

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111419\
 Data File : VY000680.D
 Acq On : 14 Nov 2019 18:58
 Operator : SY/MD
 Sample : MDL1
 Misc : 5ML/MSVOA Y/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL1

Manual Integrations
 APPROVED

MMDadoda
 11/15/2019 3:04:54 PM

Quant Time: Nov 15 10:29:14 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	296384	50.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	270824	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	124315	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	110293	47.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.74%
7) Chloroethane-d5	2.76	69	96310	50.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.36%
11) 1,1-Dichloroethene-d2	3.85	63	154706	38.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.38%
21) 2-Butanone-d5	6.91	46	103964	113.20	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	113.20%
24) Chloroform-d	7.49	84	167624	49.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.92%
26) 1,2-Dichloroethane-d4	8.15	65	123130	52.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.04%
32) Benzene-d6	8.11	84	392756	51.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.72%
36) 1,2-Dichloropropane-d6	9.13	67	123919	53.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.06%
41) Toluene-d8	10.18	98	341278	48.66	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.32%
43) trans-1,3-Dichloropropene-	10.44	79	59718	51.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.16%
47) 2-Hexanone-d5	10.79	63	69574	101.00	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.00%
57) 1,1,2,2-Tetrachloroethane-	12.56	84	136701	49.59	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.18%
64) 1,2-Dichlorobenzene-d4	13.72	152	124387	51.72	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.44%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.90	85	2795	1.651 ug/L #	72
3) Chloromethane	2.12	50	5682	2.524 ug/L	90
5) Vinyl chloride	2.24	62	6015	2.665 ug/L #	55
6) Bromomethane	2.65	94	3020m	2.328 ug/L	
8) Chloroethane	2.79	64	3439	2.428 ug/L	96
9) Trichlorofluoromethane	3.13	101	6588m	1.977 ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.90	101	5068m	2.726 ug/L	
12) 1,1-Dichloroethene	3.87	96	5583	3.001 ug/L #	1
13) Acetone	3.96	43	3787	5.728 ug/L	67
14) Carbon disulfide	4.19	76	13443	2.620 ug/L	99
15) Methyl Acetate	4.48	43	3925m	2.362 ug/L	
16) Methylene chloride	4.71	84	5383m	2.706 ug/L	
17) trans-1,2-Dichloroethene	5.21	96	4645	2.391 ug/L	91
18) Methyl tert-butyl Ether	5.23	73	12479m	2.134 ug/L	
19) 1,1-Dichloroethane	6.02	63	7865	2.252 ug/L #	92
20) cis-1,2-Dichloroethene	7.00	96	5726	2.630 ug/L	90
22) 2-Butanone	7.01	43	5245	5.041 ug/L	78

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.35	128	2199	2.191	ug/L #	73
25) Chloroform	7.52	83	28873	7.222	ug/L	87
27) 1,2-Dichloroethane	8.24	62	5946	2.178	ug/L #	93
29) Cyclohexane	7.78	56	5159	1.632	ug/L #	27
30) 1,1,1-Trichloroethane	7.71	97	6573	2.222	ug/L	94
31) Carbon tetrachloride	7.91	117	5089	1.921	ug/L	94
33) Benzene	8.16	78	18699	2.318	ug/L	100
34) Trichloroethene	8.94	95	4521	2.232	ug/L	85
35) Methylcyclohexane	9.18	83	5663	1.693	ug/L	93
37) 1,2-Dichloropropane	9.22	63	4381	2.189	ug/L #	94
38) Bromodichloromethane	9.50	83	6174	2.297	ug/L #	97
39) cis-1,3-Dichloropropene	9.93	75	6688	1.967	ug/L	97
40) 4-Methyl-2-pentanone	10.08	43	9397	4.093	ug/L #	95
42) Toluene	10.25	91	18808	2.203	ug/L	96
44) trans-1,3-Dichloropropene	10.46	75	7645	2.568	ug/L	87
45) 1,1,2-Trichloroethane	10.65	97	4902	2.582	ug/L	94
46) Tetrachloroethene	10.72	164	3306	2.109	ug/L	83
48) 2-Hexanone	10.83	43	8086	4.878	ug/L #	90
49) Dibromochloromethane	10.99	129	4544	2.210	ug/L	98
50) 1,2-Dibromoethane	11.09	107	4487	2.361	ug/L #	90
51) Chlorobenzene	11.51	112	11029	2.005	ug/L	100
52) Ethylbenzene	11.59	91	19016	1.951	ug/L	89
53) m,p-Xylene	11.70	106	8225	2.194	ug/L	75
54) o-xylene	12.02	106	6828	1.858	ug/L	95
55) Styrene	12.04	104	11653	1.866	ug/L	92
56) Isopropylbenzene	12.33	105	16436	1.748	ug/L #	91
58) 1,1,1,2,2-Tetrachloroethane	12.58	83	6849	2.550	ug/L #	90
59) 1,2,3-Trichloropropane	12.63	75	4391	2.066	ug/L	91
61) Bromoform	12.21	173	3054	2.427	ug/L #	92
62) 1,3-Dichlorobenzene	13.36	146	9425	2.417	ug/L	96
63) 1,4-Dichlorobenzene	13.44	146	9339	2.338	ug/L	94
65) 1,2-Dichlorobenzene	13.74	146	9704	2.527	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.35	75	1252	2.699	ug/L #	46
67) 1,3,5-Trichlorobenzene	14.50	180	6051	2.224	ug/L	97
68) 1,2,4-trichlorobenzene	15.01	180	6384	2.501	ug/L	91
69) Naphthalene	15.23	128	16108	2.112	ug/L	98
70) 1,2,3-Trichlorobenzene	15.42	180	5878	2.393	ug/L	95

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

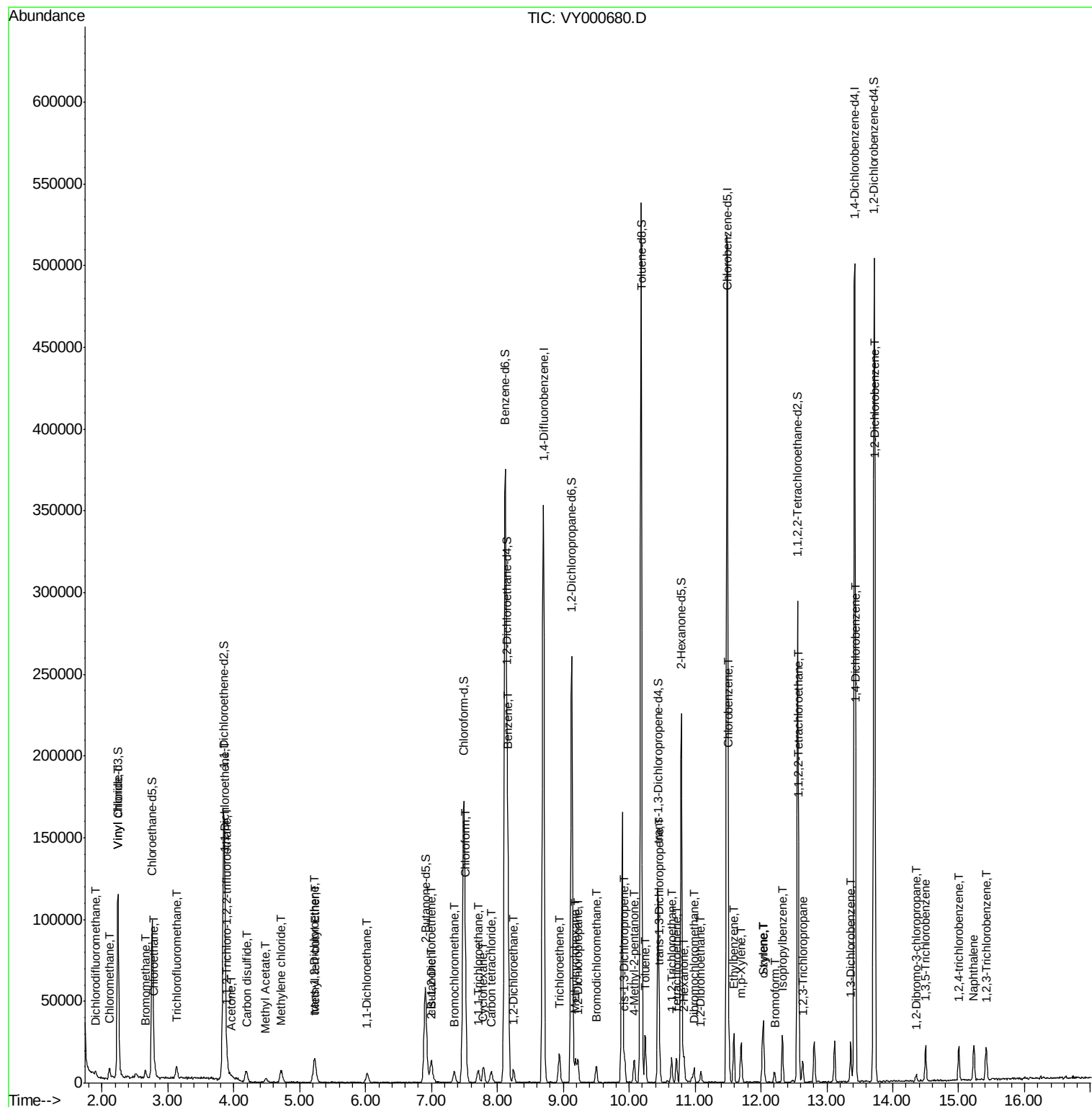
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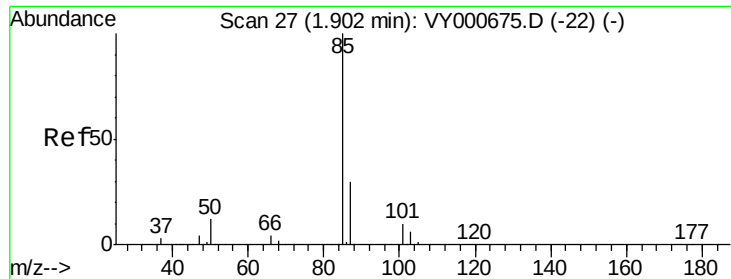
Instrument :
MSVOA_Y
ClientSampleId :
MDL1

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#2

Dichlorodifluoromethane

Concen: 1.651 ug/L

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY000680.D

Acq: 14 Nov 2019 18:58

Instrument :

MSVOA_Y

ClientSampleId :

MDL1

Tot Ion: 85 Resp: 2795

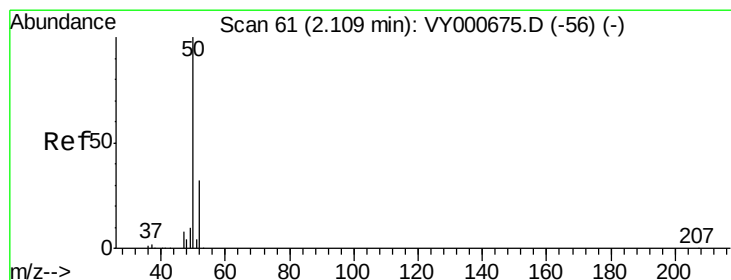
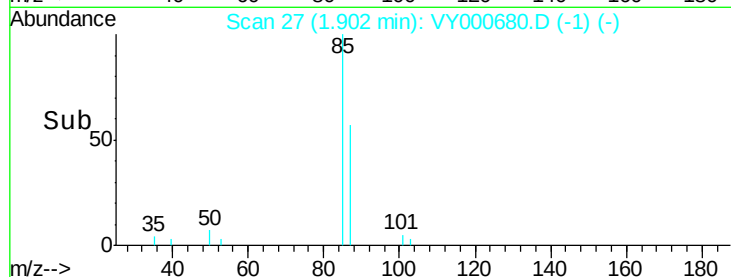
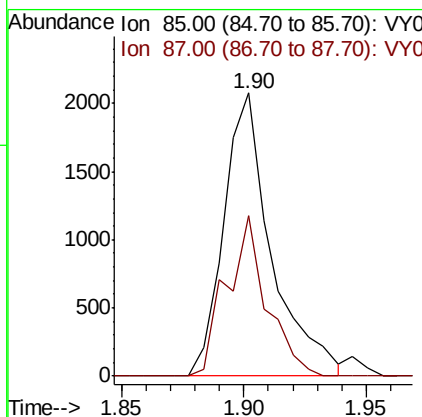
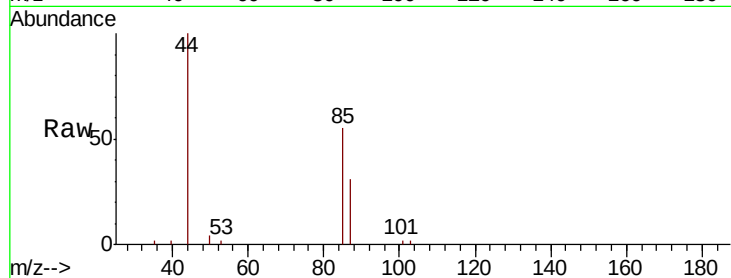
Ion Ratio Lower Upper

85 100

87 48.0 25.8 38.6#

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#3

Chloromethane

Concen: 2.524 ug/L

RT: 2.12 min Scan# 62

Delta R.T. 0.01 min

Lab File: VY000680.D

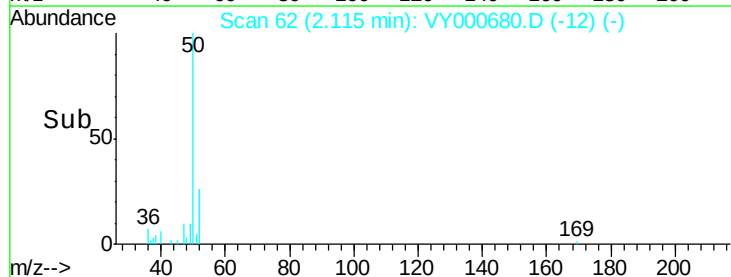
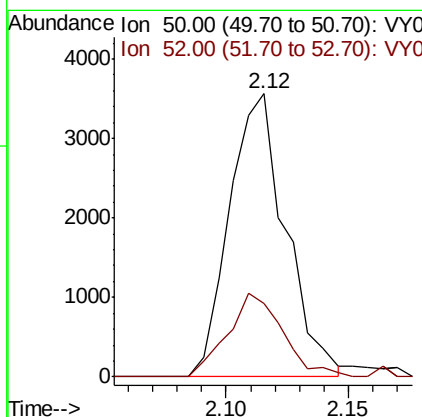
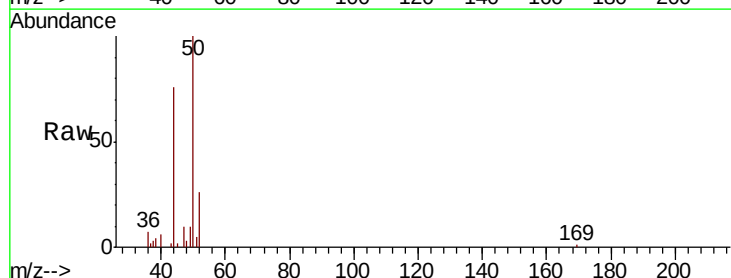
Acq: 14 Nov 2019 18:58

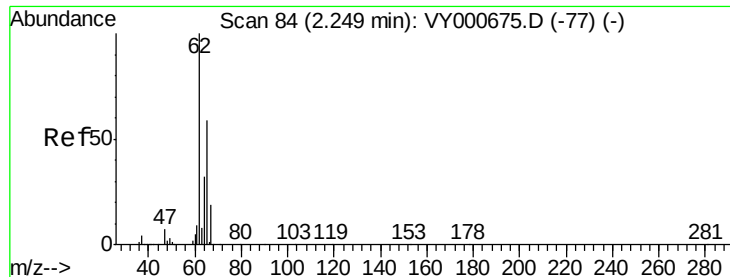
Tgt Ion: 50 Resp: 5682

Ion Ratio Lower Upper

50 100

52 26.0 22.2 41.2





#5

Vinyl chloride

Concen: 2.665 ug/L

RT: 2.24 min Scan# 83

Delta R.T. -0.01 min

Lab File: VY000680.D

Acq: 14 Nov 2019 18:58

Instrument :

MSVOA_Y

ClientSampled :

MDL1

Tot Ion: 62 Resp: 6015

Ion Ratio Lower Upper

62 100

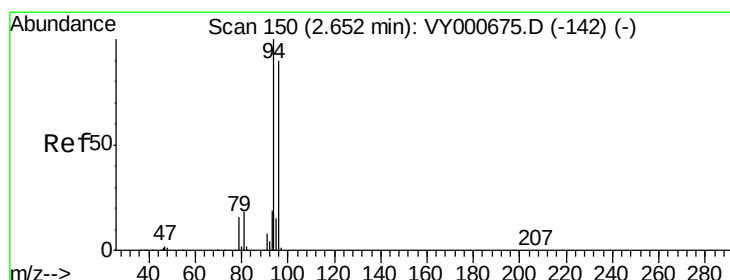
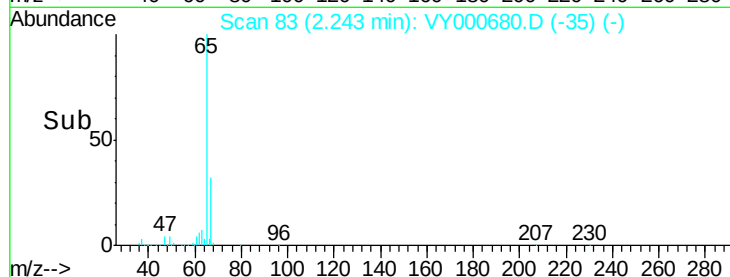
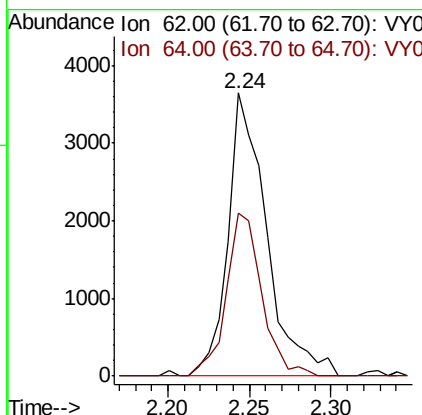
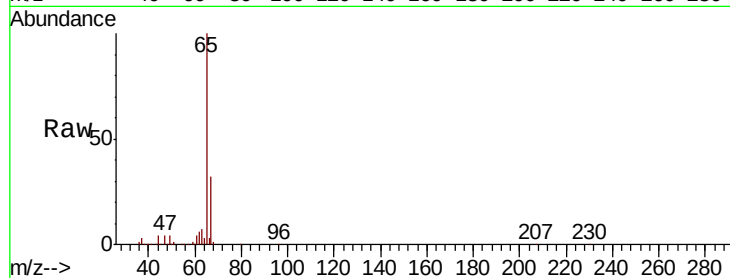
64 57.4 22.7 42.1#

Manual Integrations

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#6

Bromomethane

Concen: 2.328 ug/L m

RT: 2.65 min Scan# 150

Delta R.T. 0.00 min

Lab File: VY000680.D

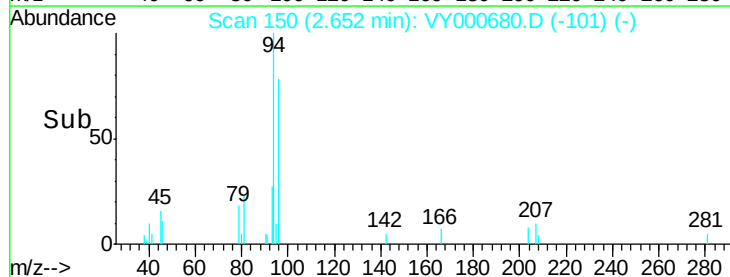
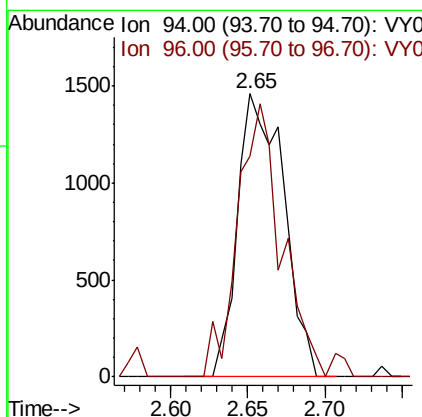
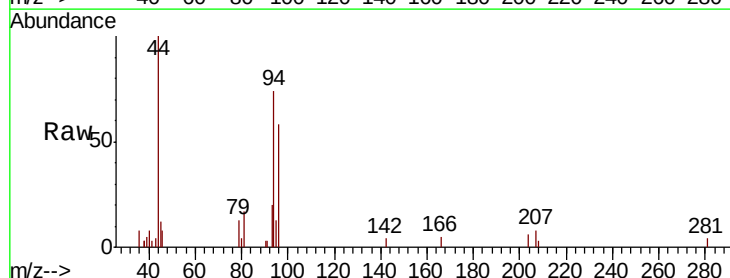
Acq: 14 Nov 2019 18:58

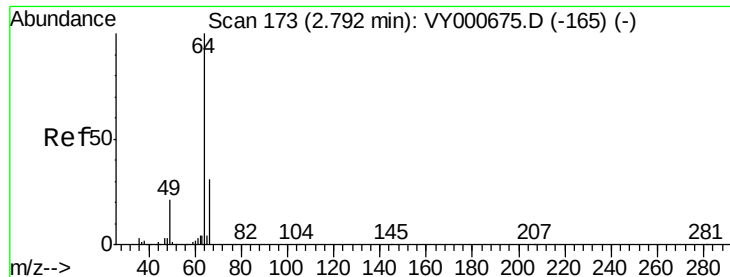
Tgt Ion: 94 Resp: 3020

Ion Ratio Lower Upper

94 100

96 77.9 63.0 117.0





#8

Chloroethane

Concen: 2.428 ug/L

RT: 2.79 min Scan# 173

Delta R.T. 0.00 min

Lab File: VY000680.D

Acq: 14 Nov 2019 18:58

Instrument :

MSVOA_Y

ClientSampleId :

MDL1

Tot Ion: 64 Resp: 3439

Ion Ratio Lower Upper

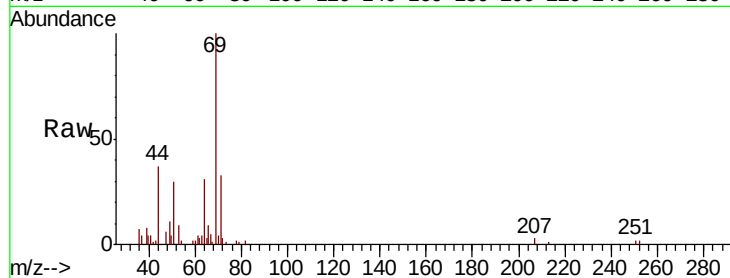
64 100

66 28.6 21.7 40.3

Manual Integrations
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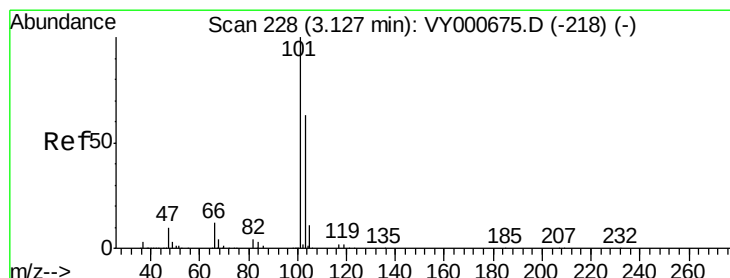
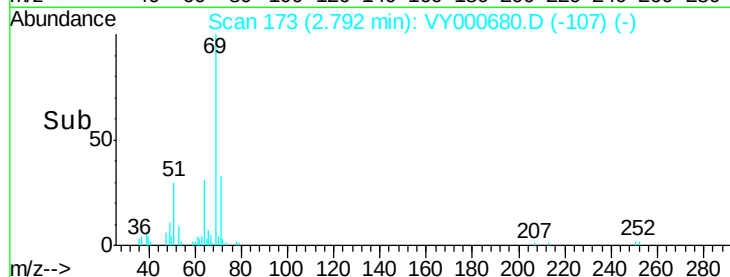
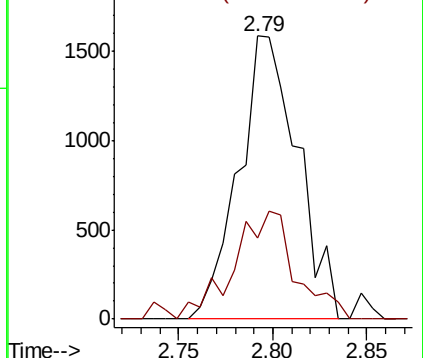
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Abundance Ion 64.00 (63.70 to 64.70): VY0

Ion 66.00 (65.70 to 66.70): VY0



#9

Trichlorofluoromethane

Concen: 1.977 ug/L m

RT: 3.13 min Scan# 228

Delta R.T. 0.01 min

Lab File: VY000680.D

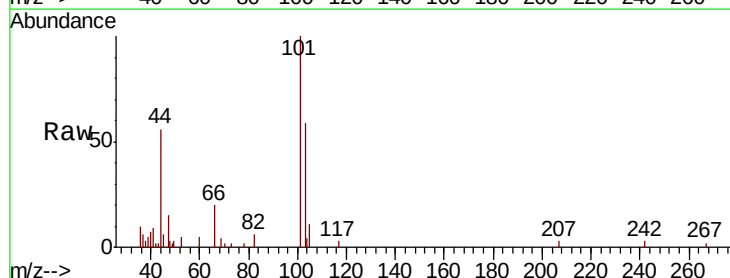
Acq: 14 Nov 2019 18:58

Tgt Ion: 101 Resp: 6588

Ion Ratio Lower Upper

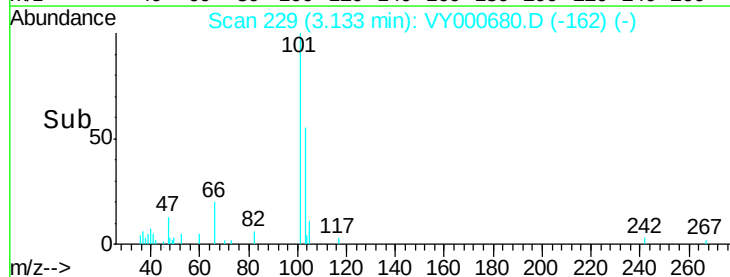
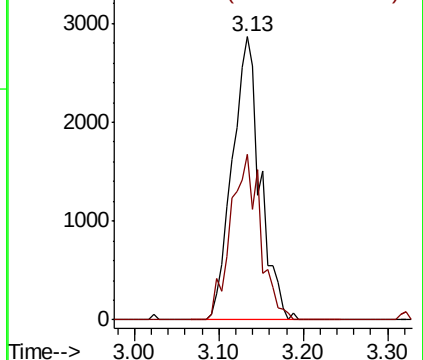
101 100

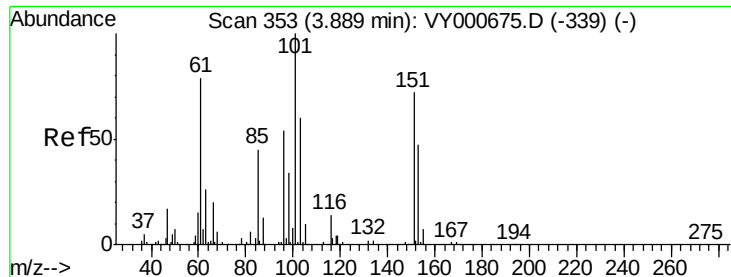
103 56.3 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 2.726 ug/L m

RT: 3.90 min Scan# 355

Delta R.T. 0.01 min

Lab File: VY000680.D

Acq: 14 Nov 2019 18:58

Instrument :

MSVOA_Y

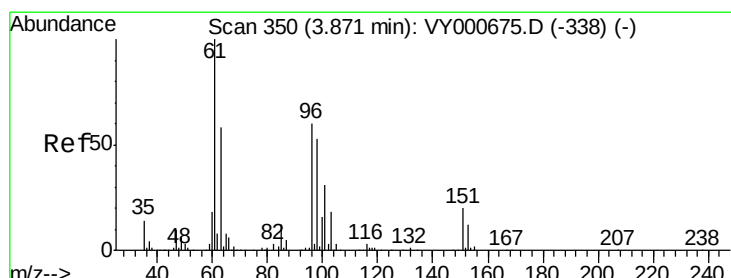
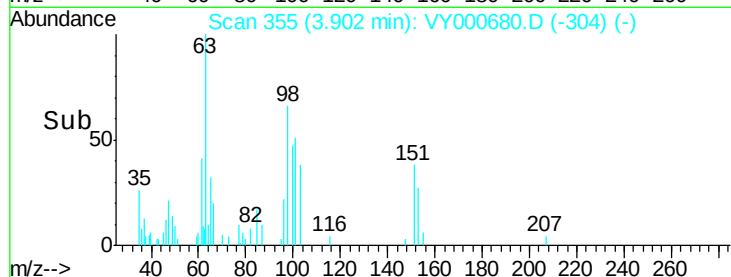
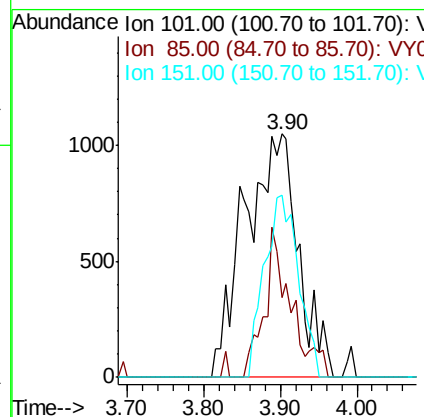
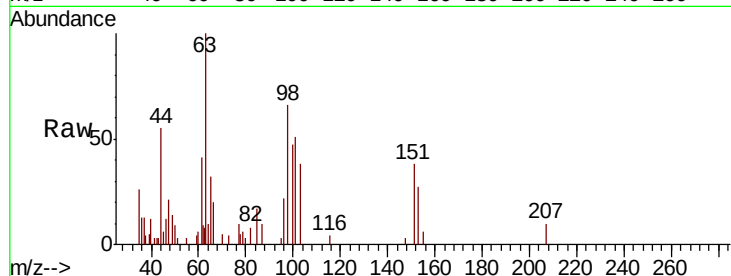
ClientSampleId :

MDL1

Tot Ion:	101	Resp:	5068
Ion Ratio	Lower	Upper	
101	100		
85	27.1	35.3	52.9#
151	47.6	57.7	86.5#

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 3.001 ug/L

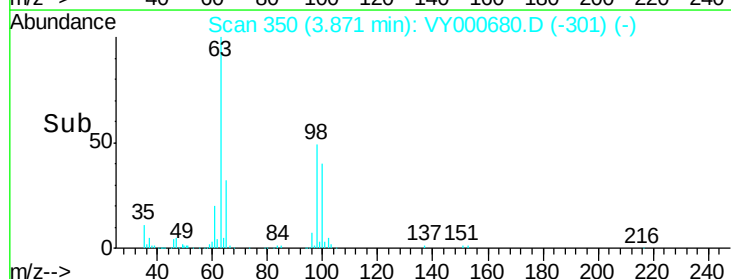
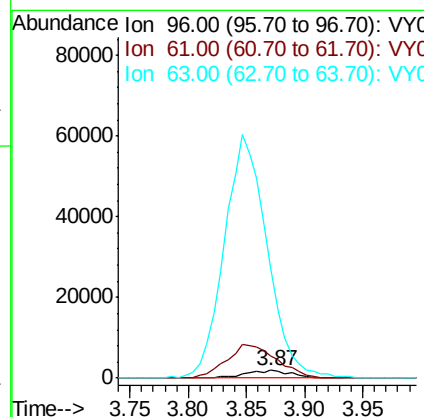
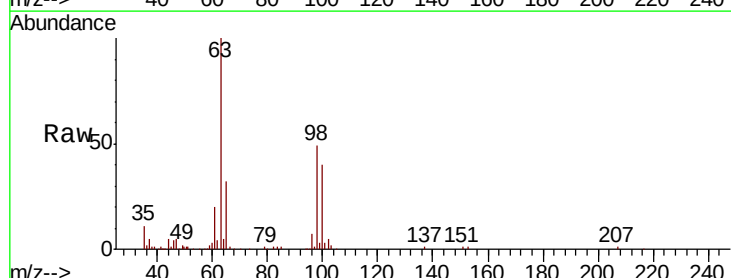
RT: 3.87 min Scan# 350

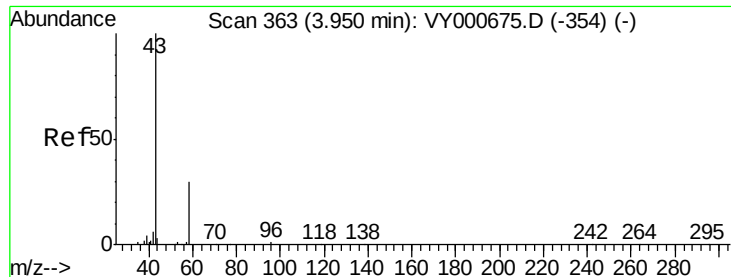
Delta R.T. 0.00 min

Lab File: VY000680.D

Acq: 14 Nov 2019 18:58

Tgt Ion:	96	Resp:	5583
Ion Ratio	Lower	Upper	
96	100		
61	290.7	117.5	218.3#
63	1465.4	70.1	130.3#





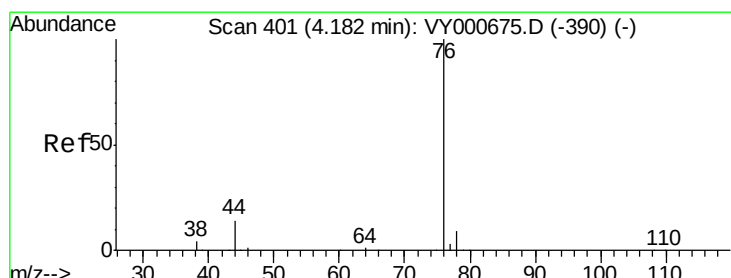
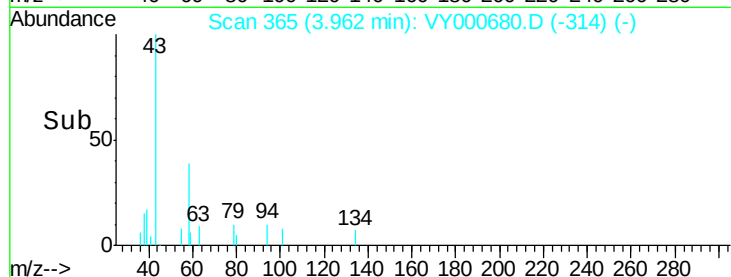
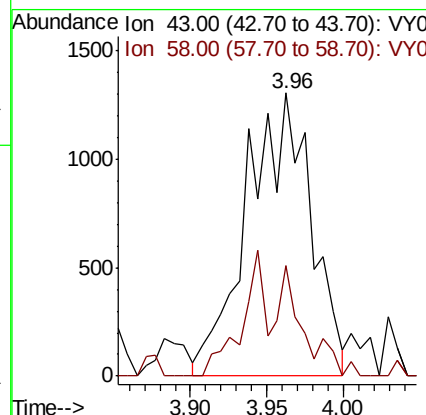
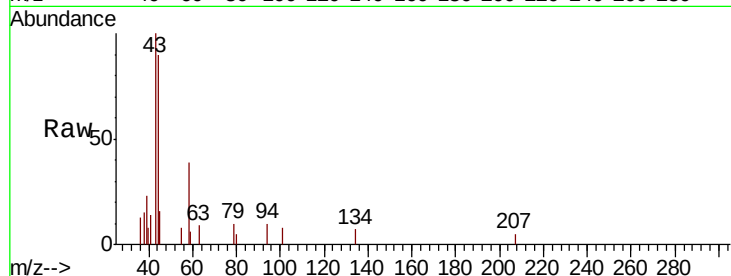
#13
Acetone
Concen: 5.728 ug/L
RT: 3.96 min Scan# 365
Delta R.T. 0.01 min
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Tot Ion	43	Resp	3787
Ion Ratio	100	Lower	Upper
58	12.7	0.0	62.2

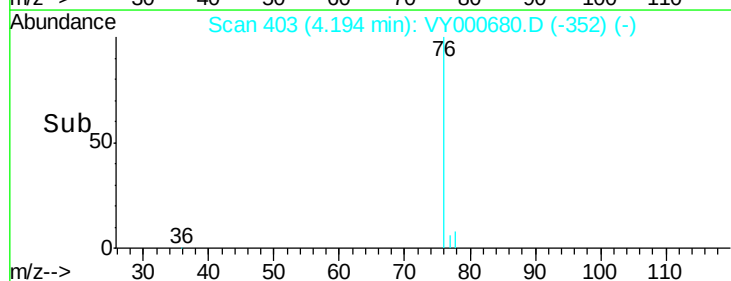
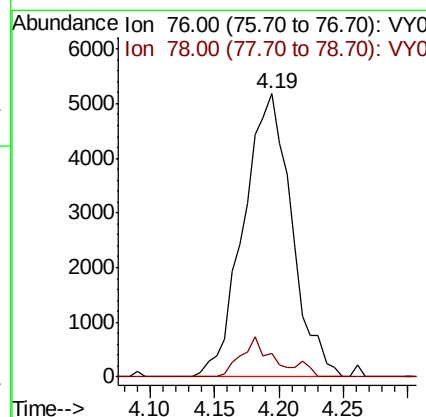
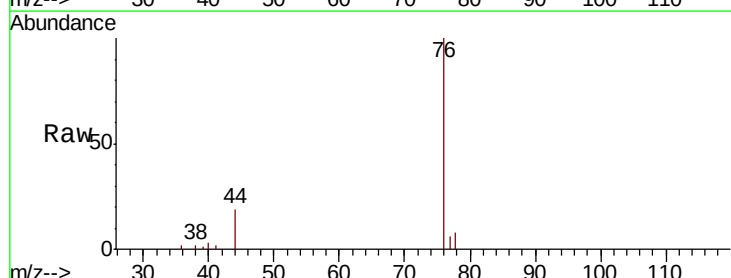
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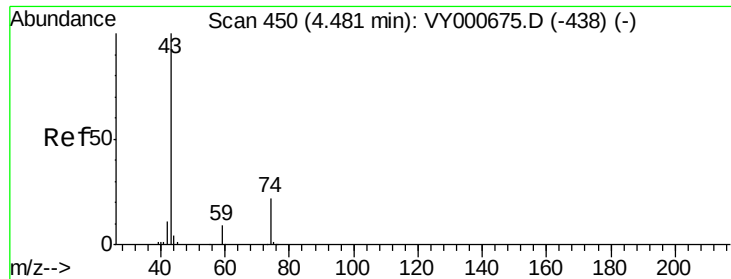
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#14
Carbon disulfide
Concen: 2.620 ug/L
RT: 4.19 min Scan# 403
Delta R.T. 0.01 min
Lab File: VY000680.D
Acq: 14 Nov 2019 18:58

Tgt Ion	76	Resp	13443
Ion Ratio	100	Lower	Upper
78	8.3	7.0	10.6





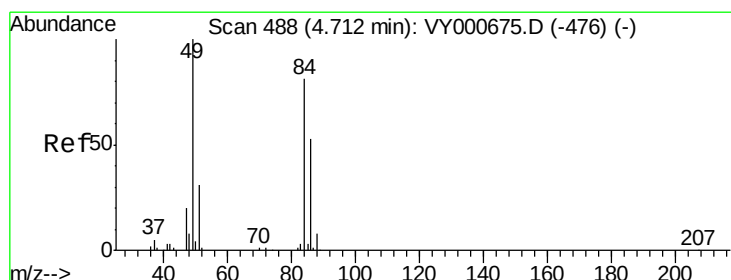
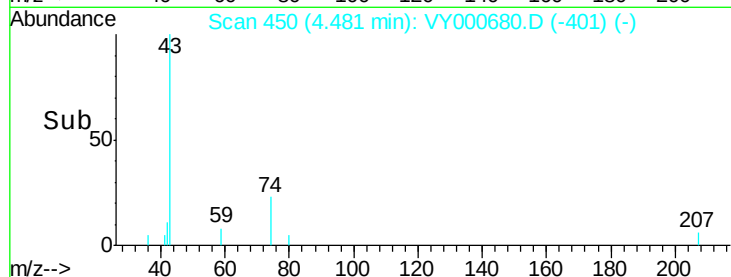
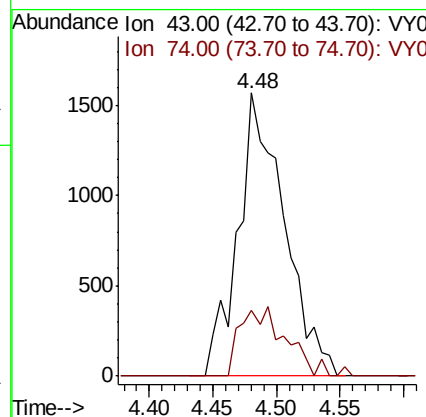
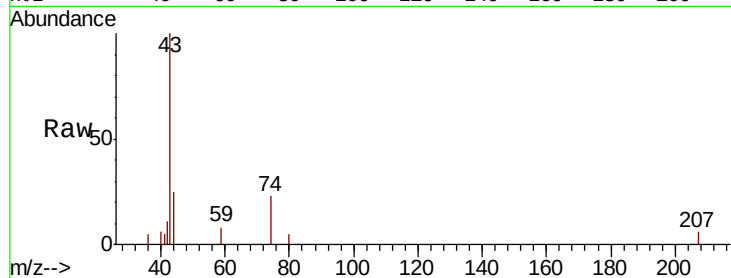
#15
Methyl Acetate
Concen: 2.362 ug/L m
RT: 4.48 min Scan# 450
Delta R.T. 0.00 min
Lab File: VY000680.D
Acq: 14 Nov 2019 18:58

Instrument :
MSVOA_Y
ClientSampled :
MDL1

Tot Ion: 43 Resp: 3925
Ion Ratio Lower Upper
43 100
74 11.3 19.1 28.7#

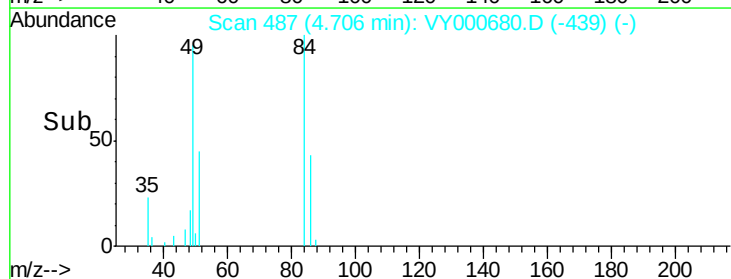
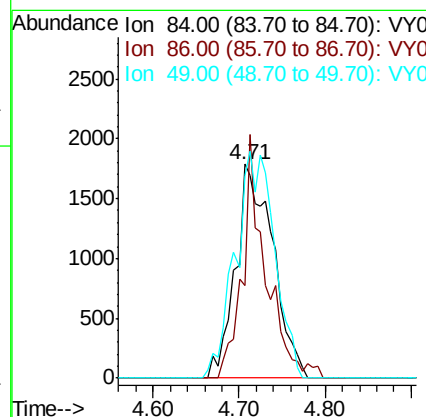
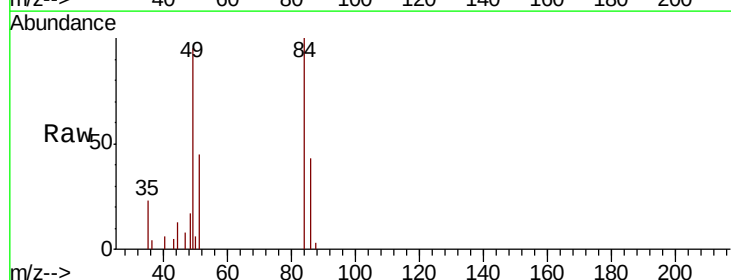
Manual Integrations
APPROVED

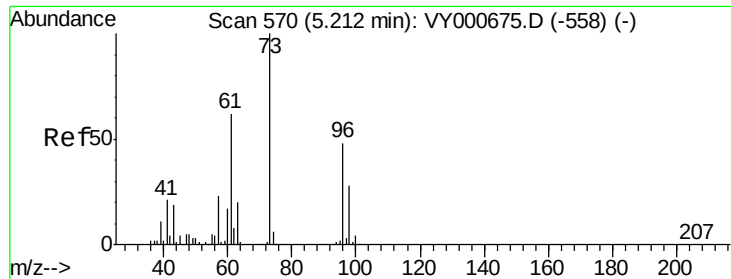
MMDadoda
11/15/2019 3:04:54 PM



#16
Methylene chloride
Concen: 2.706 ug/L m
RT: 4.71 min Scan# 487
Delta R.T. -0.01 min
Lab File: VY000680.D
Acq: 14 Nov 2019 18:58

Tgt Ion: 84 Resp: 5383
Ion Ratio Lower Upper
84 100
86 43.2 45.9 85.3#
49 94.8 86.1 159.9





#17

trans-1,2-Dichloroethene

Concen: 2.391 ug/L

RT: 5.21 min Scan# 570

Delta R.T. 0.00 min

Lab File: VY000680.D

Acq: 14 Nov 2019 18:58

Instrument :

MSVOA_Y

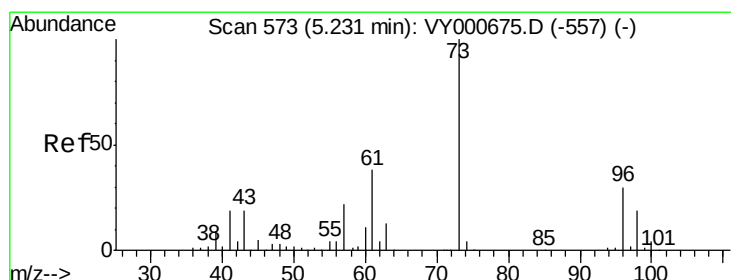
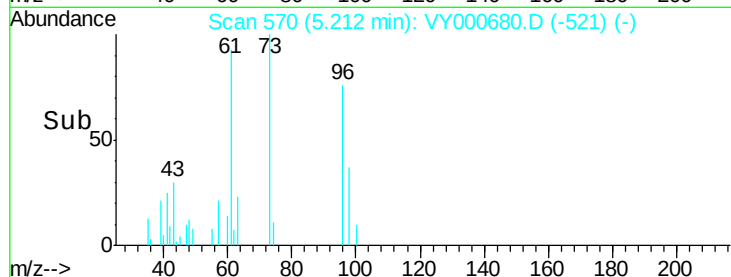
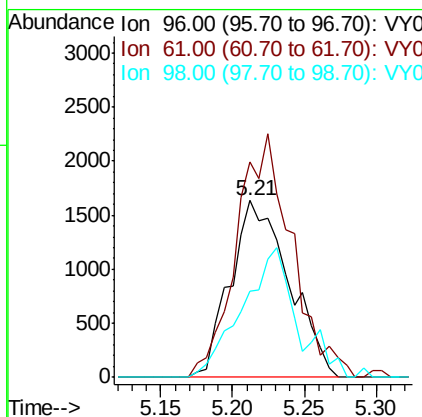
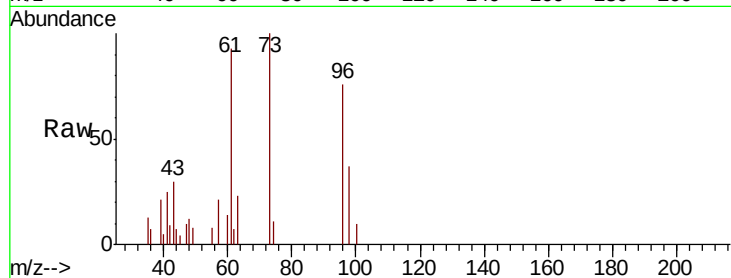
ClientSampleId :

MDL1

Tot Ion:	96	Resp:	4645
Ion	Ratio	Lower	Upper
96	100		
61	121.9	90.8	168.6
98	48.8	41.0	76.2

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#18

Methyl tert-butyl Ether

Concen: 2.134 ug/L m

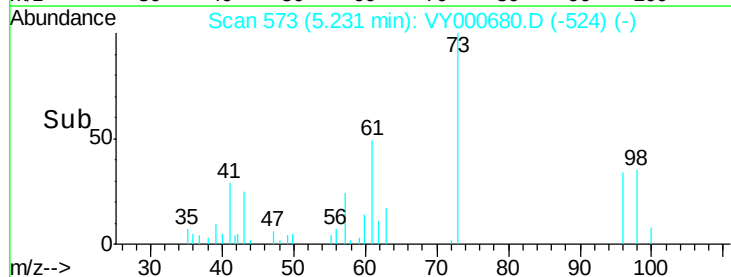
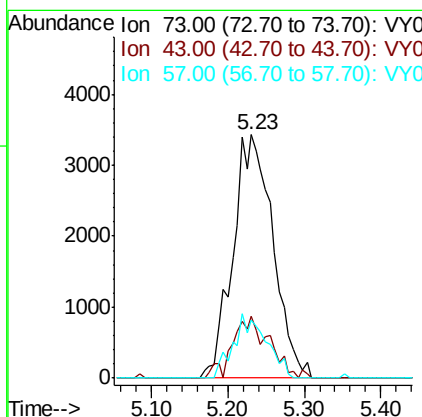
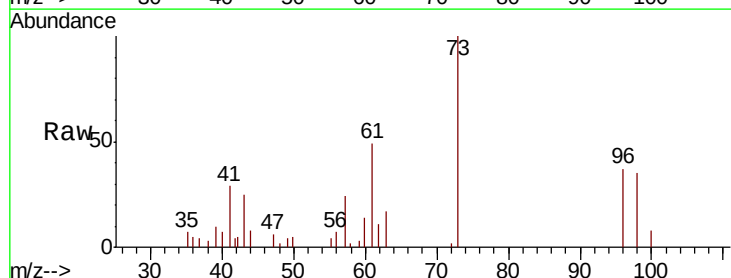
RT: 5.23 min Scan# 573

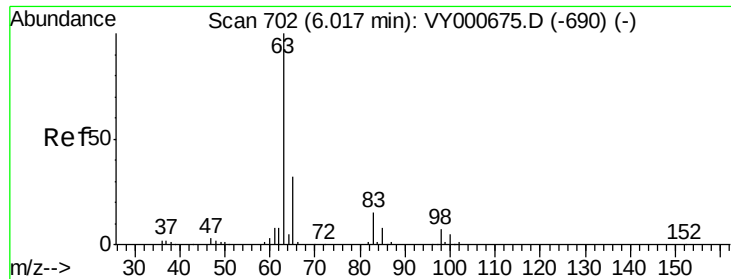
Delta R.T. 0.00 min

Lab File: VY000680.D

Acq: 14 Nov 2019 18:58

Tgt Ion:	73	Resp:	12479
Ion	Ratio	Lower	Upper
73	100		
43	8.9	15.5	23.3#
57	4.5	17.7	26.5#





#19

1,1-Dichloroethane

Concen: 2.252 ug/L

RT: 6.02 min Scan# 703

Delta R.T. 0.01 min

Lab File: VY000680.D

Acq: 14 Nov 2019 18:58

Instrument :

MSVOA_Y

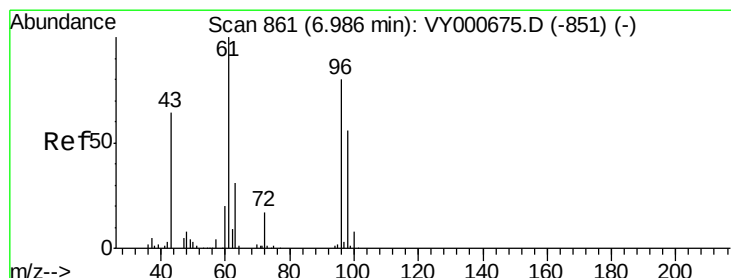
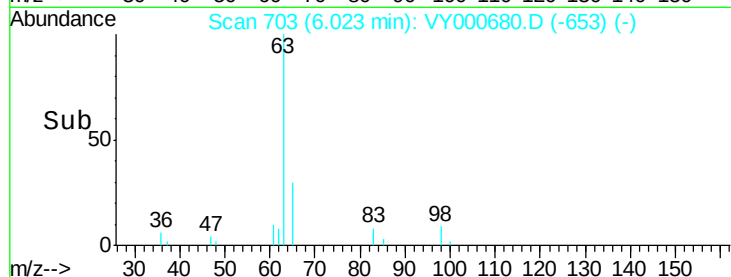
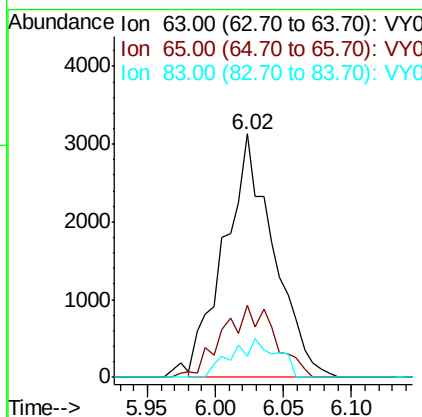
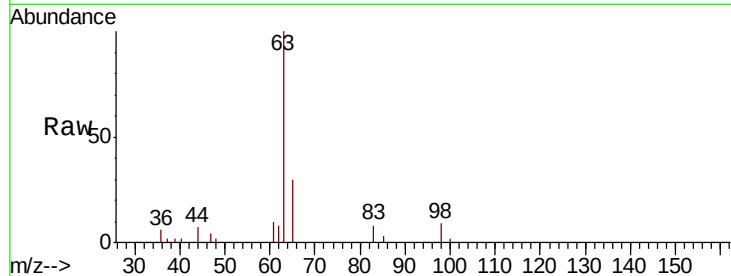
ClientSampleId :

MDL1

Tot Ion:	63	Resp:	7865
Ion Ratio	Lower	Upper	
63	100		
65	29.9	22.7	42.1
83	8.4	10.5	19.5#

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#20

cis-1,2-Dichloroethene

Concen: 2.630 ug/L

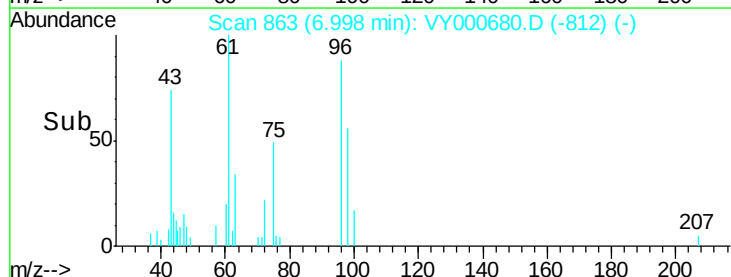
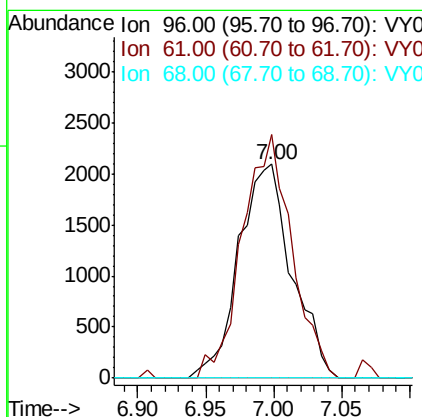
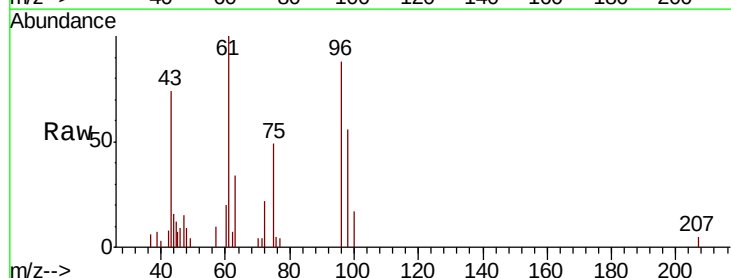
RT: 7.00 min Scan# 863

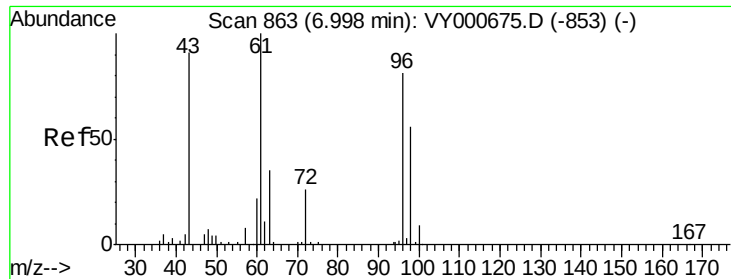
Delta R.T. 0.01 min

Lab File: VY000680.D

Acq: 14 Nov 2019 18:58

Tgt Ion:	96	Resp:	5726
Ion Ratio	Lower	Upper	
96	100		
61	113.8	87.2	162.0
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 5.041 ug/L

RT: 7.01 min Scan# 865

Delta R.T. 0.01 min

Lab File: VY000680.D

Acq: 14 Nov 2019 18:58

Instrument :

MSVOA_Y

ClientSampleId :

MDL1

Tot Ion: 43 Resp: 5245

Ion Ratio Lower Upper

43 100

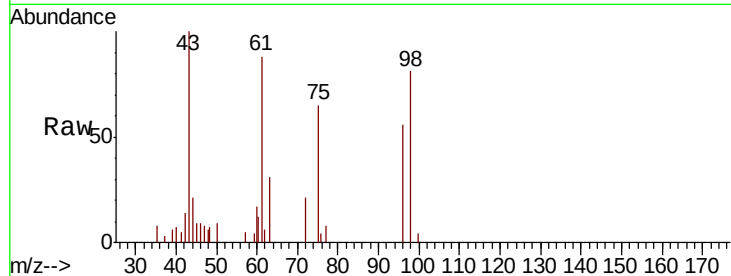
72 16.1 13.7 41.1

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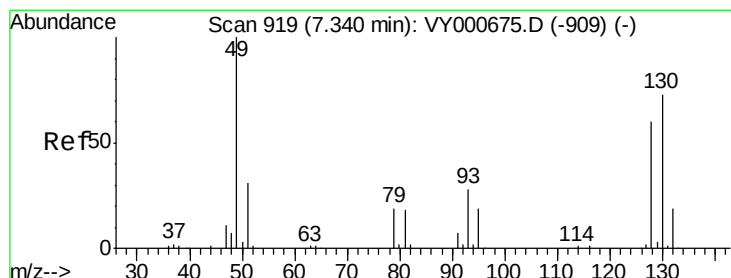
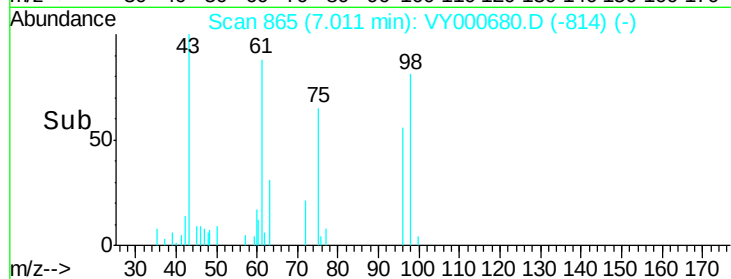
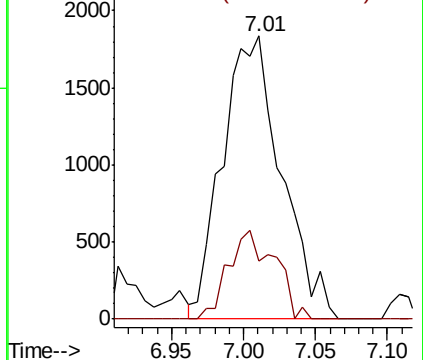
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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#23

Bromochloromethane

Concen: 2.191 ug/L

RT: 7.35 min Scan# 920

Delta R.T. 0.01 min

Lab File: VY000680.D

Acq: 14 Nov 2019 18:58

Tgt Ion: 128 Resp: 2199

Ion Ratio Lower Upper

128 100

49 227.2 116.6 216.5#

130 117.8 85.4 158.6

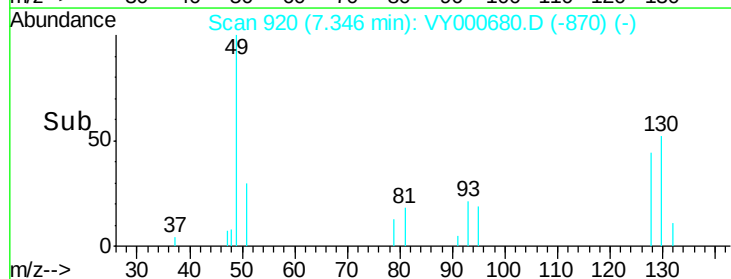
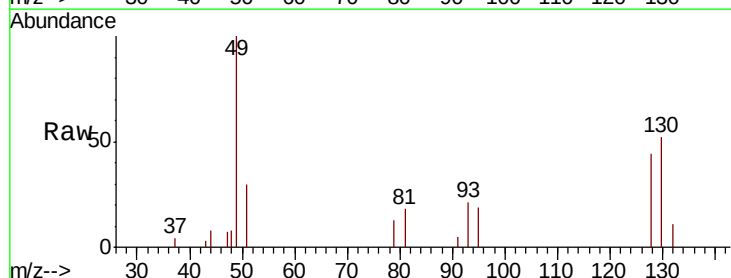
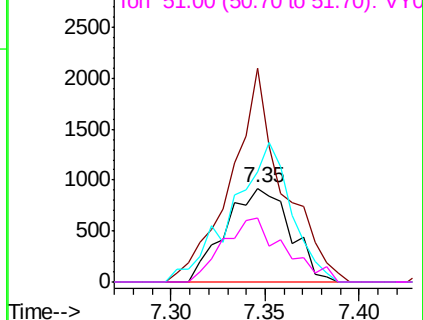
51 68.7 41.1 61.7#

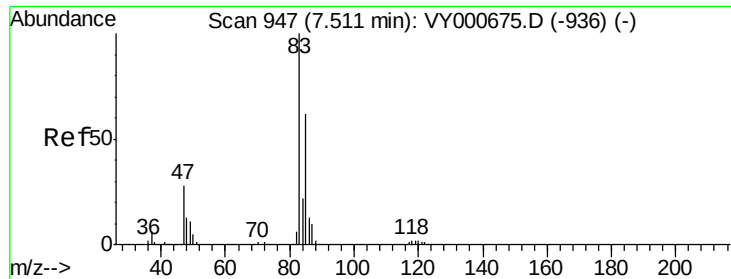
Abundance Ion 128.00 (127.70 to 128.70): V

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: 7.222 ug/L

RT: 7.52 min Scan# 948

Delta R.T. 0.01 min

Lab File: VY000680.D

Acq: 14 Nov 2019 18:58

Instrument :

MSVOA_Y

ClientSampleId :

MDL1

Tot Ion: 83 Resp: 28873

Ion Ratio Lower Upper

83 100

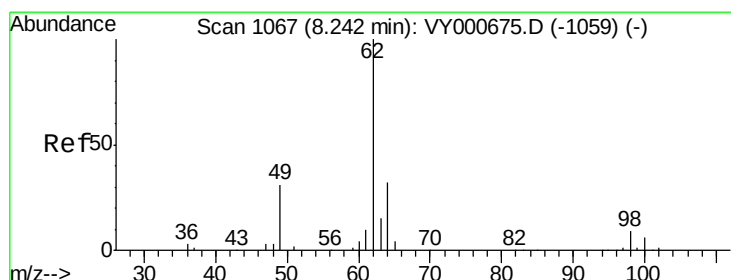
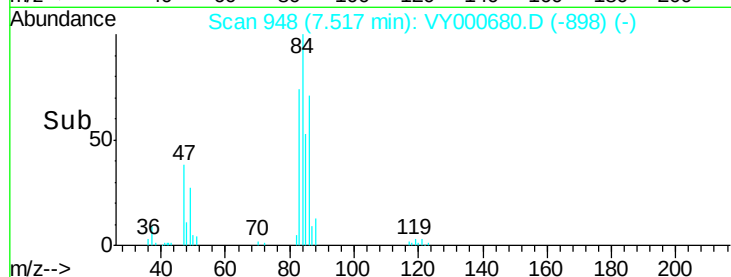
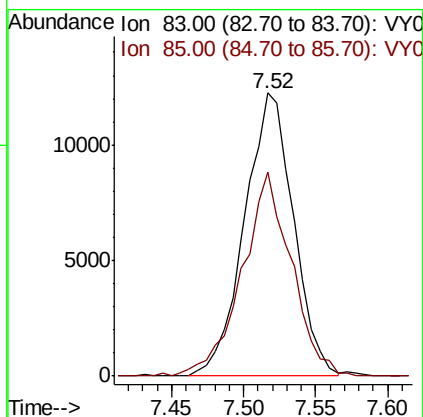
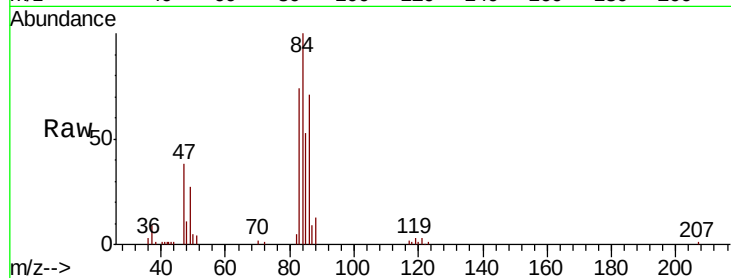
85 71.9 43.1 80.1

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#27

1,2-Dichloroethane

Concen: 2.178 ug/L

RT: 8.24 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VY000680.D

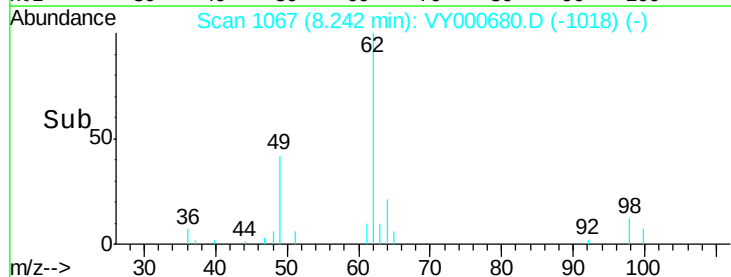
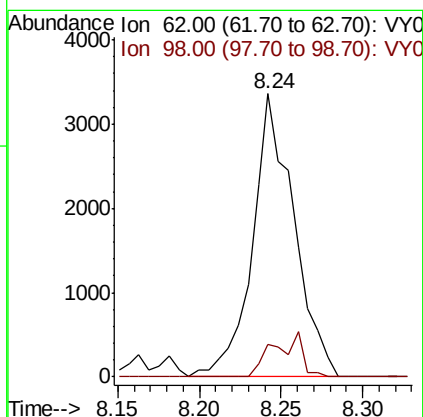
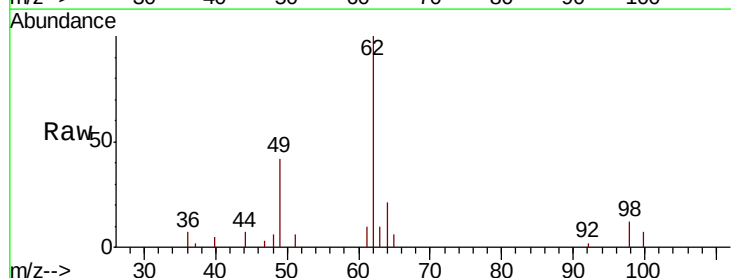
Acq: 14 Nov 2019 18:58

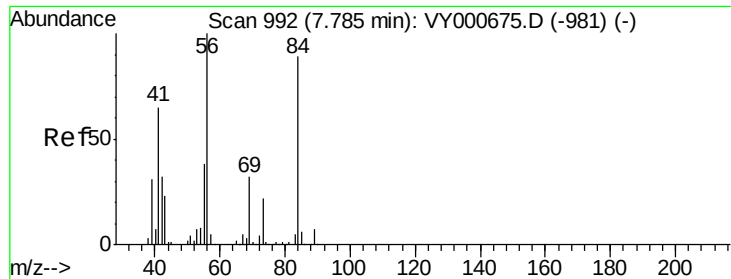
Tgt Ion: 62 Resp: 5946

Ion Ratio Lower Upper

62 100

98 11.6 7.1 10.7#





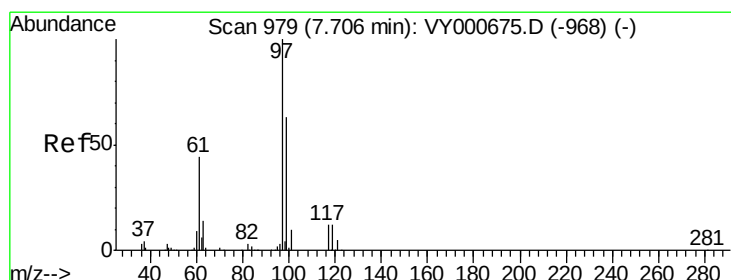
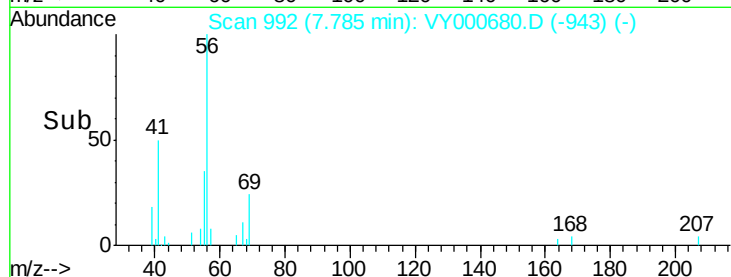
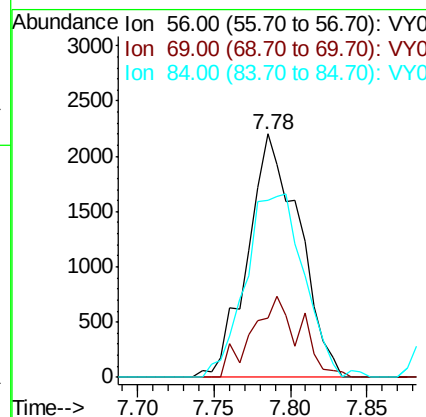
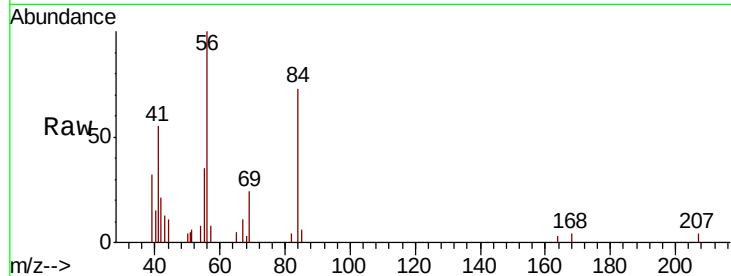
#29
Cyclohexane
Concen: 1.632 ug/L
RT: 7.78 min Scan# 992
Delta R.T. 0.00 min
Lab File: VY000680.D
Acq: 14 Nov 2019 18:58

Instrument :
MSVOA_Y
ClientSampleId :
MDL1

Tot Ion	Ratio	Lower	Upper
56	100		
69	24.4	24.4	36.6
84	0.8	71.4	107.2#

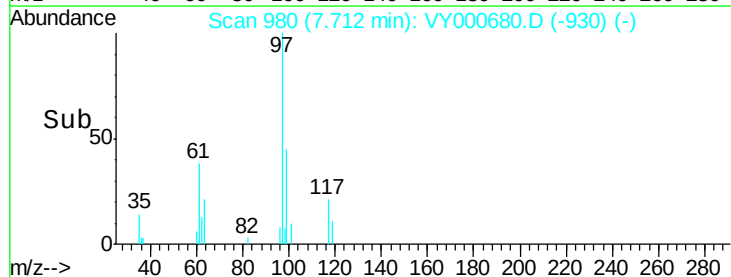
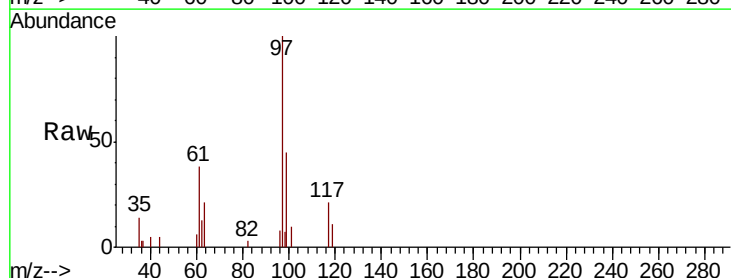
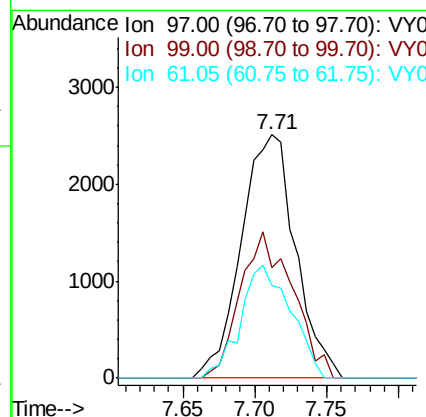
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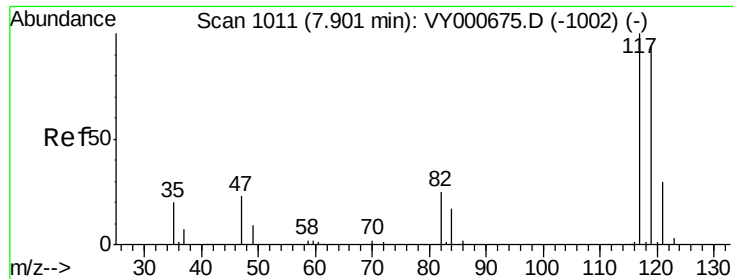
MMDadoda
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#30
1,1,1-Trichloroethane
Concen: 2.222 ug/L
RT: 7.71 min Scan# 980
Delta R.T. 0.01 min
Lab File: VY000680.D
Acq: 14 Nov 2019 18:58

Tgt Ion	Ratio	Lower	Upper
97	100		
99	58.2	52.2	78.2
61	43.0	35.0	52.4





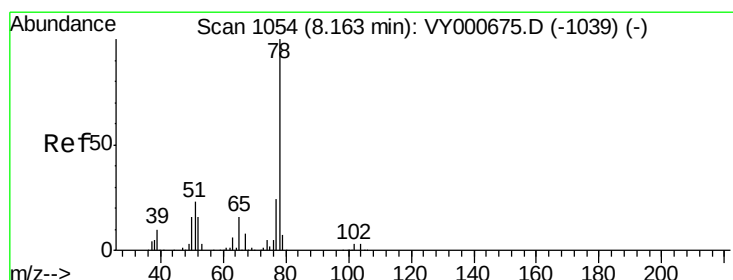
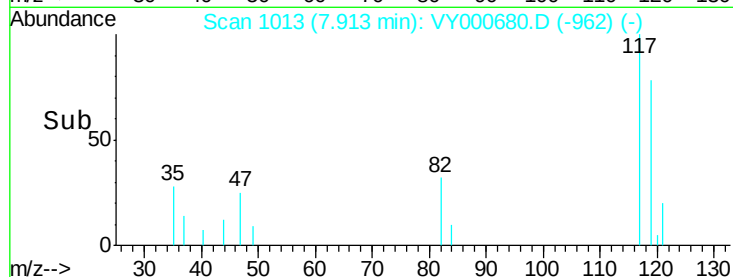
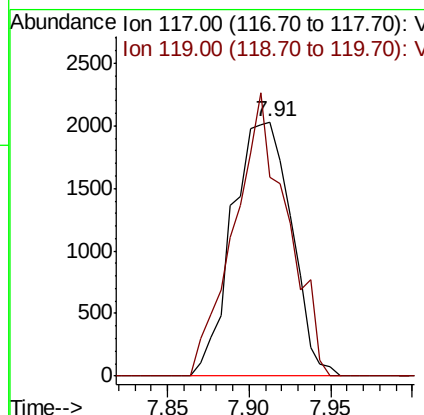
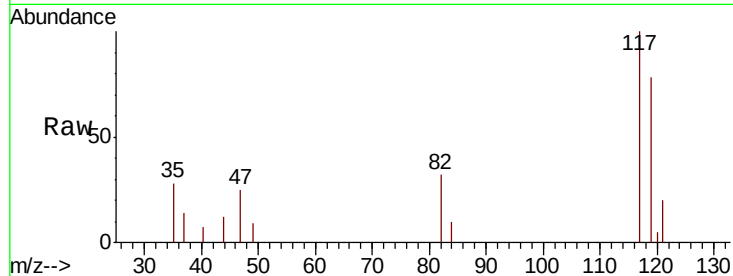
#31
Carbon tetrachloride
Concen: 1.921 ug/L
RT: 7.91 min Scan# 1013
Delta R.T. 0.01 min
Lab File: VY000680.D
Acq: 14 Nov 2019 18:58

Instrument :
MSVOA_Y
ClientSampleId :
MDL1

Tot Ion:117 Resp: 5089
Ion Ratio Lower Upper
117 100
119 100.1 75.5 113.3

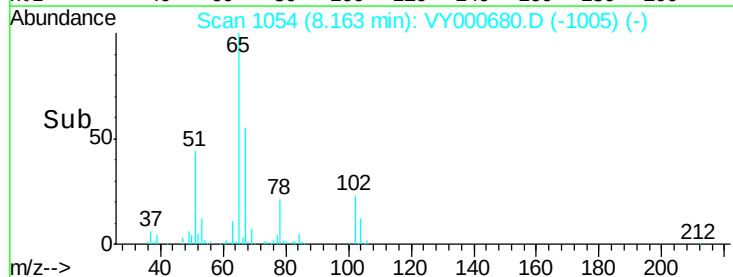
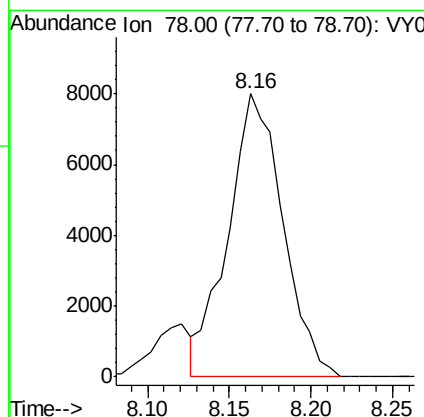
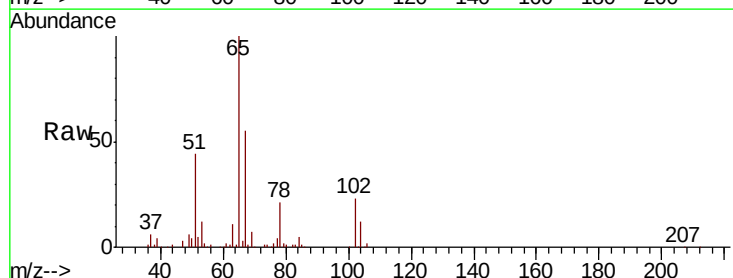
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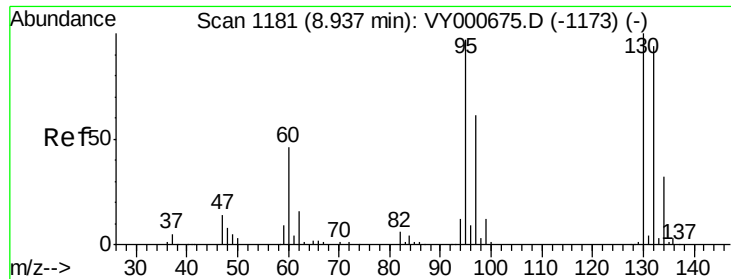
MMDadoda
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#33
Benzene
Concen: 2.318 ug/L
RT: 8.16 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VY000680.D
Acq: 14 Nov 2019 18:58

Tgt Ion: 78 Resp: 18699





#34

Trichloroethene

Concen: 2.232 ug/L

RT: 8.94 min Scan# 1182

Delta R.T. 0.01 min

Lab File: VY000680.D

Acq: 14 Nov 2019 18:58

Instrument :

MSVOA_Y

ClientSampleId :

MDL1

Tot Ion: 95 Resp: 4521

Ion Ratio Lower Upper

95 100

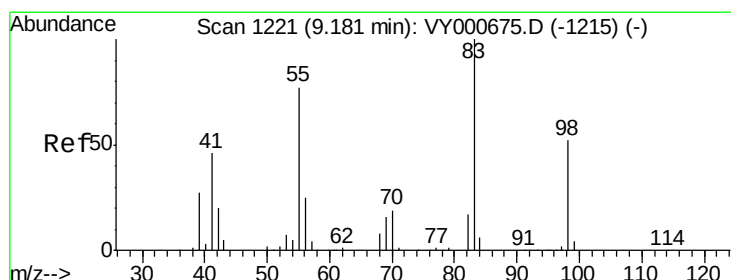
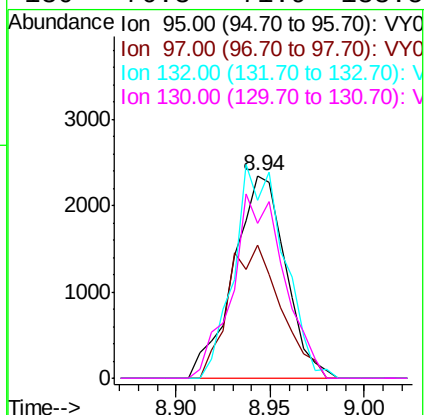
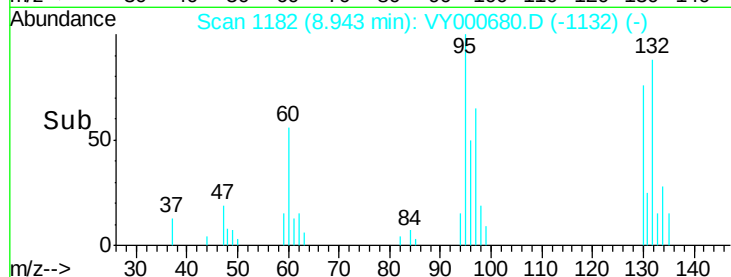
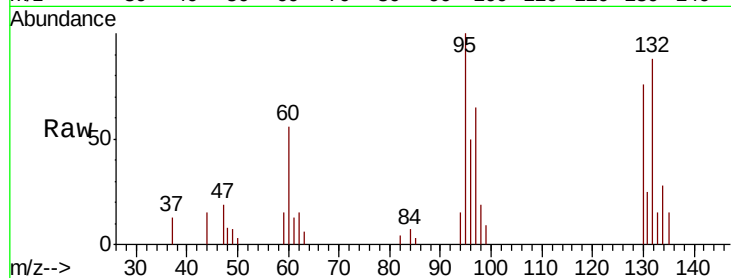
97 65.4 43.8 81.3

132 87.7 67.8 126.0

130 76.3 71.9 133.5

Manual Integrations
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#35

Methylcyclohexane

Concen: 1.693 ug/L

RT: 9.18 min Scan# 1221

Delta R.T. 0.00 min

Lab File: VY000680.D

Acq: 14 Nov 2019 18:58

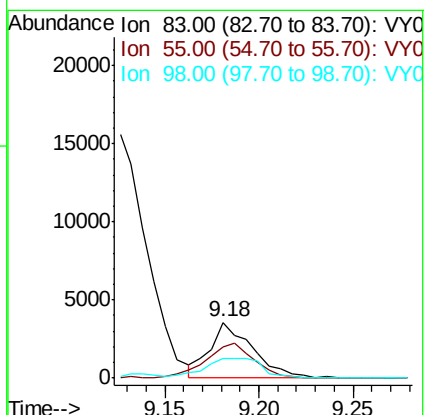
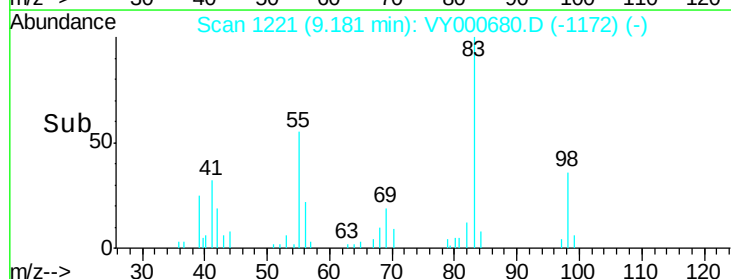
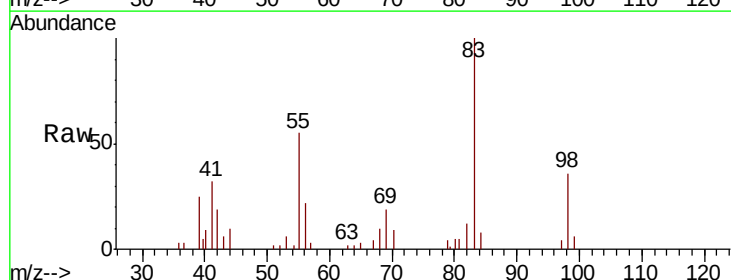
Tgt Ion: 83 Resp: 5663

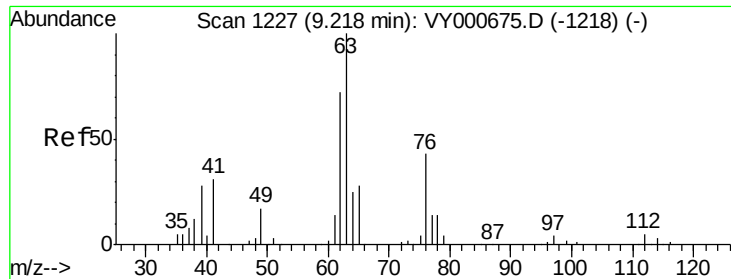
Ion Ratio Lower Upper

83 100

55 69.0 60.4 90.6

98 46.9 40.3 60.5





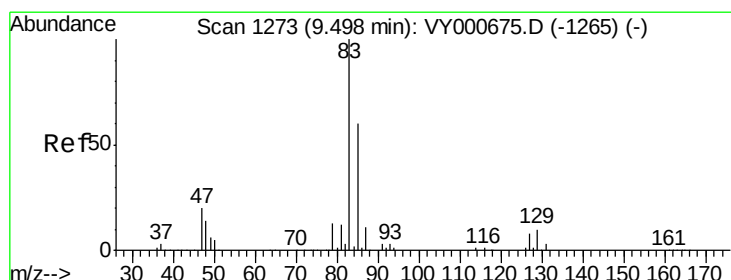
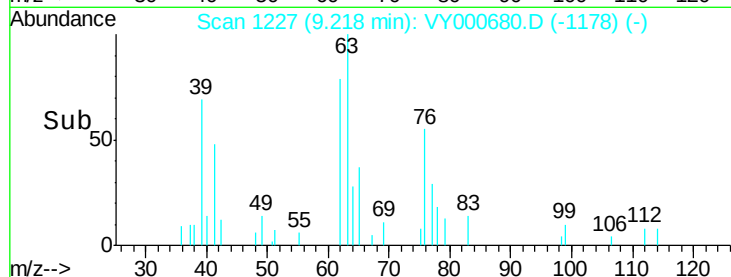
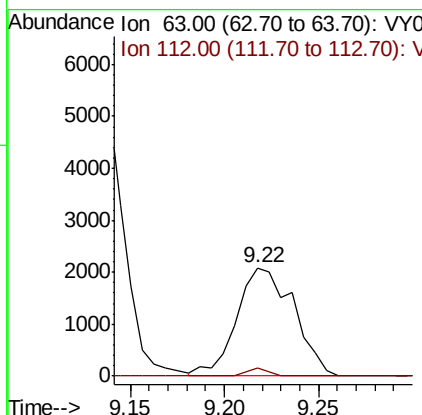
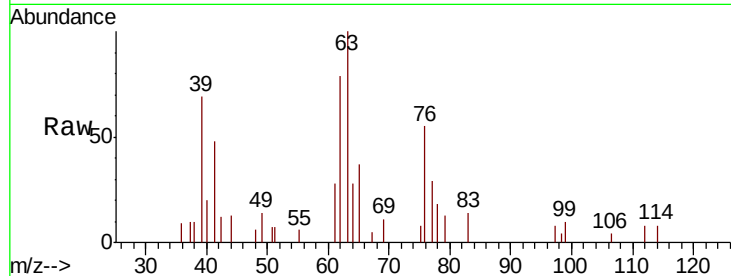
#37
 1,2-Dichloropropane
 Concen: 2.189 ug/L
 RT: 9.22 min Scan# 1227
 Delta R.T. 0.00 min
 Lab File: VY000680.D
 Acq: 14 Nov 2019 18:58

Instrument :
 MSVOA_Y
 ClientSampled :
 MDL1

Tot Ion: 63 Resp: 4381
 Ion Ratio Lower Upper
 63 100
 112 2.7 3.8 5.6#

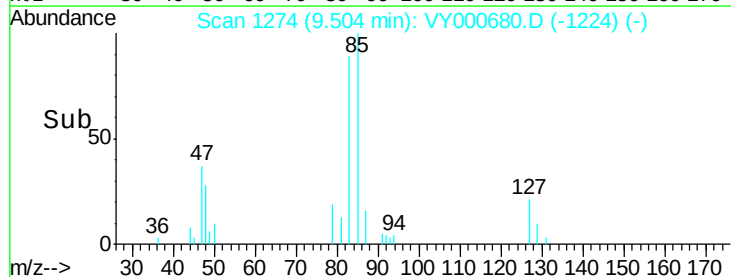
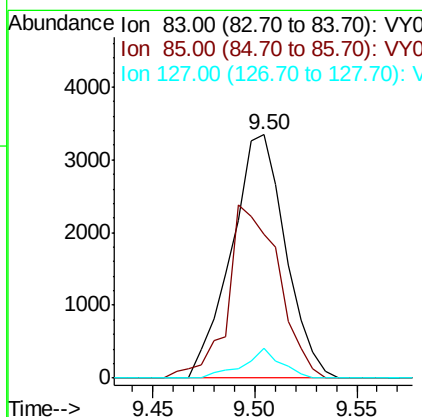
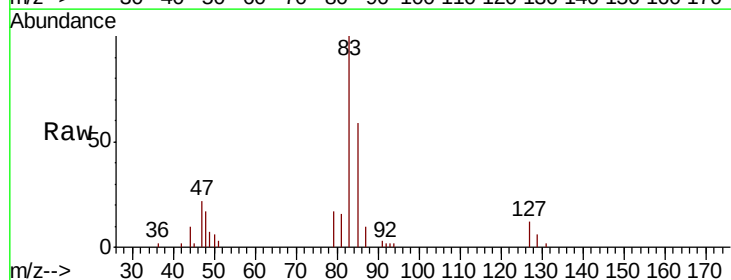
Manual Integrations
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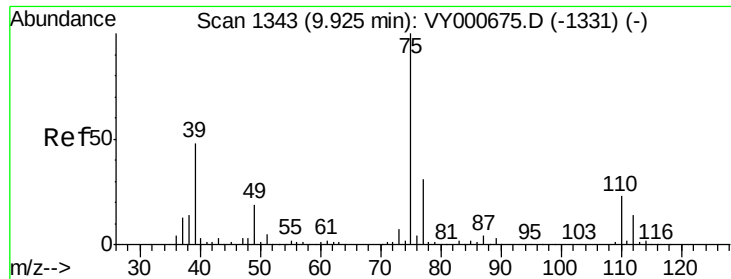
MMDadoda
 11/15/2019 3:04:54 PM



#38
 Bromodichloromethane
 Concen: 2.297 ug/L
 RT: 9.50 min Scan# 1274
 Delta R.T. 0.01 min
 Lab File: VY000680.D
 Acq: 14 Nov 2019 18:58

Tgt Ion: 83 Resp: 6174
 Ion Ratio Lower Upper
 83 100
 85 59.1 42.2 78.4
 127 12.3 6.4 9.6#





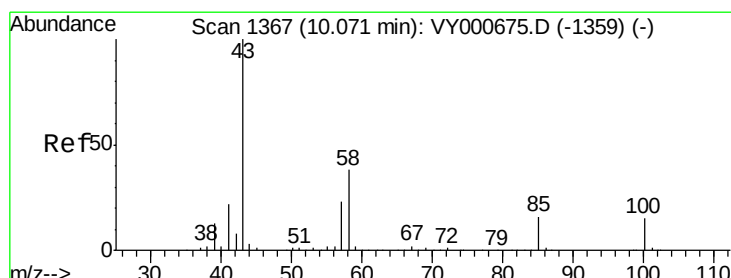
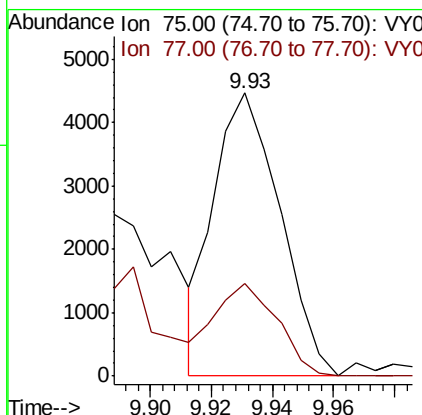
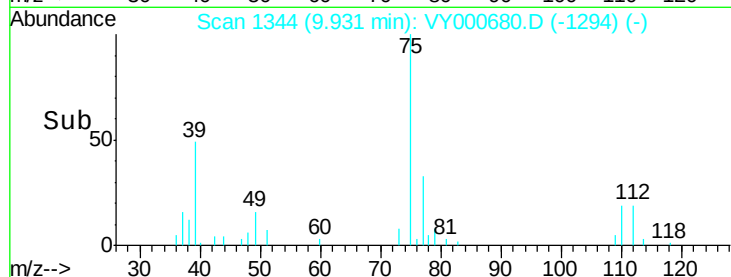
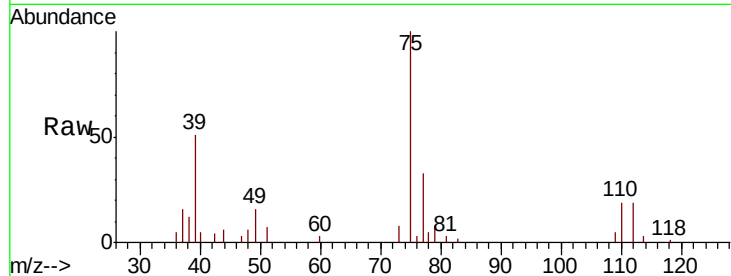
#39
 cis-1,3-Dichloropropene
 Concen: 1.967 ug/L
 RT: 9.93 min Scan# 1344
 Delta R.T. 0.01 min
 Lab File: VY000680.D
 Acq: 14 Nov 2019 18:58

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL1

Tot Ion: 75 Resp: 6688
 Ion Ratio Lower Upper
 75 100
 77 32.5 21.7 40.3

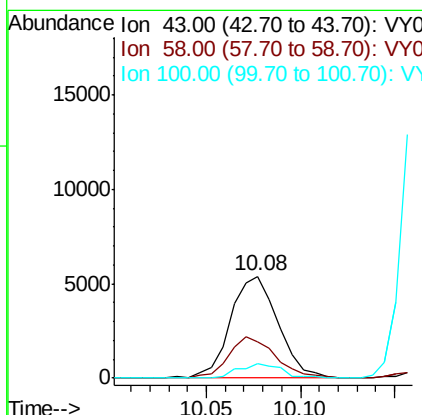
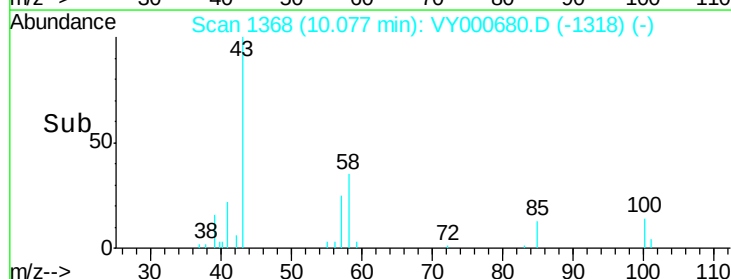
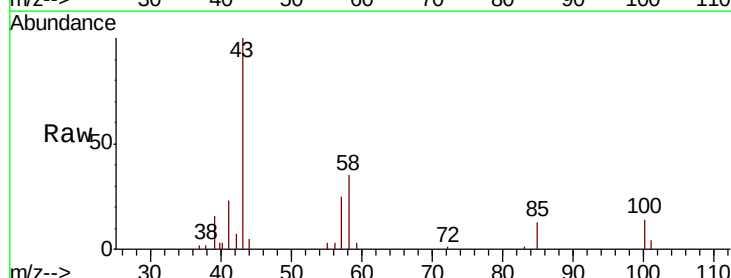
Manual Integrations
 APPROVED

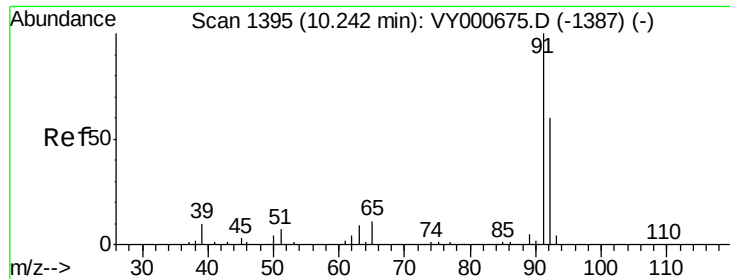
MMDadoda
 11/15/2019 3:04:54 PM



#40
 4-Methyl-2-pentanone
 Concen: 4.093 ug/L
 RT: 10.08 min Scan# 1368
 Delta R.T. 0.01 min
 Lab File: VY000680.D
 Acq: 14 Nov 2019 18:58

Tgt Ion: 43 Resp: 9397
 Ion Ratio Lower Upper
 43 100
 58 40.2 30.2 45.2
 100 12.1 12.2 18.2#





#42

Toluene

Concen: 2.203 ug/L

RT: 10.25 min Scan# 1396

Delta R.T. 0.01 min

Lab File: VY000680.D

Acq: 14 Nov 2019 18:58

Instrument :

MSVOA_Y

ClientSampleId :

MDL1

Tot Ion: 91 Resp: 18808

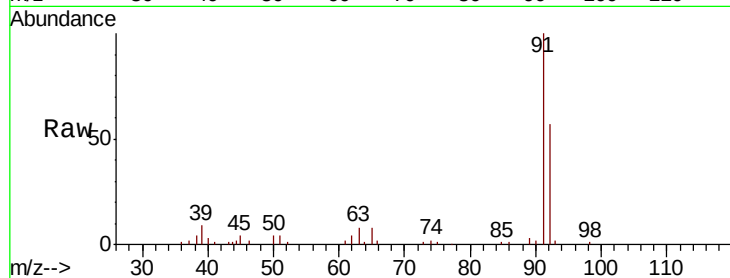
Ion Ratio Lower Upper

91 100

92 57.4 42.2 78.4

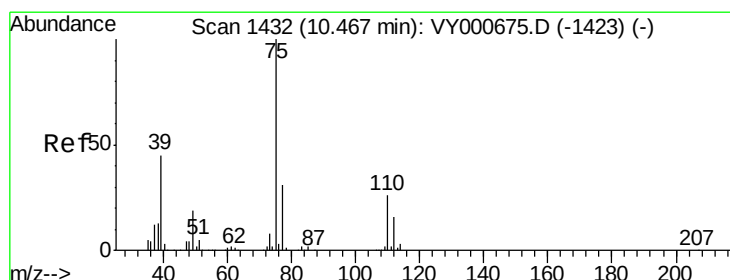
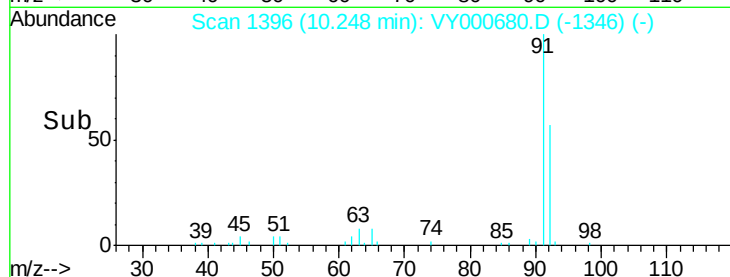
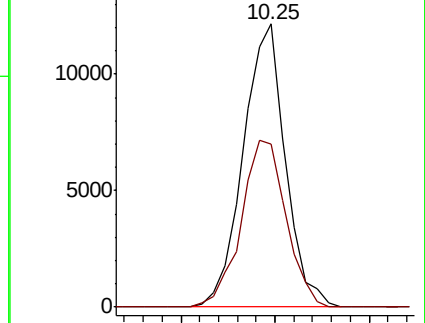
Manual Integrations
APPROVED

MMDadoda
11/15/2019 3:04:54 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: 2.568 ug/L

RT: 10.46 min Scan# 1431

Delta R.T. -0.01 min

Lab File: VY000680.D

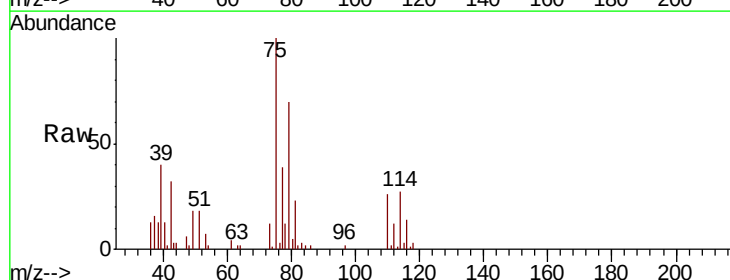
Acq: 14 Nov 2019 18:58

Tgt Ion: 75 Resp: 7645

Ion Ratio Lower Upper

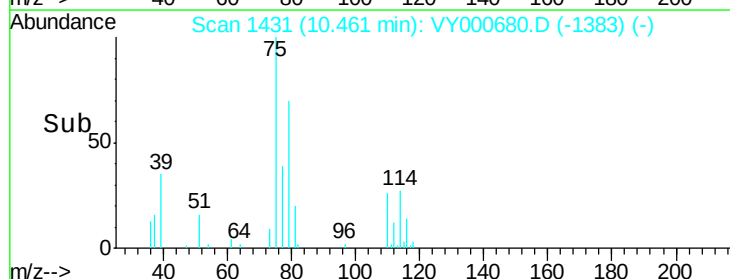
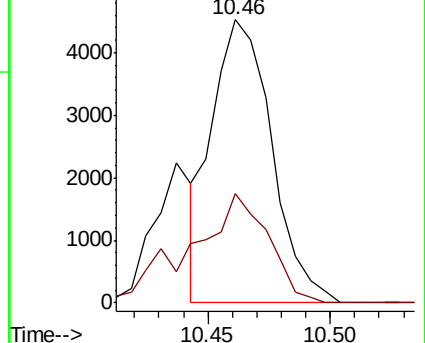
75 100

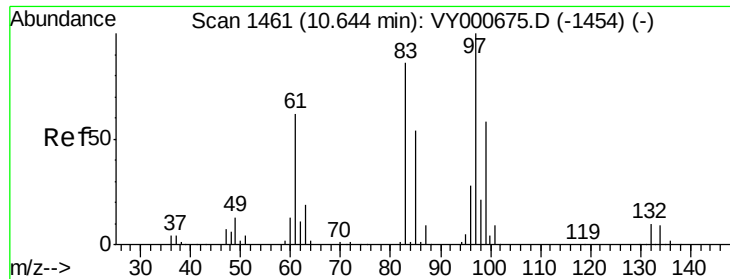
77 38.5 22.0 41.0



Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 77.00 (76.70 to 77.70): VY0





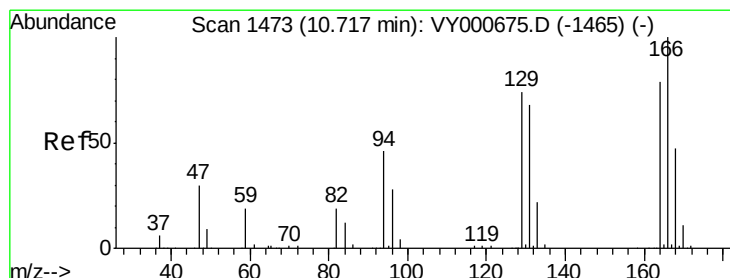
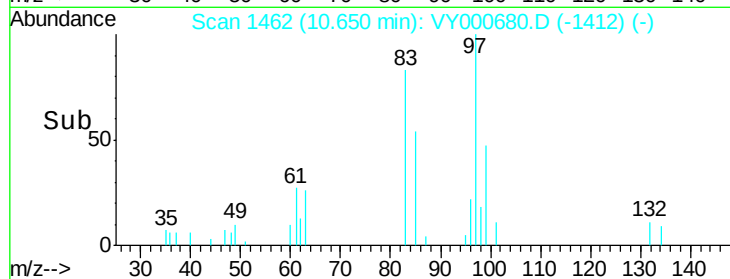
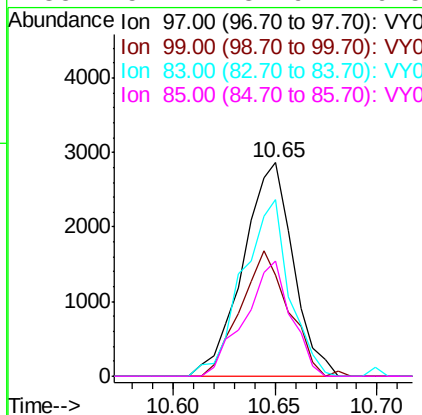
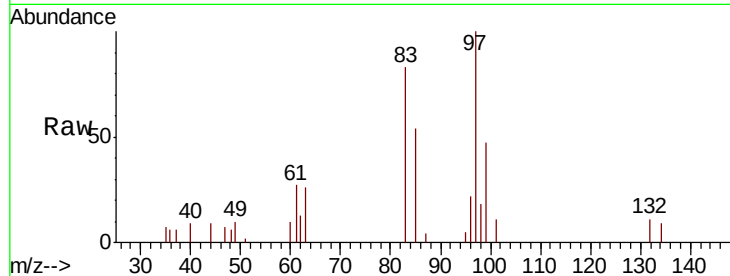
#45
1,1,2-Trichloroethane
Concen: 2.582 ug/L
RT: 10.65 min Scan# 1462
Delta R.T. 0.01 min
Lab File: VY000680.D
Acq: 14 Nov 2019 18:58

Instrument :
MSVOA_Y
ClientSampleId :
MDL1

Tot Ion:	97	Resp:	4902
Ion	Ratio	Lower	Upper
97	100		
99	47.1	40.6	75.4
83	82.9	60.0	111.4
85	54.2	37.9	70.5

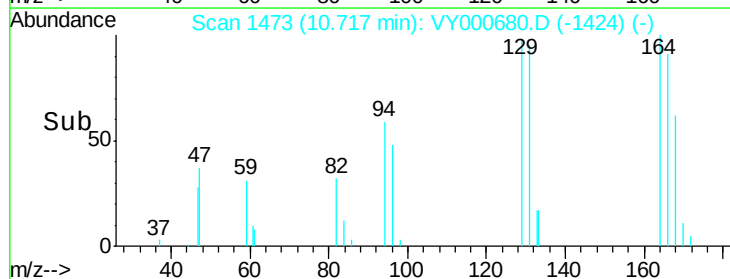
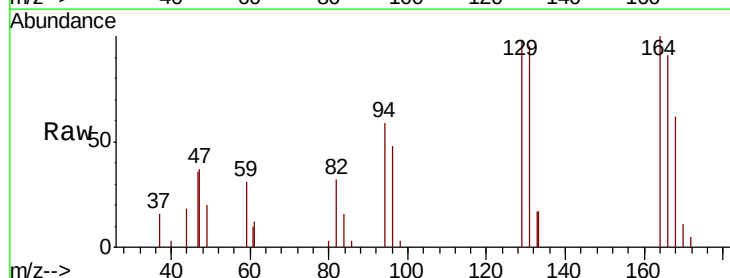
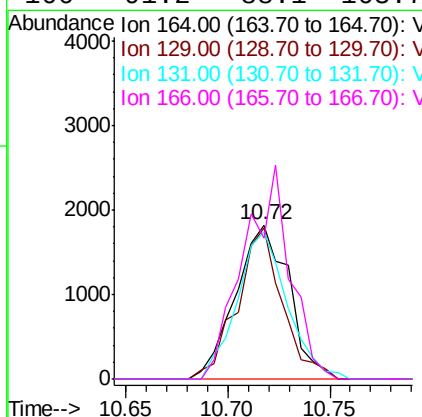
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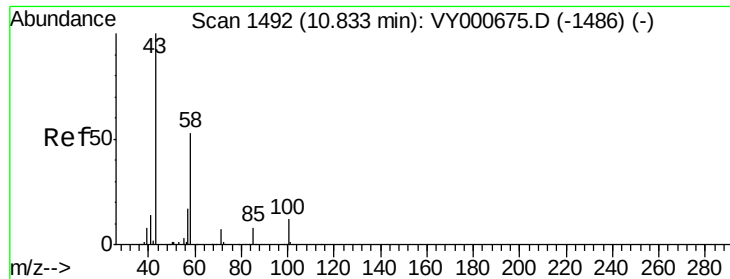
MMDadoda
11/15/2019 3:04:54 PM



#46
Tetrachloroethene
Concen: 2.109 ug/L
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY000680.D
Acq: 14 Nov 2019 18:58

Tgt Ion:	164	Resp:	3306
Ion	Ratio	Lower	Upper
164	100		
129	97.6	65.5	121.7
131	95.1	60.1	111.7
166	91.2	88.1	163.7





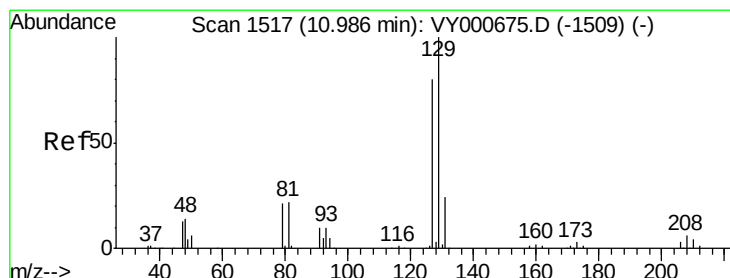
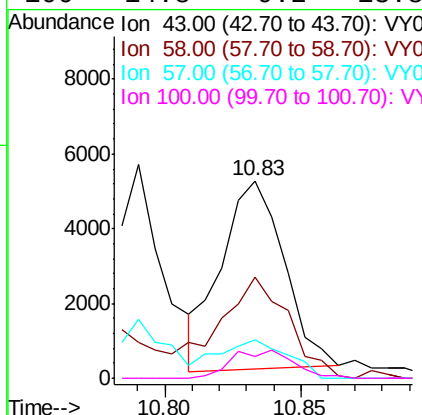
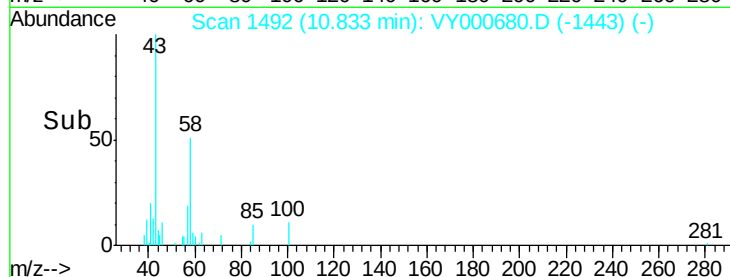
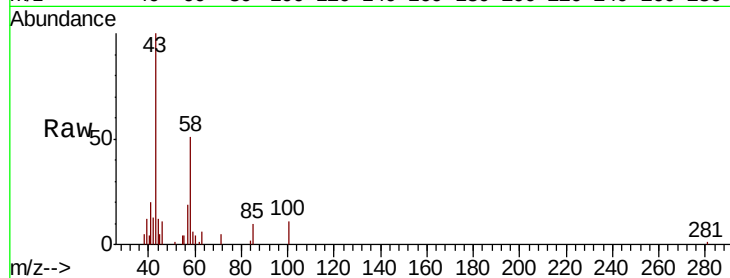
#48
2-Hexanone
Concen: 4.878 ug/L
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY000680.D
Acq: 14 Nov 2019 18:58

Instrument :
MSVOA_Y
ClientSampleId :
MDL1

Tot Ion	Ratio	Lower	Upper
43	100		
58	59.2	42.3	63.5
57	22.6	13.8	20.6
100	14.8	9.2	13.8

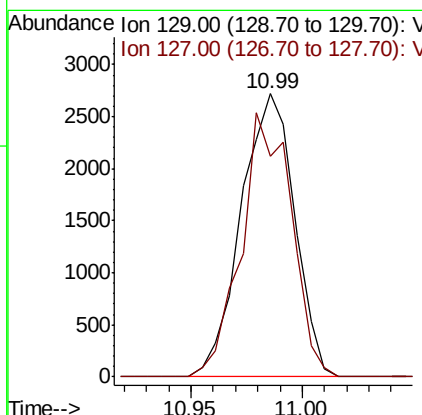
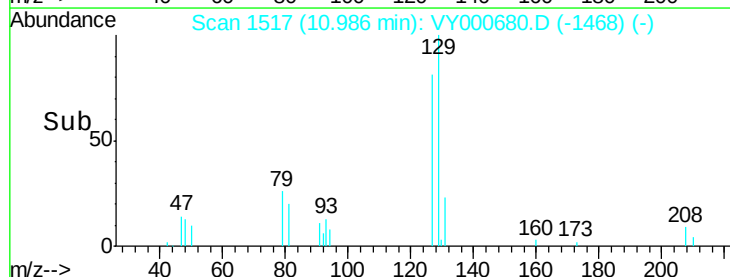
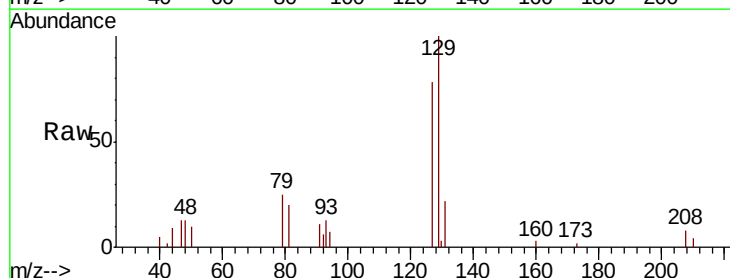
Manual Integrations
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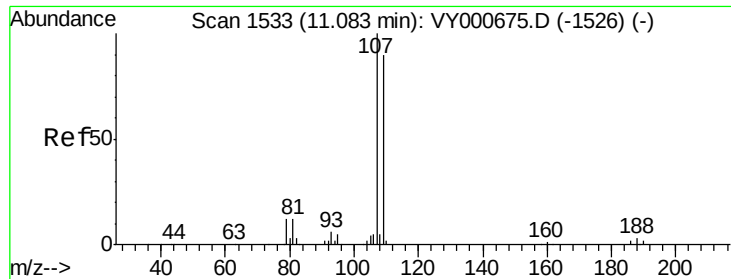
MMDadoda
11/15/2019 3:04:54 PM



#49
Dibromochloromethane
Concen: 2.210 ug/L
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY000680.D
Acq: 14 Nov 2019 18:58

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.2	55.9	103.7





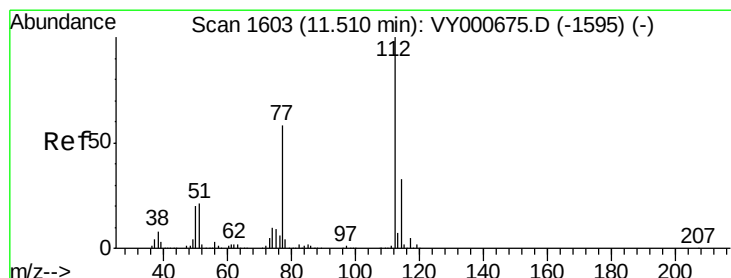
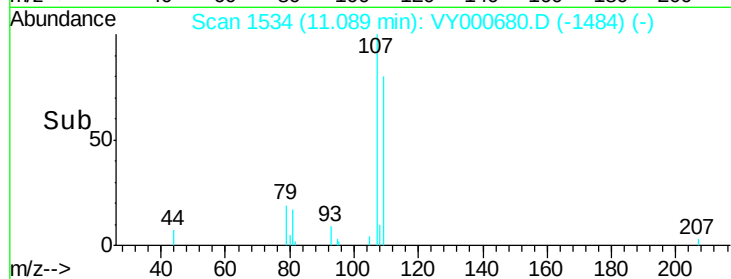
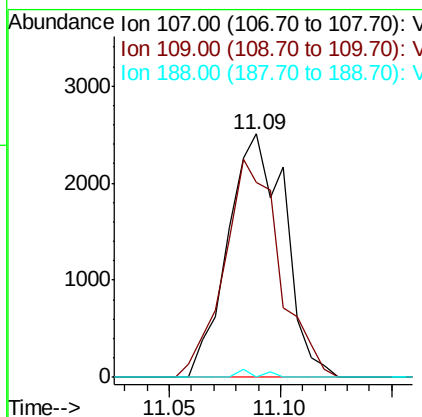
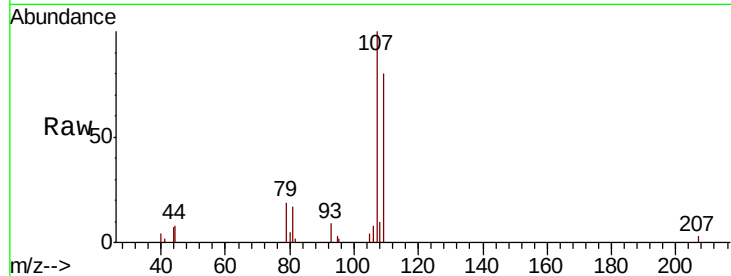
#50
 1,2-Dibromoethane
 Concen: 2.361 ug/L
 RT: 11.09 min Scan# 1534
 Delta R.T. 0.01 min
 Lab File: VY000680.D
 Acq: 14 Nov 2019 18:58

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL1

Tot Ion	Ratio	Lower	Upper
107	100		
109	80.3	62.9	116.9
188	0.0	2.4	3.6#

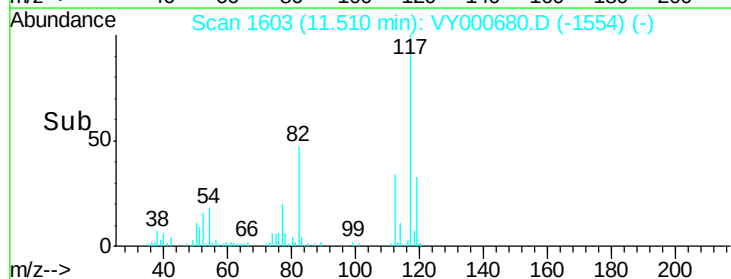
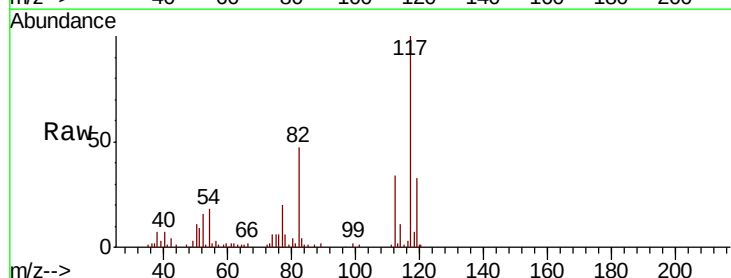
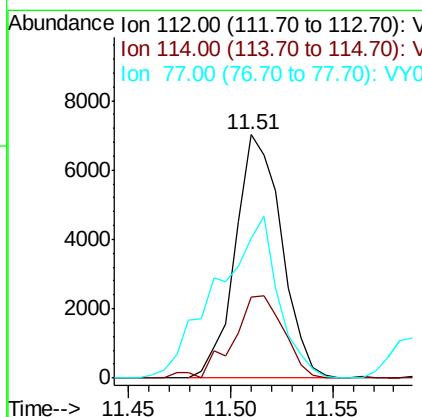
Manual Integrations
 APPROVED

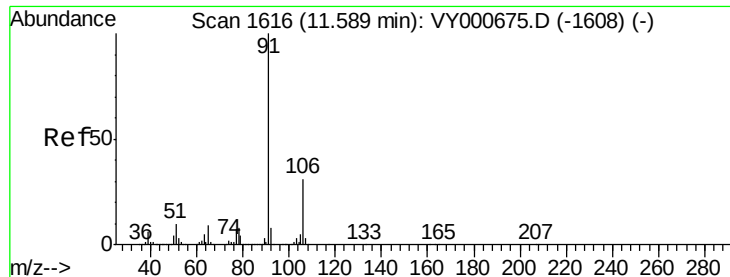
MMDadoda
 11/15/2019 3:04:54 PM



#51
 Chlorobenzene
 Concen: 2.005 ug/L
 RT: 11.51 min Scan# 1603
 Delta R.T. 0.00 min
 Lab File: VY000680.D
 Acq: 14 Nov 2019 18:58

Tgt Ion	Ratio	Lower	Upper
112	100		
114	33.5	23.3	43.3
77	57.7	46.5	69.7





#52

Ethylbenzene

Concen: 1.951 ug/L

RT: 11.59 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VY000680.D

Acq: 14 Nov 2019 18:58

Instrument :

MSVOA_Y

ClientSampleId :

MDL1

Tot Ion: 91 Resp: 19016

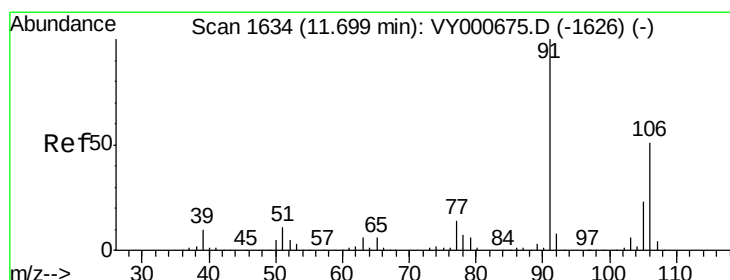
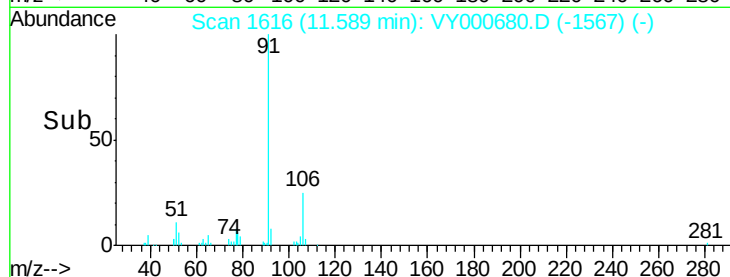
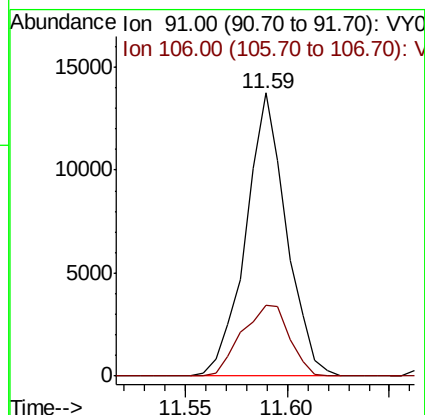
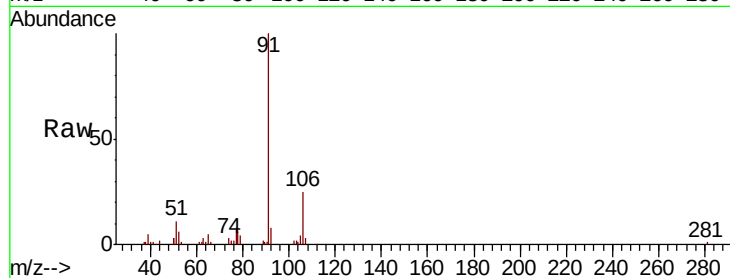
Ion Ratio Lower Upper

91 100

106 25.3 21.8 40.6

Manual Integrations
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#53

m,p-Xylene

Concen: 2.194 ug/L

RT: 11.70 min Scan# 1635

Delta R.T. 0.01 min

Lab File: VY000680.D

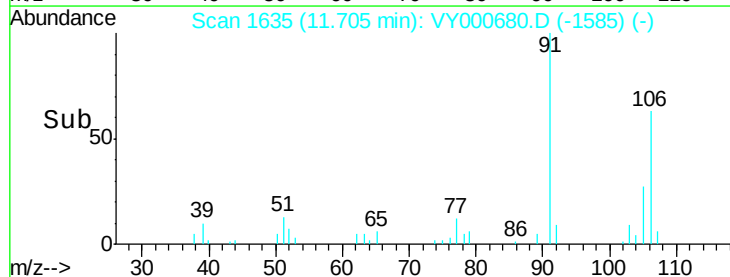
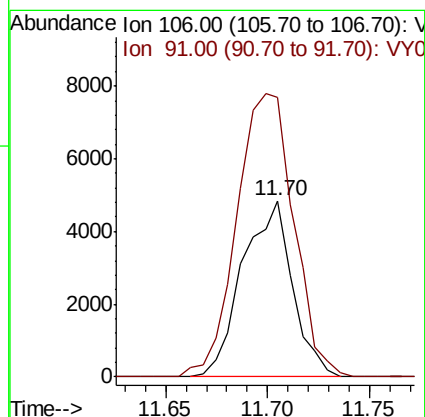
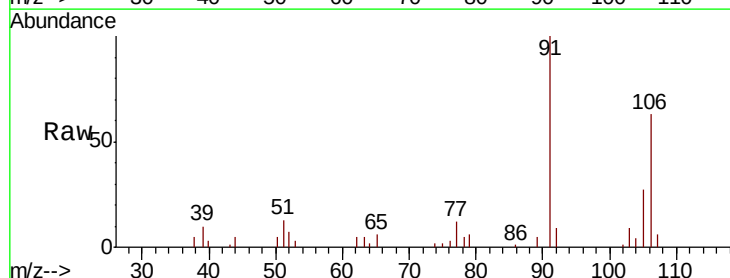
Acq: 14 Nov 2019 18:58

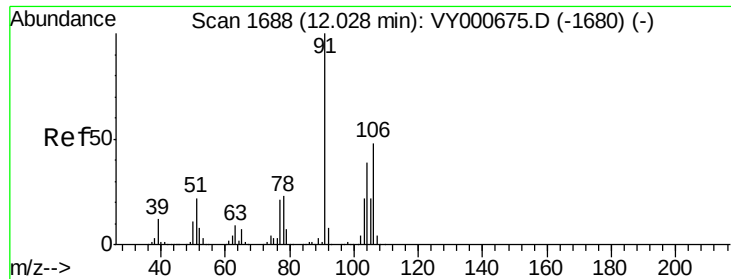
Tgt Ion: 106 Resp: 8225

Ion Ratio Lower Upper

106 100

91 158.7 137.6 255.6





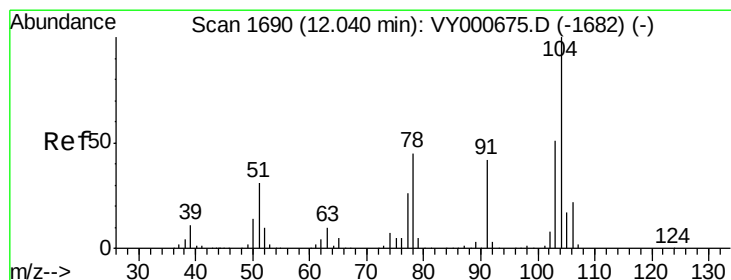
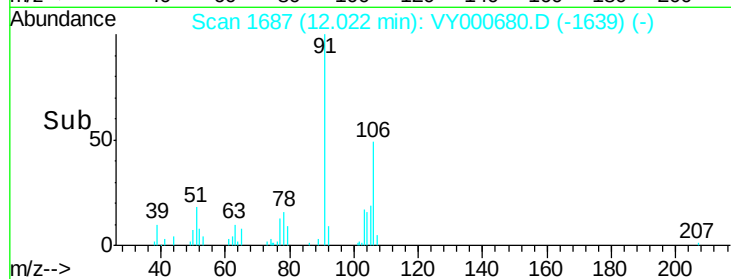
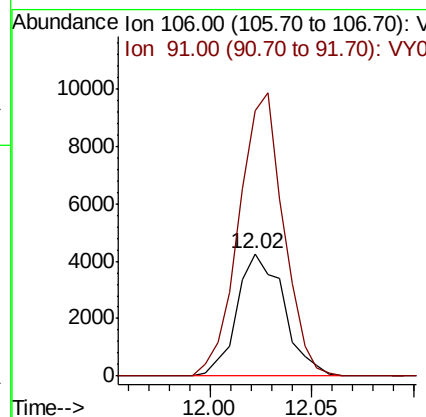
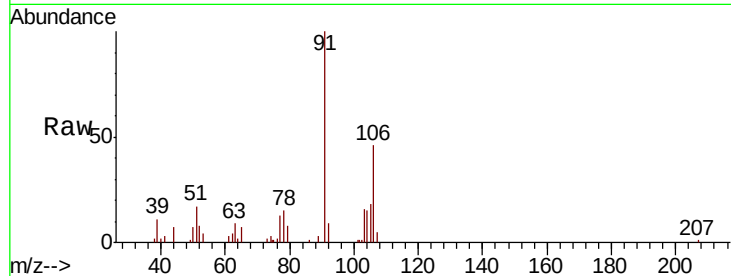
#54
o-xylene
Concen: 1.858 ug/L
RT: 12.02 min Scan# 1687
Delta R.T. -0.01 min
Lab File: VY000680.D
Acq: 14 Nov 2019 18:58

Instrument :
MSVOA_Y
ClientSampleId :
MDL1

Tot Ion:106 Resp: 6828
Ion Ratio Lower Upper
106 100
91 216.6 145.9 270.9

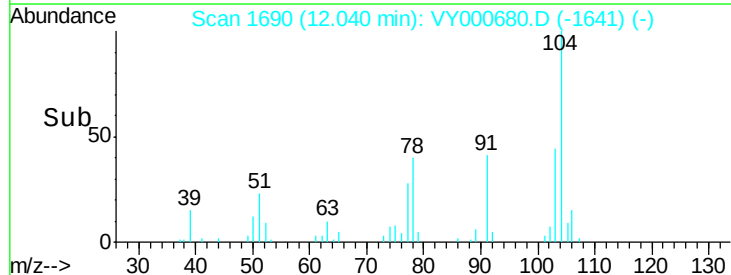
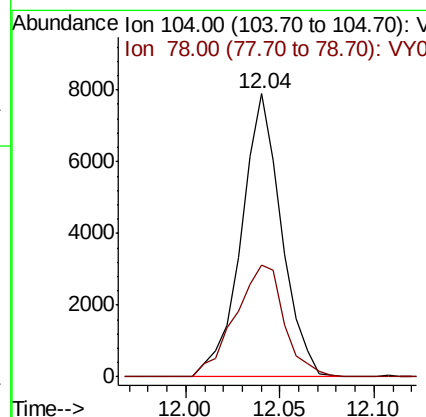
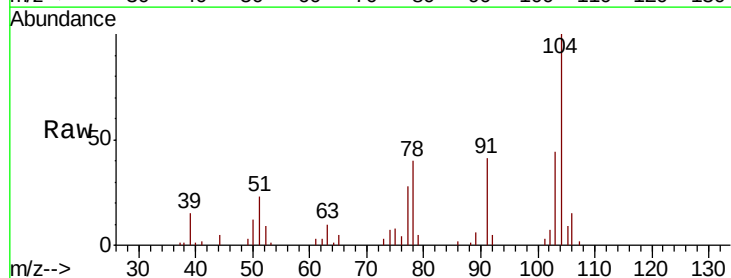
Manual Integrations
APPROVED

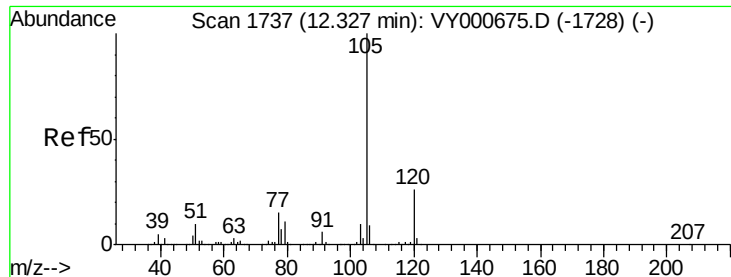
MMDadoda
11/15/2019 3:04:54 PM



#55
Styrene
Concen: 1.866 ug/L
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY000680.D
Acq: 14 Nov 2019 18:58

Tgt Ion:104 Resp: 11653
Ion Ratio Lower Upper
104 100
78 39.6 31.4 58.4





#56

Isopropylbenzene

Concen: 1.748 ug/L

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY000680.D

Acq: 14 Nov 2019 18:58

Instrument :

MSVOA_Y

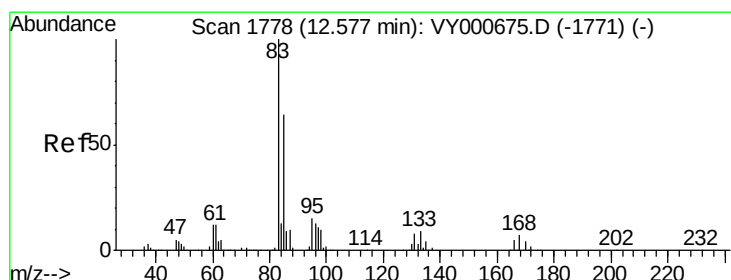
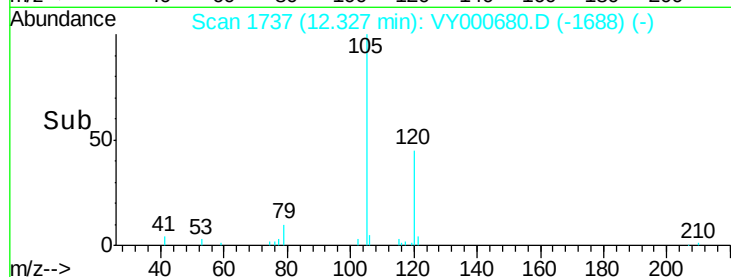
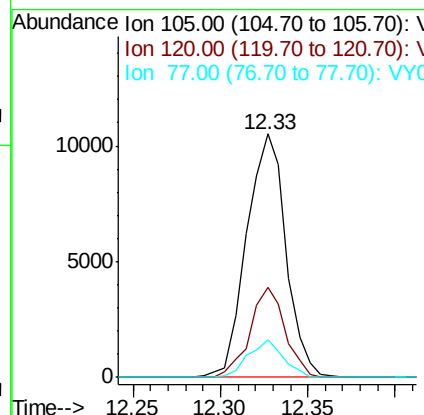
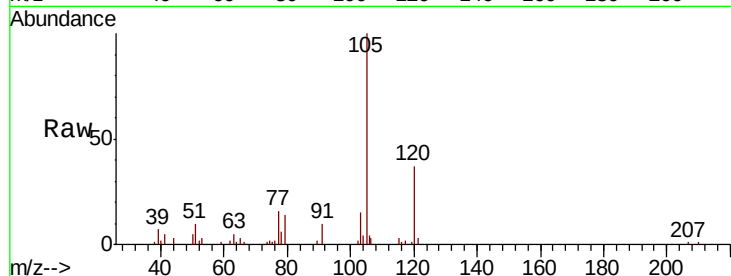
ClientSampleId :

MDL1

Tot Ion:	105	Resp:	16436
Ion Ratio	Lower	Upper	
105	100		
120	32.7	21.4	32.2#
77	13.7	12.9	19.3

Manual Integrations
APPROVED

MMDadoda
11/15/2019 3:04:54 PM



#58

1,1,2,2-Tetrachloroethane

Concen: 2.550 ug/L

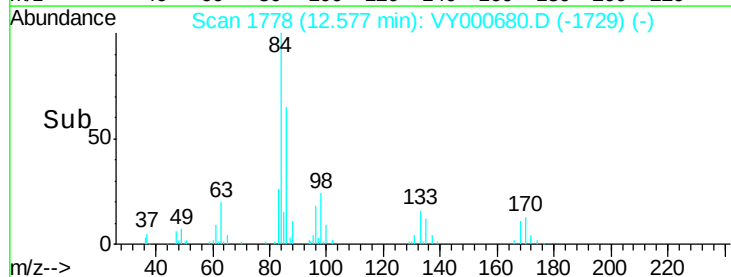
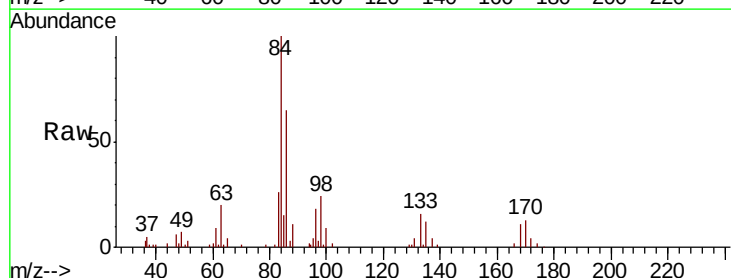
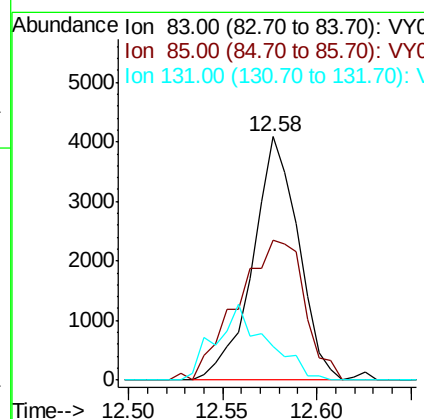
RT: 12.58 min Scan# 1778

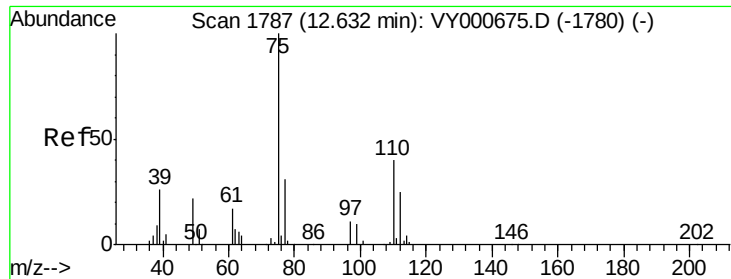
Delta R.T. 0.00 min

Lab File: VY000680.D

Acq: 14 Nov 2019 18:58

Tgt Ion:	83	Resp:	6849
Ion Ratio	Lower	Upper	
83	100		
85	57.3	45.0	83.6
131	13.8	6.6	9.8#





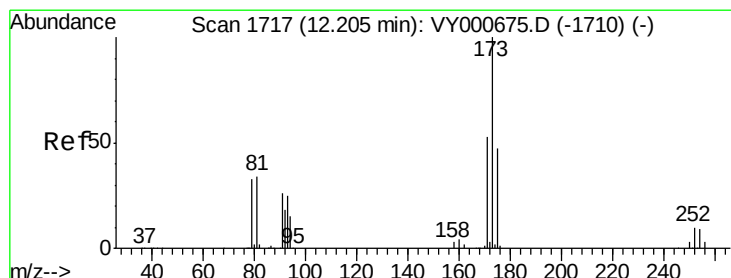
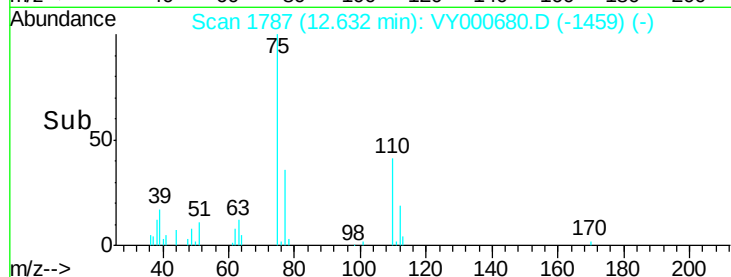
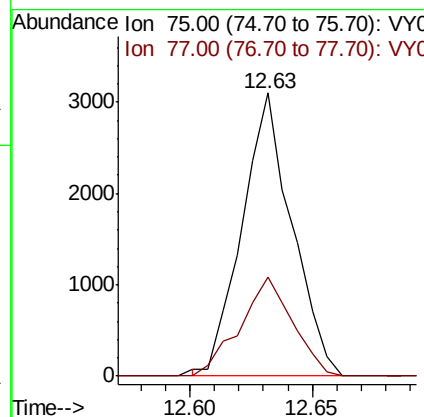
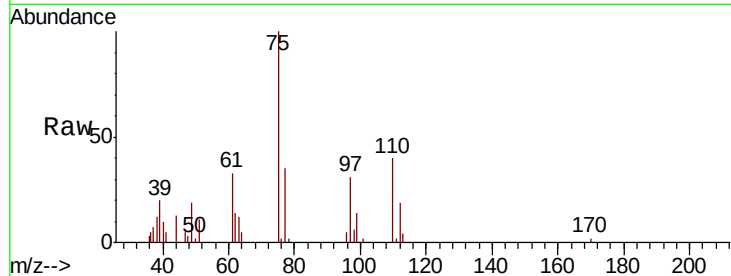
#59
 1,2,3-Trichloropropane
 Concen: 2.066 ug/L
 RT: 12.63 min Scan# 1787
 Delta R.T. 0.00 min
 Lab File: VY000680.D
 Acq: 14 Nov 2019 18:58

Instrument :
 MSVOA_Y
 ClientSampled :
 MDL1

Tot Ion	Ratio	Lower	Upper
75	100		
77	36.8	25.5	38.3

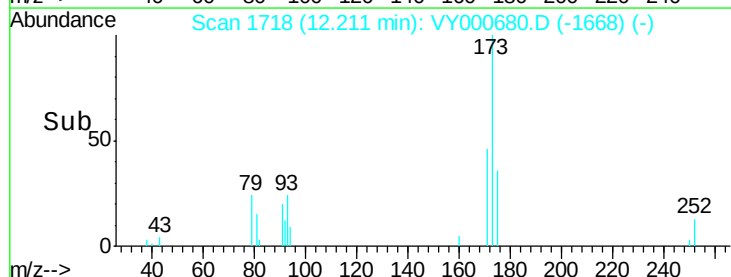
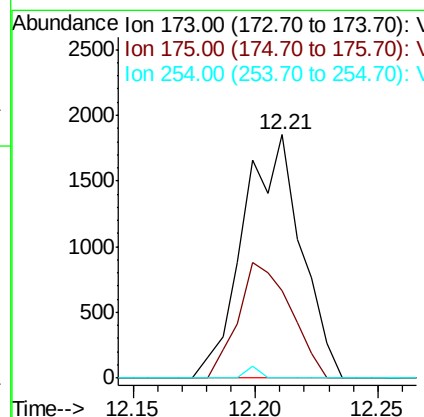
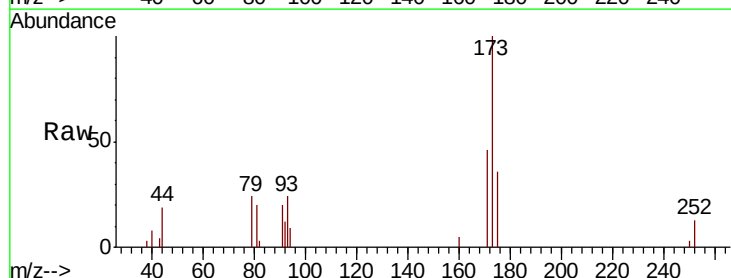
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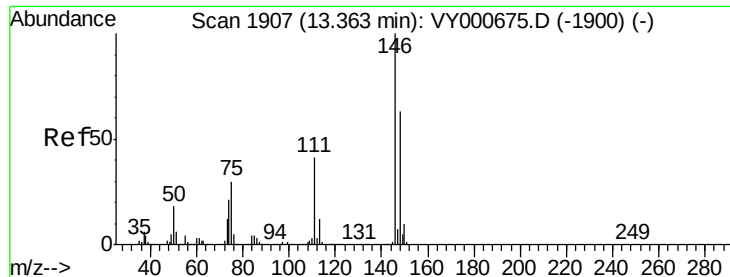
MMDadoda
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#61
 Bromoform
 Concen: 2.427 ug/L
 RT: 12.21 min Scan# 1718
 Delta R.T. 0.01 min
 Lab File: VY000680.D
 Acq: 14 Nov 2019 18:58

Tgt Ion	Ratio	Lower	Upper
173	100		
175	42.9	36.6	55.0
254	0.0	7.4	11.2#





#62

1,3-Dichlorobenzene

Concen: 2.417 ug/L

RT: 13.36 min Scan# 1907

Delta R.T. 0.00 min

Lab File: VY000680.D

Acq: 14 Nov 2019 18:58

Instrument :

MSVOA_Y

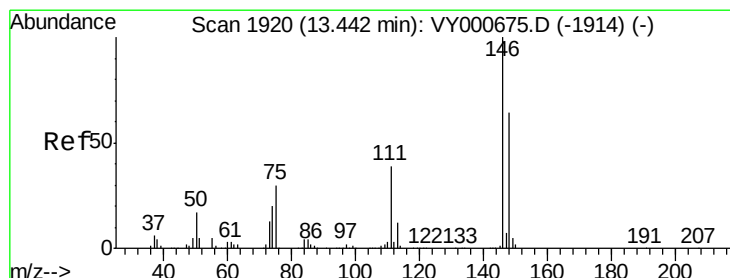
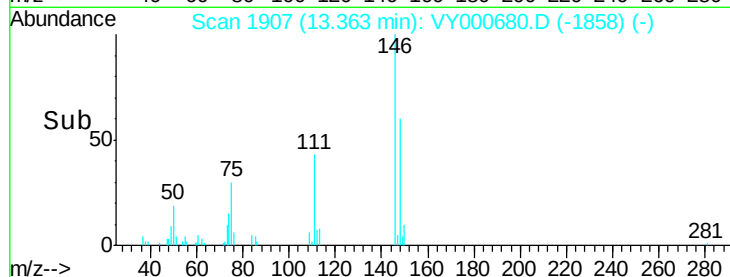
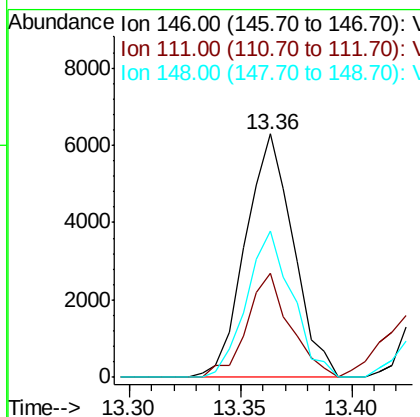
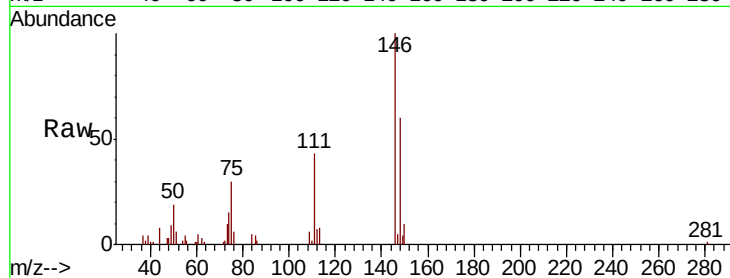
ClientSampleId :

MDL1

Tot Ion:	146	Resp:	9425
Ion Ratio	Lower	Upper	
146	100		
111	42.9	28.4	52.8
148	60.0	44.1	81.9

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#63

1,4-Dichlorobenzene

Concen: 2.338 ug/L

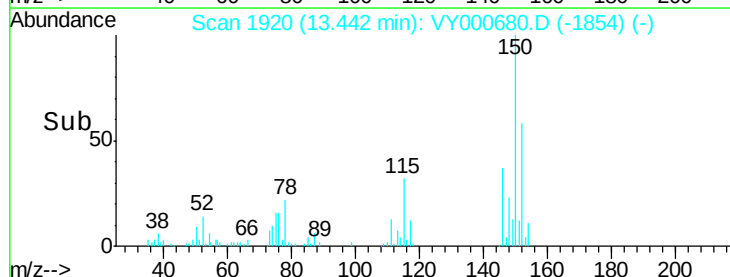
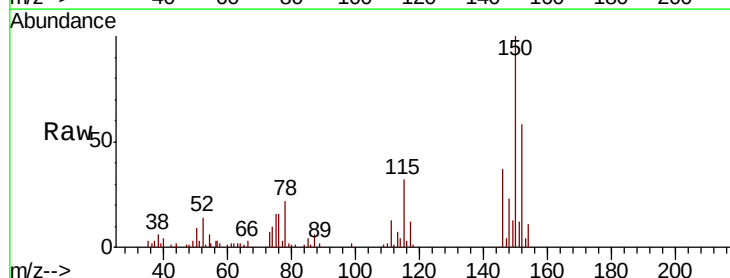
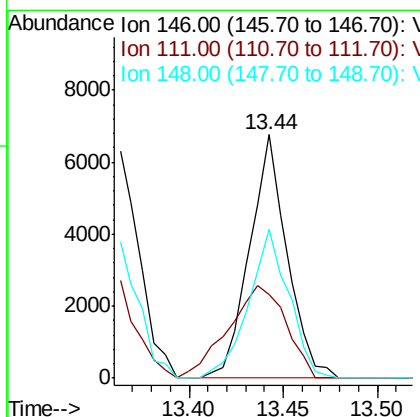
RT: 13.44 min Scan# 1920

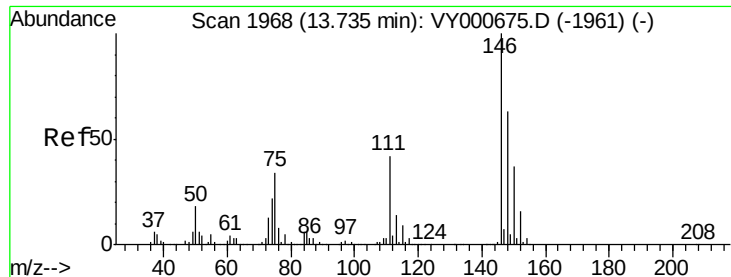
Delta R.T. 0.00 min

Lab File: VY000680.D

Acq: 14 Nov 2019 18:58

Tgt Ion:	146	Resp:	9339
Ion Ratio	Lower	Upper	
146	100		
111	34.3	27.4	51.0
148	61.1	45.2	84.0





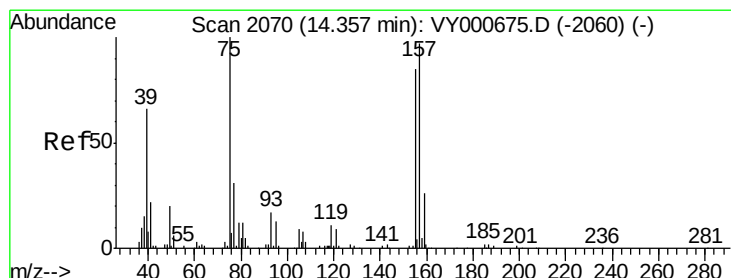
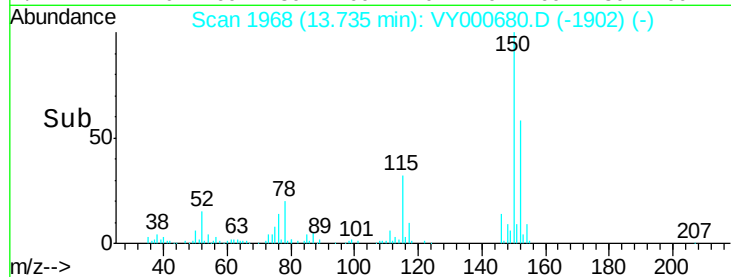
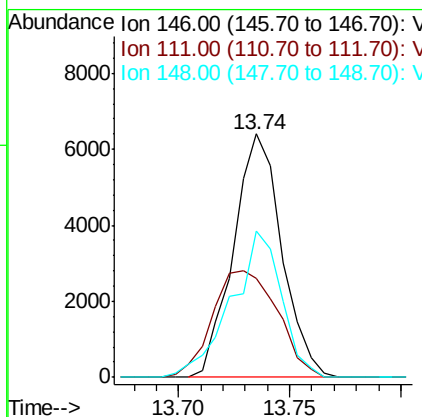
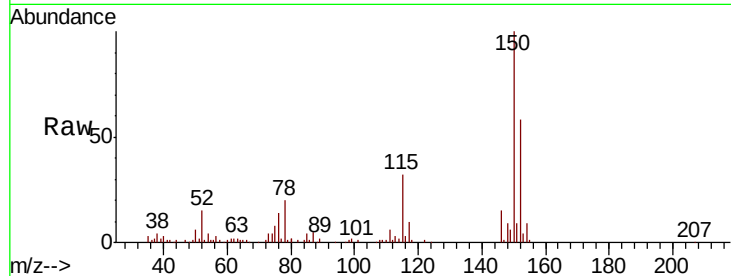
#65
 1,2-Dichlorobenzene
 Concen: 2.527 ug/L
 RT: 13.74 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VY000680.D
 Acq: 14 Nov 2019 18:58

Instrument :
 MSVOA_Y
 ClientSampled :
 MDL1

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	33.4	50.0
148	60.1	50.8	76.2

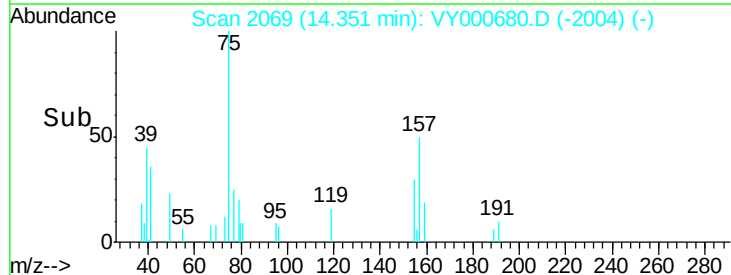
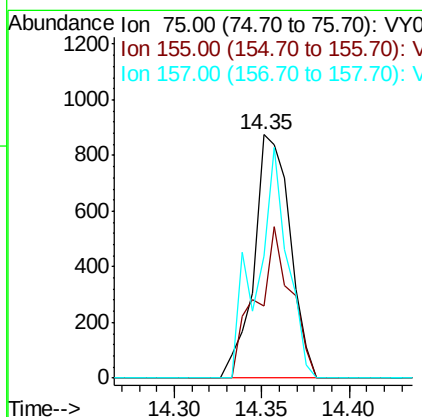
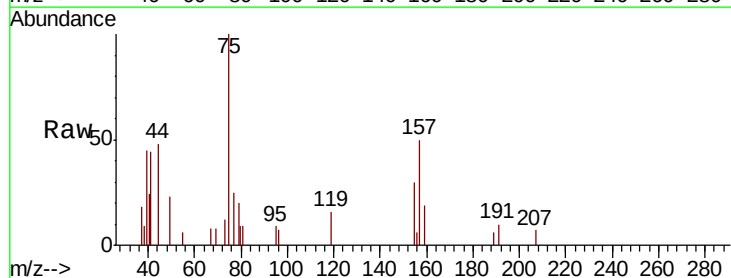
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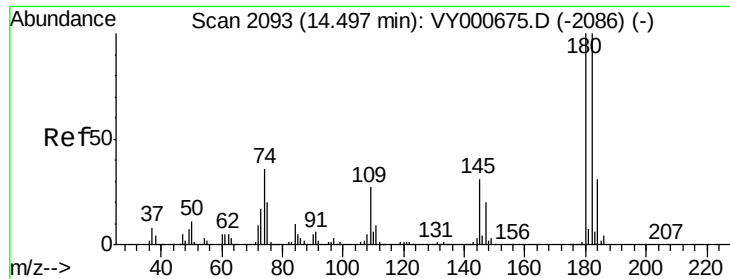
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#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.699 ug/L
 RT: 14.35 min Scan# 2069
 Delta R.T. -0.01 min
 Lab File: VY000680.D
 Acq: 14 Nov 2019 18:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	29.7	67.7	101.5#
157	49.9	77.8	116.8#





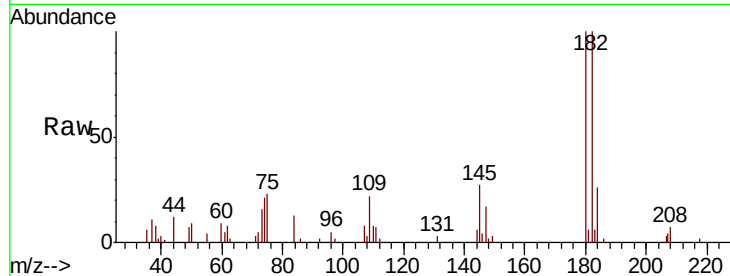
#67
 1,3,5-Trichlorobenzene
 Concen: 2.224 ug/L
 RT: 14.50 min Scan# 2094
 Delta R.T. 0.01 min
 Lab File: VY000680.D
 Acq: 14 Nov 2019 18:58

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL1

Tot Ion	Ratio	Lower	Upper
180	100		
182	100.5	77.8	116.6
184	28.3	25.2	37.8
145	30.6	24.9	37.3

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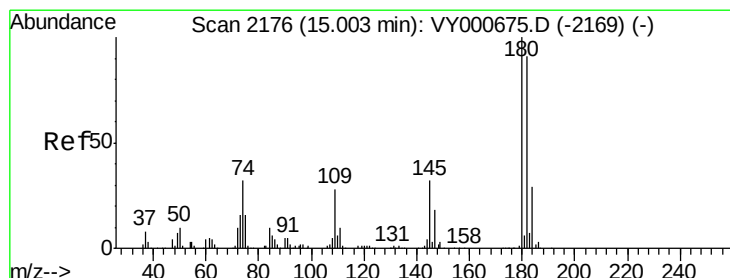
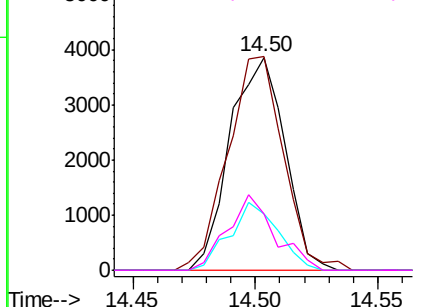
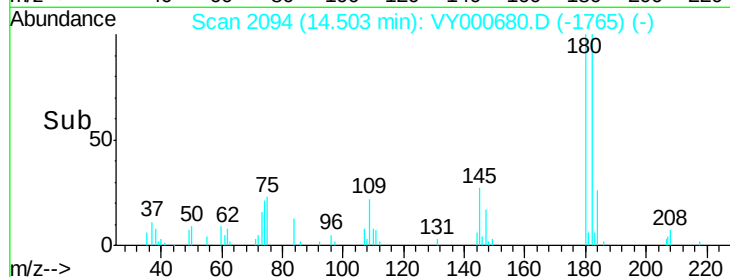
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

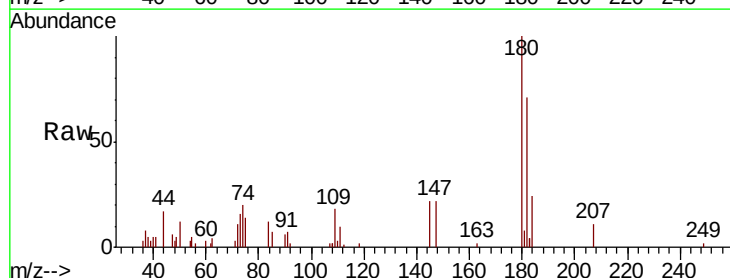
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 2.501 ug/L
 RT: 15.01 min Scan# 2177
 Delta R.T. 0.01 min
 Lab File: VY000680.D
 Acq: 14 Nov 2019 18:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	85.1	75.5	113.3
145	26.6	25.4	38.0

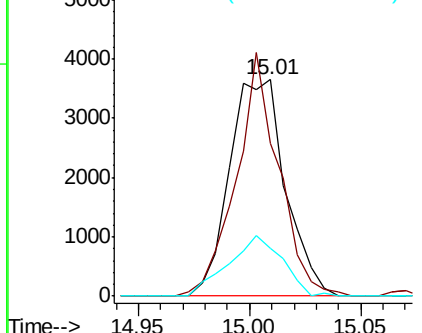
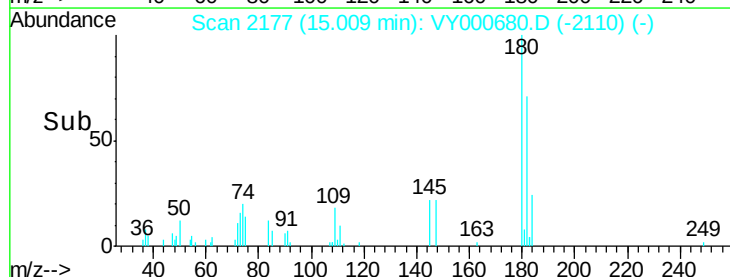


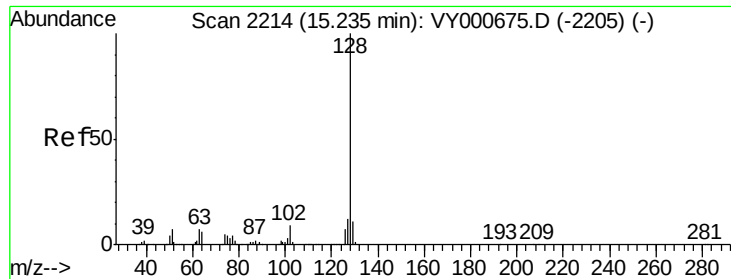
Abundance

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





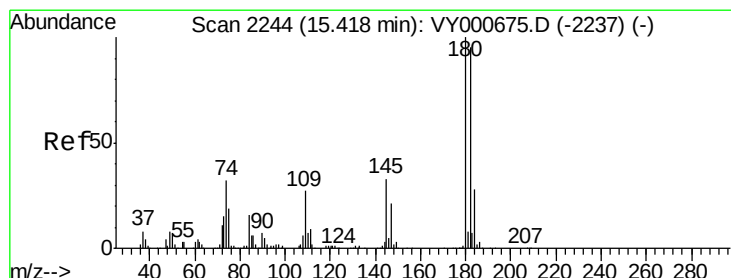
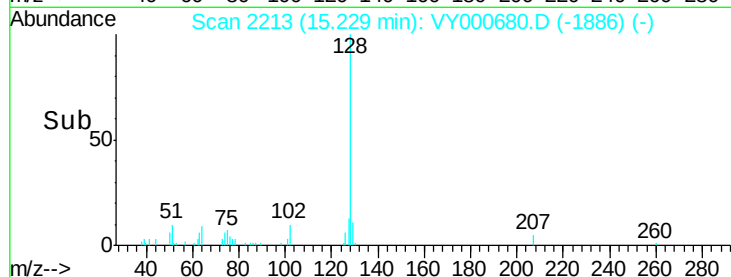
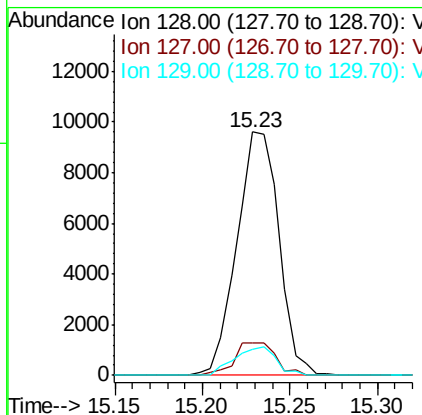
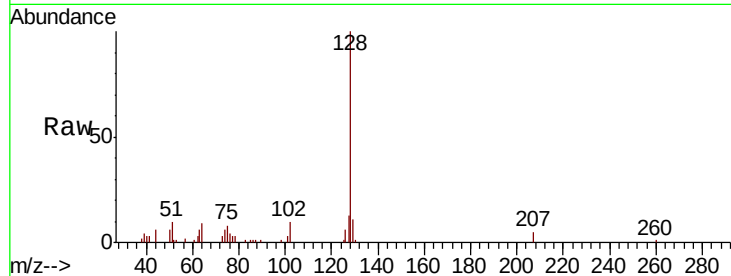
#69
Naphthalene
Concen: 2.112 ug/L
RT: 15.23 min Scan# 2213
Delta R.T. -0.01 min
Lab File: VY000680.D
Acq: 14 Nov 2019 18:58

Instrument :
MSVOA_Y
ClientSampleId :
MDL1

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.1	15.1
129	11.6	8.7	13.1

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#70
1,2,3-Trichlorobenzene
Concen: 2.393 ug/L
RT: 15.42 min Scan# 2244
Delta R.T. 0.00 min
Lab File: VY000680.D
Acq: 14 Nov 2019 18:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	88.5	75.3	112.9
145	33.5	25.8	38.8

