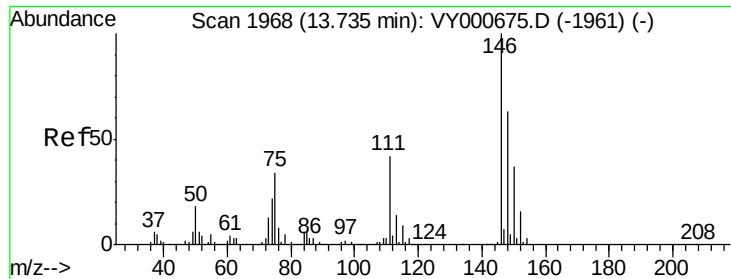
Delta R.T. -0.00 min

Lab File: VY000685.D

Acq: 14 Nov 2019 20:49

Tgt Ion:	146	Resp:	8740
Ion	Ratio	Lower	Upper
146	100		
111	38.2	27.4	51.0
148	67.1	45.2	84.0





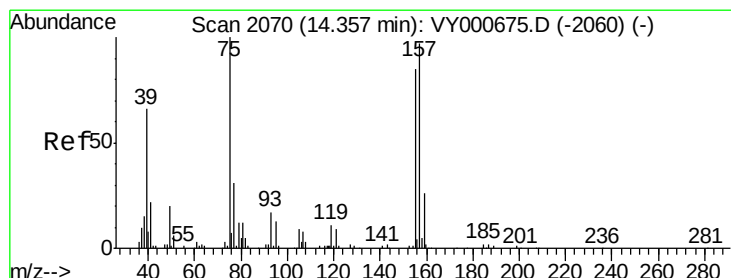
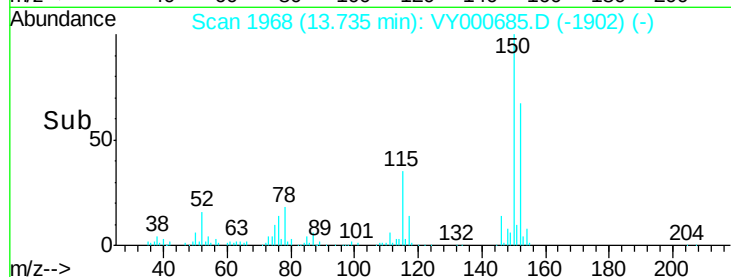
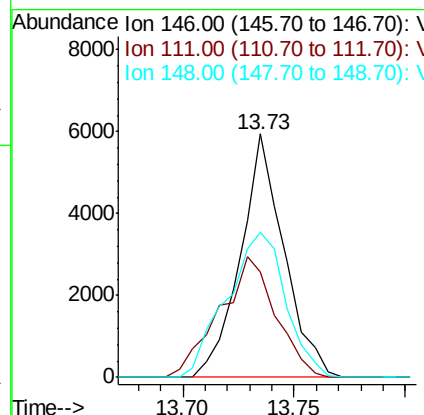
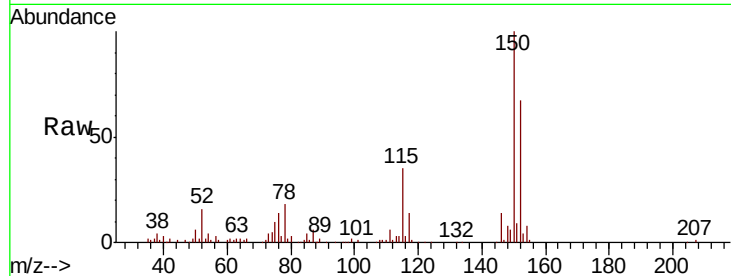
#65
 1,2-Dichlorobenzene
 Concen: 2.118 ug/L
 RT: 13.73 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VY000685.D
 Acq: 14 Nov 2019 20:49

Instrument :
 MSVOA_Y
 ClientSampled :
 MDL6

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	33.4	50.0
148	59.6	50.8	76.2

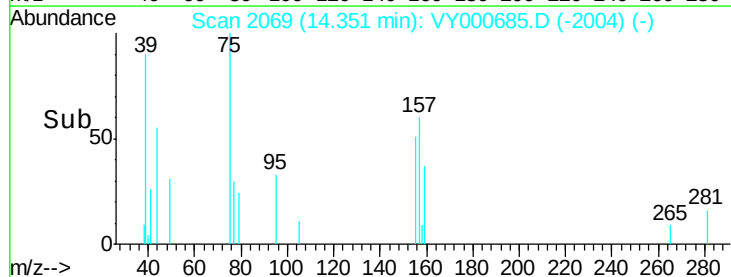
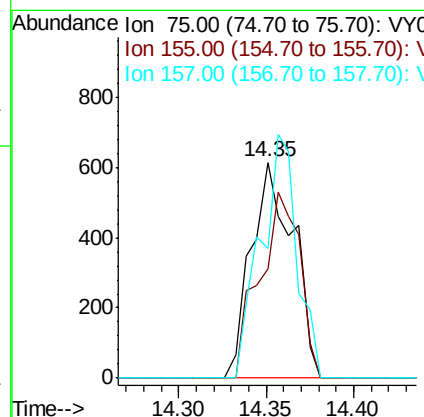
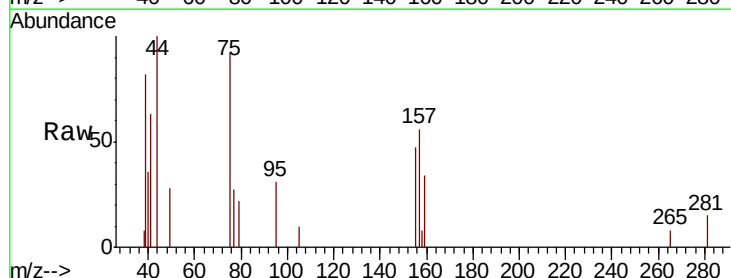
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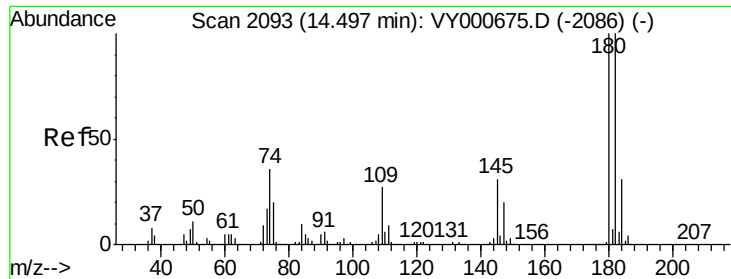
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#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.222 ug/L
 RT: 14.35 min Scan# 2069
 Delta R.T. -0.01 min
 Lab File: VY000685.D
 Acq: 14 Nov 2019 20:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	50.7	67.7	101.5#
157	60.3	77.8	116.8#





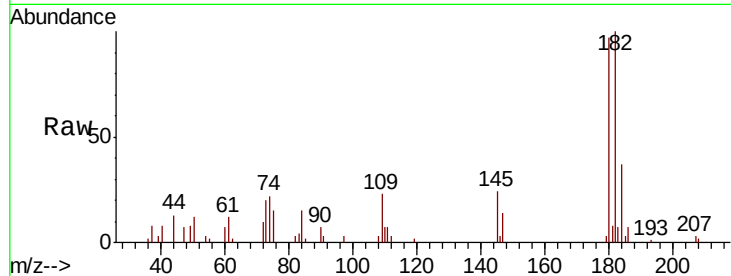
#67
 1,3,5-Trichlorobenzene
 Concen: 1.836 ug/L
 RT: 14.50 min Scan# 2094
 Delta R.T. 0.01 min
 Lab File: VY000685.D
 Acq: 14 Nov 2019 20:49

Instrument :
 MSVOA_Y
 ClientSampled :
 MDL6

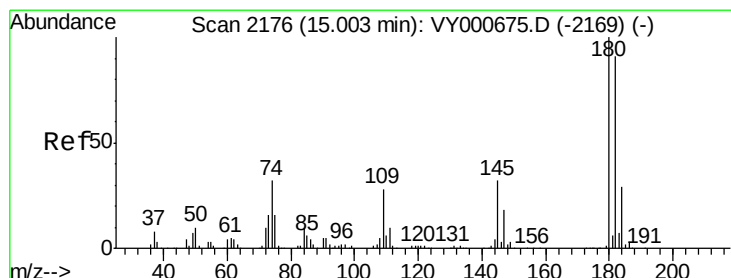
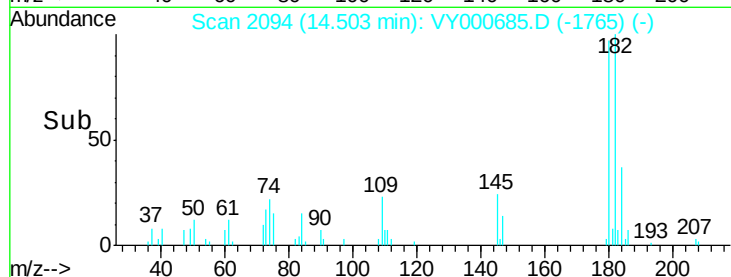
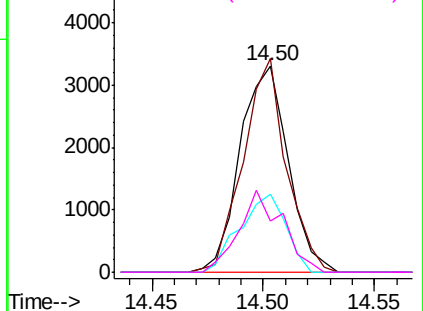
Tot Ion:	180	Resp:	4991
Ion Ratio	Lower	Upper	
180	100		
182	92.0	77.8	116.6
184	36.4	25.2	37.8
145	35.6	24.9	37.3

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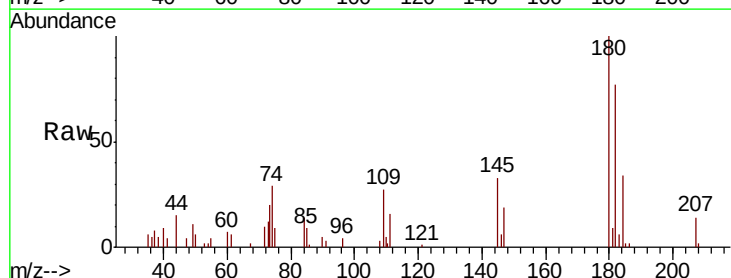


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

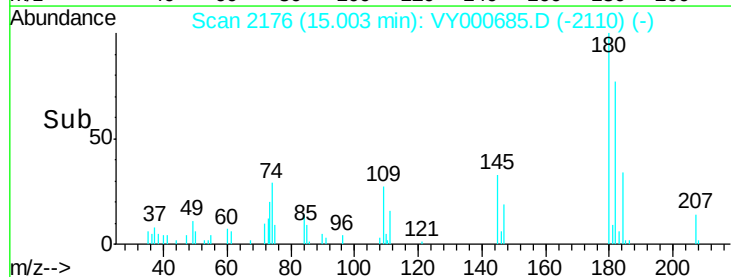
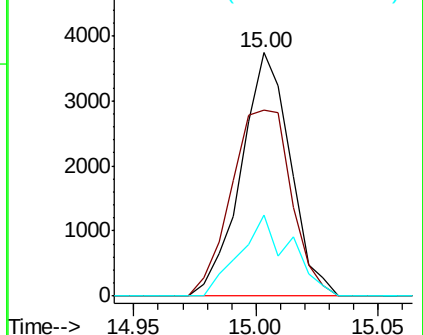


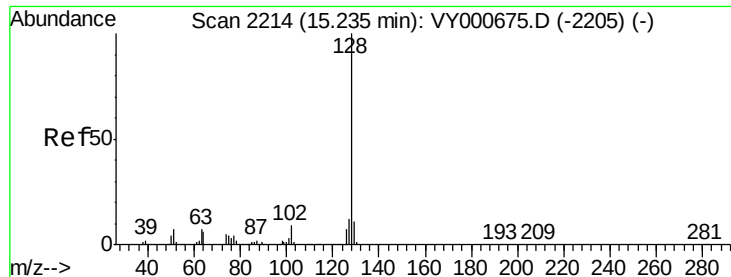
#68
 1,2,4-trichlorobenzene
 Concen: 2.053 ug/L
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VY000685.D
 Acq: 14 Nov 2019 20:49

Tgt Ion:	180	Resp:	5236
Ion Ratio	Lower	Upper	
180	100		
182	93.2	75.5	113.3
145	34.8	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





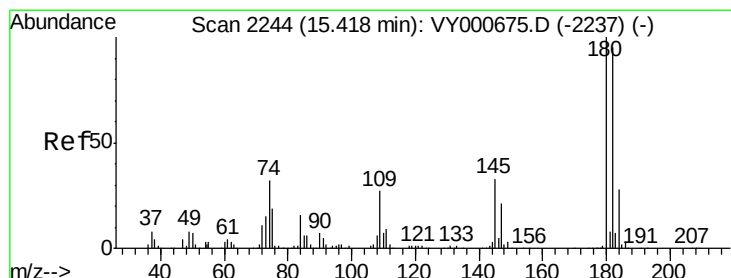
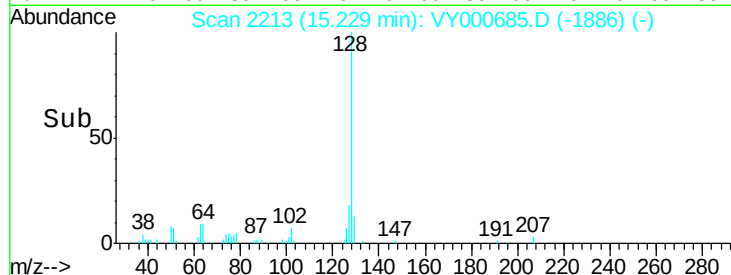
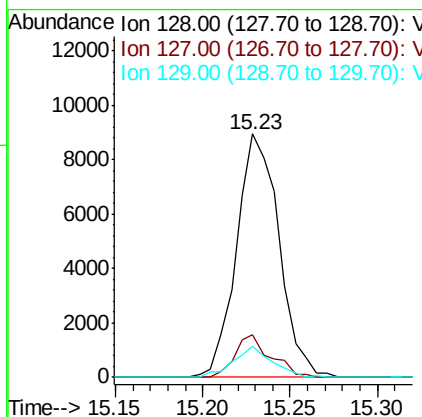
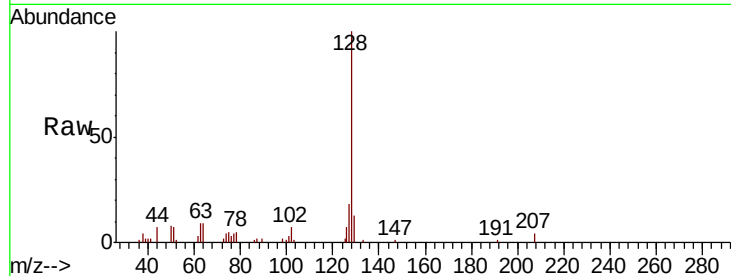
#69
Naphthalene
Concen: 1.988 ug/L
RT: 15.23 min Scan# 2213
Delta R.T. -0.01 min
Lab File: VY000685.D
Acq: 14 Nov 2019 20:49

Instrument :
MSVOA_Y
ClientSampleId :
MDL6

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.7	10.1	15.1
129	11.4	8.7	13.1

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#70
1,2,3-Trichlorobenzene
Concen: 2.086 ug/L
RT: 15.42 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VY000685.D
Acq: 14 Nov 2019 20:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.1	75.3	112.9
145	33.7	25.8	38.8

