

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111419\
 Data File : VY000681.D
 Acq On : 14 Nov 2019 19:20
 Operator : SY/MD
 Sample : MDL2
 Misc : 5ML/MSVOA Y/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL2

Manual Integrations
 APPROVED

MMDadoda
 11/15/2019 3:05:00 PM

Quant Time: Nov 15 13:56:01 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	8.69	114	317485	50.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	277237	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	129097	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	122240	49.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.04%
7) Chloroethane-d5	2.76	69	110860	53.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	107.84%
11) 1,1-Dichloroethene-d2	3.85	63	174650	40.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.48%
21) 2-Butanone-d5	6.91	46	119344	121.31	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	121.31%
24) Chloroform-d	7.49	84	209443	58.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	116.54%
26) 1,2-Dichloroethane-d4	8.15	65	137947	54.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.80%
32) Benzene-d6	8.11	84	438443	56.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	113.10%
36) 1,2-Dichloropropane-d6	9.13	67	139832	58.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	116.92%
41) Toluene-d8	10.18	98	388001	54.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.08%
43) trans-1,3-Dichloropropene-	10.44	79	66730	55.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	111.50%
47) 2-Hexanone-d5	10.79	63	83498	118.40	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	118.40%
57) 1,1,2,2-Tetrachloroethane-	12.56	84	152321	53.98	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.96%
64) 1,2-Dichlorobenzene-d4	13.72	152	144653	57.91	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	115.82%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.90	85	3293	1.816 ug/L	97
3) Chloromethane	2.11	50	6944	2.880 ug/L #	81
5) Vinyl chloride	2.25	62	6591	2.726 ug/L #	80
6) Bromomethane	2.65	94	3617	2.602 ug/L	94
8) Chloroethane	2.79	64	3863	2.546 ug/L	96
9) Trichlorofluoromethane	3.13	101	8292	2.323 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	3.89	101	5750m	2.887 ug/L	
12) 1,1-Dichloroethene	3.86	96	6232m	3.127 ug/L	
13) Acetone	3.94	43	5003m	7.064 ug/L	
14) Carbon disulfide	4.19	76	13849	2.519 ug/L	96
15) Methyl Acetate	4.49	43	4994	2.806 ug/L	97
16) Methylene chloride	4.72	84	6009	2.820 ug/L	94
17) trans-1,2-Dichloroethene	5.22	96	5140m	2.470 ug/L	
18) Methyl tert-butyl Ether	5.23	73	16830	2.687 ug/L #	85
19) 1,1-Dichloroethane	6.02	63	9795	2.619 ug/L	95
20) cis-1,2-Dichloroethene	6.99	96	6068m	2.602 ug/L	
22) 2-Butanone	7.01	43	7171m	6.434 ug/L	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.35	128	3350	3.116	ug/L #	60
25) Chloroform	7.52	83	15386	3.593	ug/L	99
27) 1,2-Dichloroethane	8.25	62	8085	2.765	ug/L #	92
29) Cyclohexane	7.79	56	5991	1.851	ug/L #	82
30) 1,1,1-Trichloroethane	7.70	97	7555m	2.495	ug/L	
31) Carbon tetrachloride	7.91	117	5815	2.145	ug/L	99
33) Benzene	8.17	78	21181	2.565	ug/L	100
34) Trichloroethene	8.94	95	5303	2.557	ug/L	87
35) Methylcyclohexane	9.19	83	6140	1.794	ug/L #	74
37) 1,2-Dichloropropane	9.23	63	5507	2.688	ug/L	99
38) Bromodichloromethane	9.50	83	7612	2.766	ug/L #	97
39) cis-1,3-Dichloropropene	9.93	75	8578m	2.464	ug/L	
40) 4-Methyl-2-pentanone	10.07	43	12039	5.123	ug/L	99
42) Toluene	10.25	91	21244	2.430	ug/L	100
44) trans-1,3-Dichloropropene	10.46	75	10606	3.480	ug/L	97
45) 1,1,2-Trichloroethane	10.64	97	4819	2.479	ug/L #	71
46) Tetrachloroethene	10.71	164	3914	2.439	ug/L #	79
48) 2-Hexanone	10.83	43	10130	5.970	ug/L #	95
49) Dibromochloromethane	10.98	129	5006	2.378	ug/L	93
50) 1,2-Dibromoethane	11.09	107	5145	2.645	ug/L #	93
51) Chlorobenzene	11.51	112	13905	2.469	ug/L	95
52) Ethylbenzene	11.59	91	21797	2.185	ug/L	95
53) m,p-Xylene	11.70	106	8318	2.168	ug/L	87
54) o-xylene	12.03	106	8356	2.221	ug/L	93
55) Styrene	12.04	104	13892	2.173	ug/L	95
56) Isopropylbenzene	12.33	105	19472	2.022	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	12.58	83	7672	2.791	ug/L #	96
59) 1,2,3-Trichloropropane	12.63	75	5897	2.711	ug/L	95
61) Bromoform	12.20	173	3153	2.412	ug/L #	85
62) 1,3-Dichlorobenzene	13.36	146	10511	2.596	ug/L	96
63) 1,4-Dichlorobenzene	13.44	146	10736	2.588	ug/L	99
65) 1,2-Dichlorobenzene	13.73	146	10706	2.685	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.35	75	1565	3.249	ug/L	91
67) 1,3,5-Trichlorobenzene	14.50	180	6988	2.473	ug/L	98
68) 1,2,4-trichlorobenzene	15.01	180	6880	2.595	ug/L	96
69) Naphthalene	15.23	128	19789	2.498	ug/L	98
70) 1,2,3-Trichlorobenzene	15.42	180	7156	2.805	ug/L	96

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

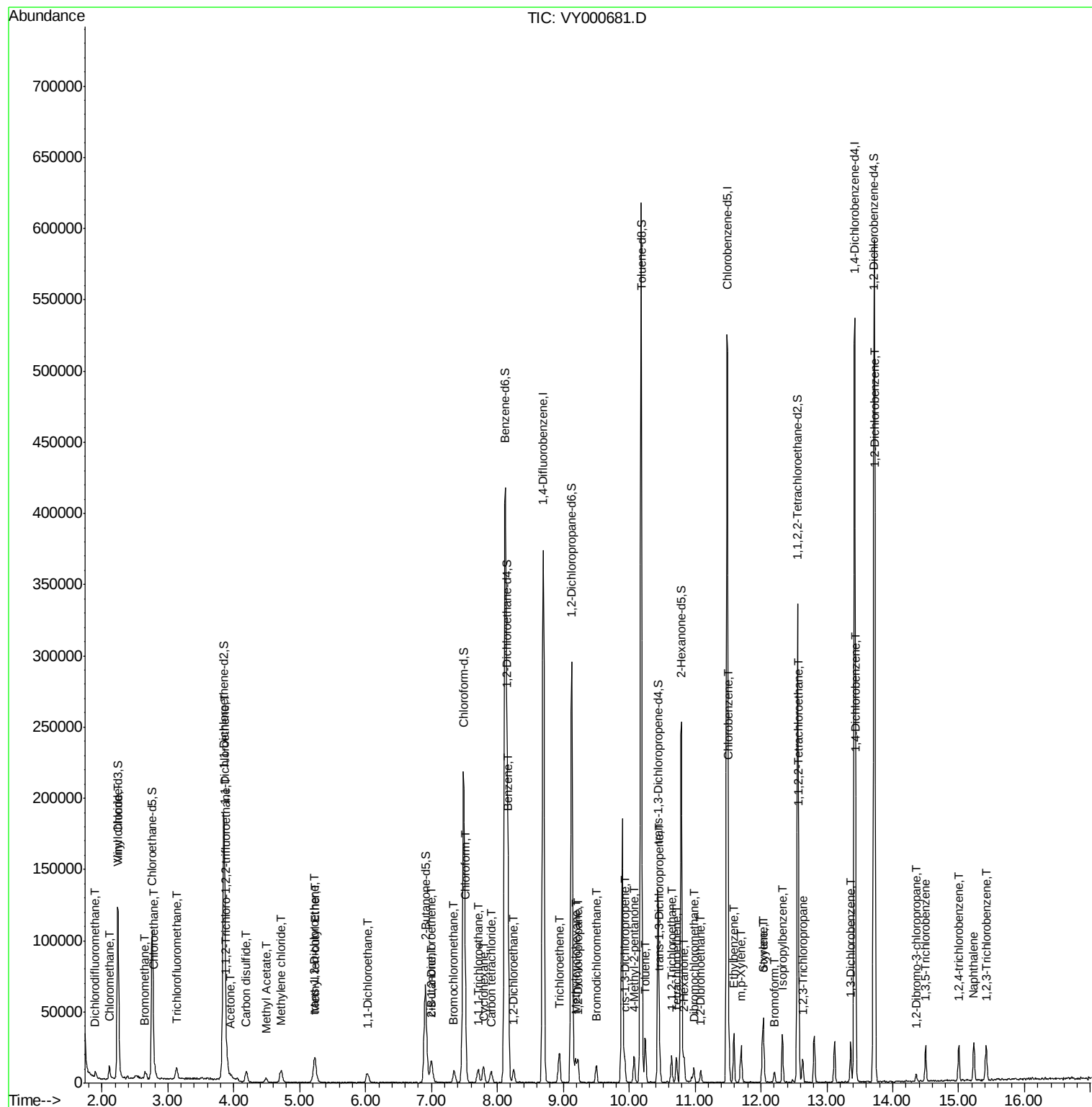
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY111419\
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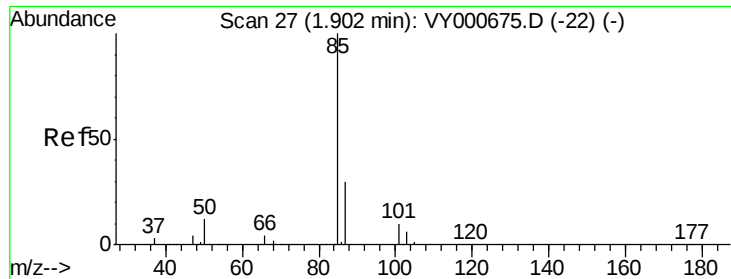
Instrument :
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#2

Dichlorodifluoromethane

Concen: 1.816 ug/L

RT: 1.90 min Scan# 26

Delta R.T. -0.01 min

Lab File: VY000681.D

Acq: 14 Nov 2019 19:20

Instrument :

MSVOA_Y

ClientSampleId :

MDL2

Tot Ion: 85 Resp: 3293

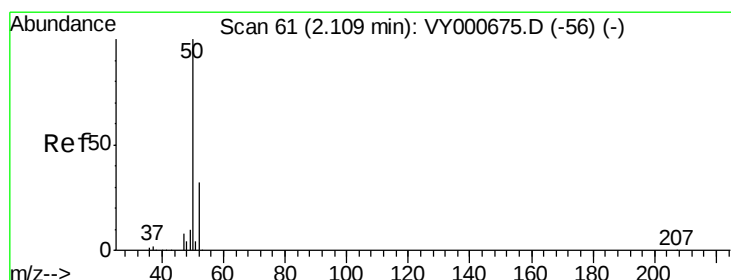
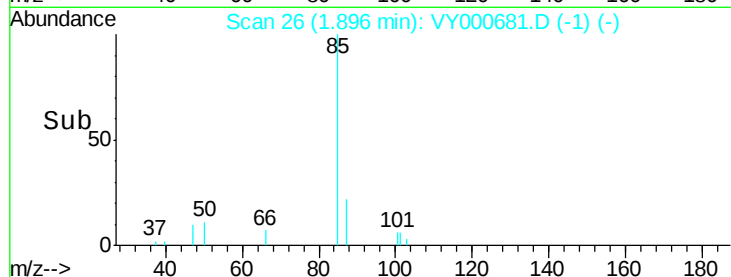
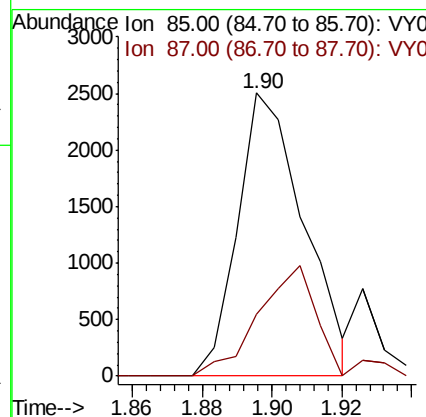
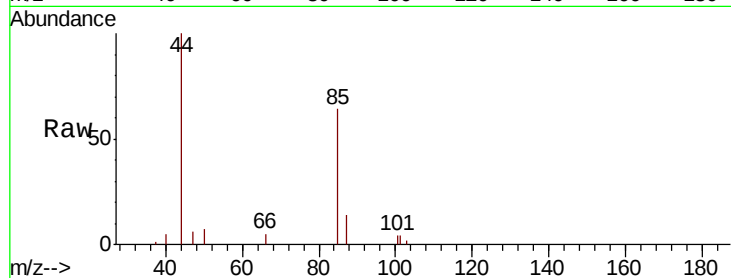
Ion Ratio Lower Upper

85 100

87 33.8 25.8 38.6

Manual Integrations
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#3

Chloromethane

Concen: 2.880 ug/L

RT: 2.11 min Scan# 61

Delta R.T. -0.00 min

Lab File: VY000681.D

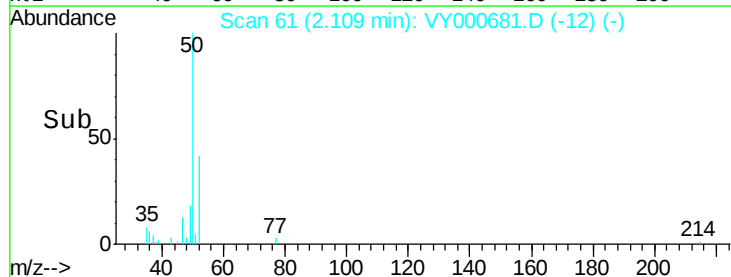
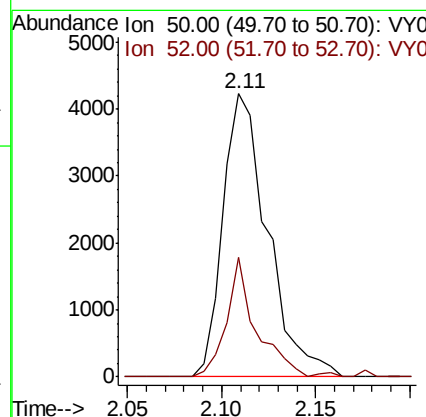
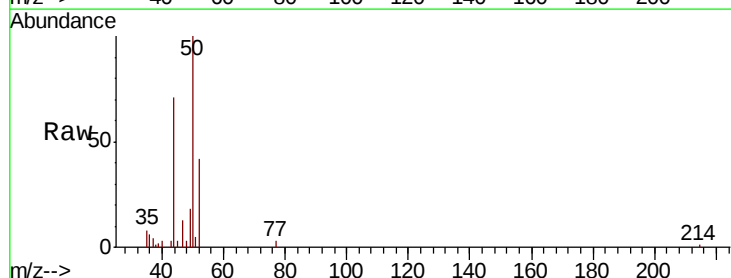
Acq: 14 Nov 2019 19:20

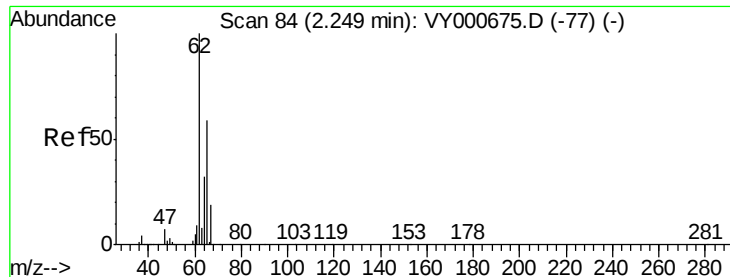
Tgt Ion: 50 Resp: 6944

Ion Ratio Lower Upper

50 100

52 42.4 22.2 41.2#





#5

Vinyl chloride

Concen: 2.726 ug/L

RT: 2.25 min Scan# 84

Delta R.T. -0.00 min

Lab File: VY000681.D

Acq: 14 Nov 2019 19:20

Instrument :

MSVOA_Y

ClientSampled :

MDL2

Tot Ion: 62 Resp: 6591

Ion Ratio Lower Upper

62 100

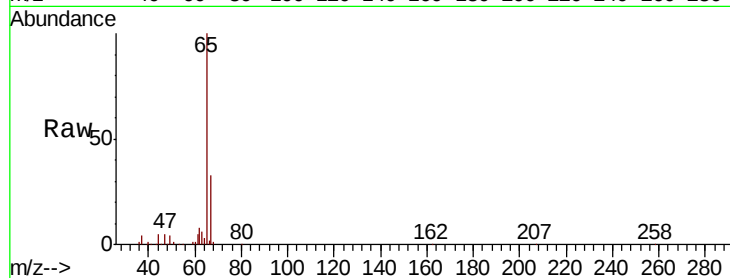
64 43.6 22.7 42.1#

Manual Integrations

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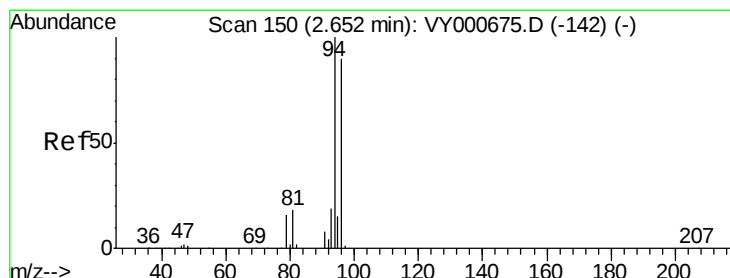
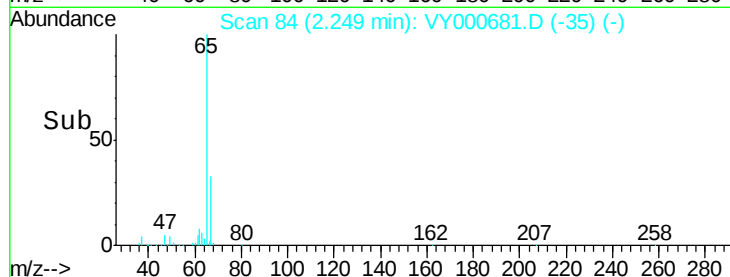
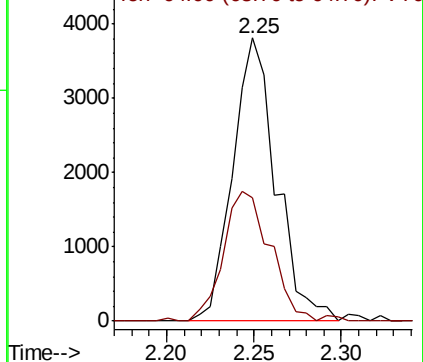
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Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 64.00 (63.70 to 64.70): VY0



#6

Bromomethane

Concen: 2.602 ug/L

RT: 2.65 min Scan# 150

Delta R.T. -0.00 min

Lab File: VY000681.D

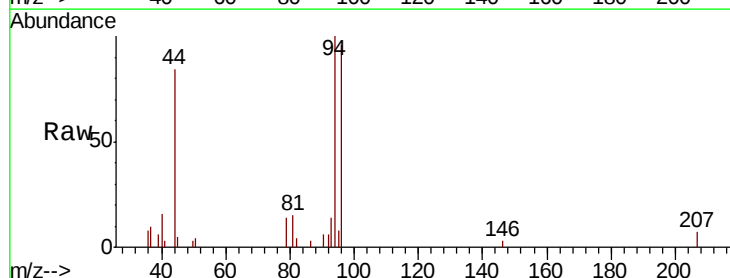
Acq: 14 Nov 2019 19:20

Tgt Ion: 94 Resp: 3617

Ion Ratio Lower Upper

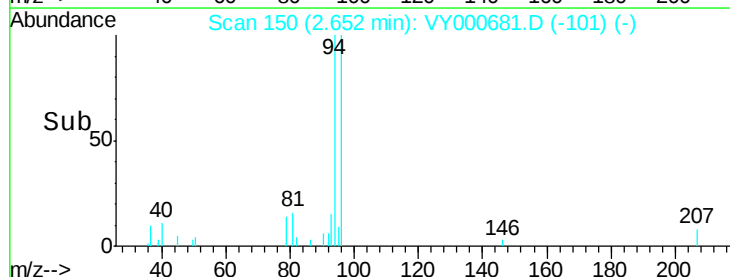
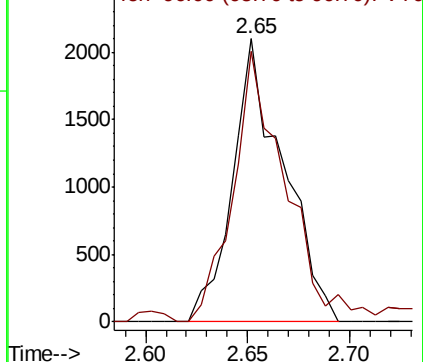
94 100

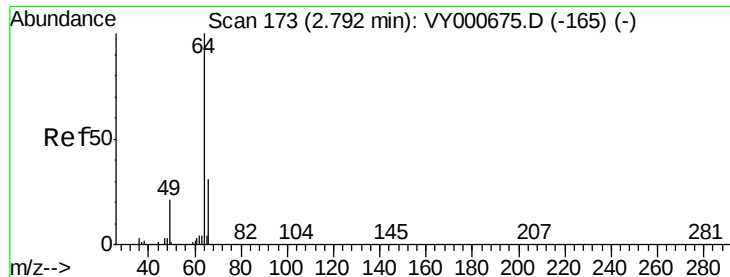
96 95.6 63.0 117.0



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0





#8

Chloroethane

Concen: 2.546 ug/L

RT: 2.79 min Scan# 172

Delta R.T. -0.01 min

Lab File: VY000681.D

Acq: 14 Nov 2019 19:20

Instrument :

MSVOA_Y

ClientSampled :

MDL2

Tot Ion: 64 Resp: 3863

Ion Ratio Lower Upper

64 100

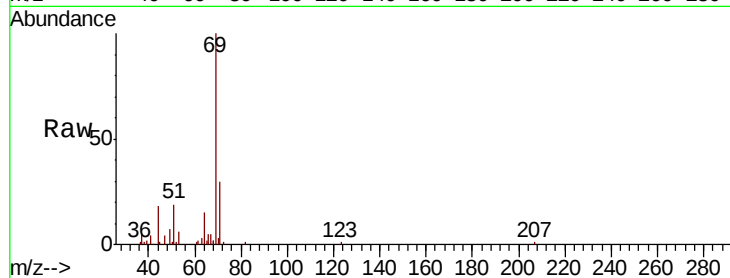
66 33.0 21.7 40.3

Manual Integrations

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Abundance Ion 64.00 (63.70 to 64.70): VY000675.D (-165) (-)

Ion 66.00 (65.70 to 66.70): VY000675.D (-165) (-)

2000

1500

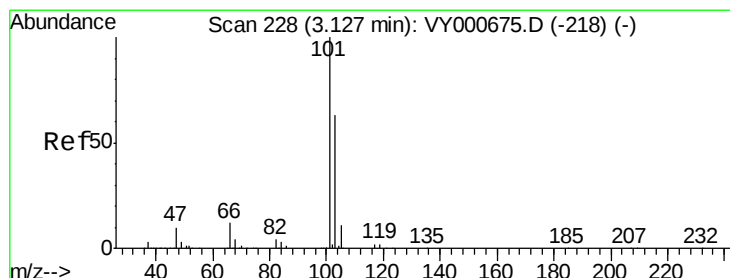
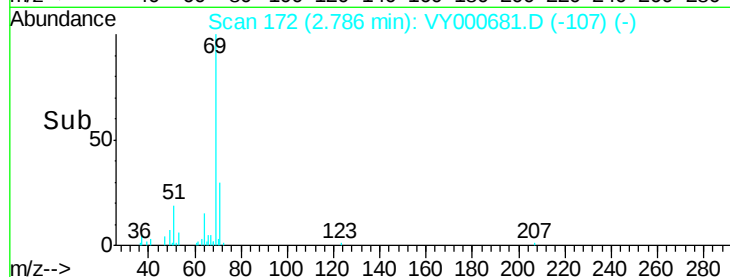
1000

500

0

2.75 2.80 2.85

Time-->



#9

Trichlorofluoromethane

Concen: 2.323 ug/L

RT: 3.13 min Scan# 229

Delta R.T. 0.01 min

Lab File: VY000681.D

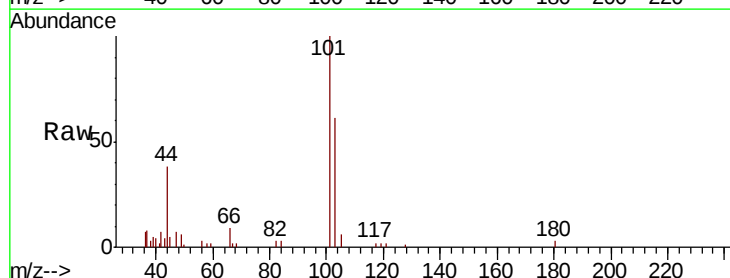
Acq: 14 Nov 2019 19:20

Tgt Ion: 101 Resp: 8292

Ion Ratio Lower Upper

101 100

103 64.2 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): VY000675.D (-218) (-)

Ion 103.00 (102.70 to 103.70): VY000675.D (-218) (-)

4000

3000

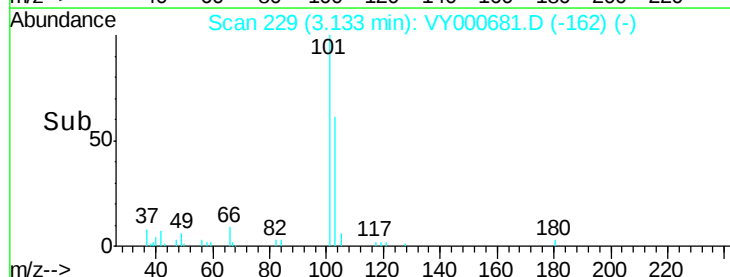
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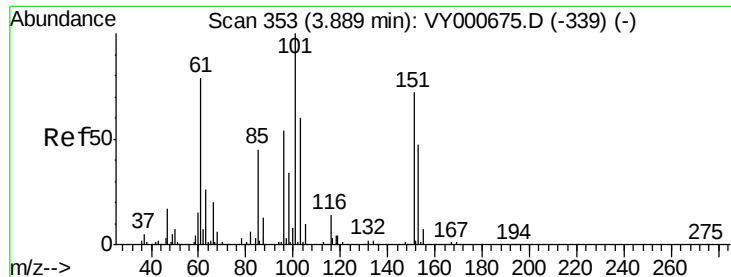
1000

0

3.05 3.10 3.15 3.20

Time-->





#10

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

Concen: 2.887 ug/L m

RT: 3.89 min Scan# 353

Delta R.T. -0.00 min

Lab File: VY000681.D

Acq: 14 Nov 2019 19:20

Instrument :

MSVOA_Y

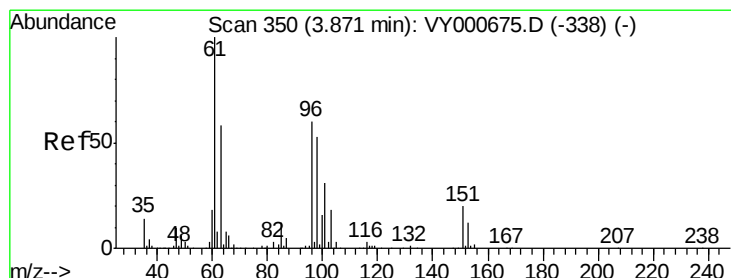
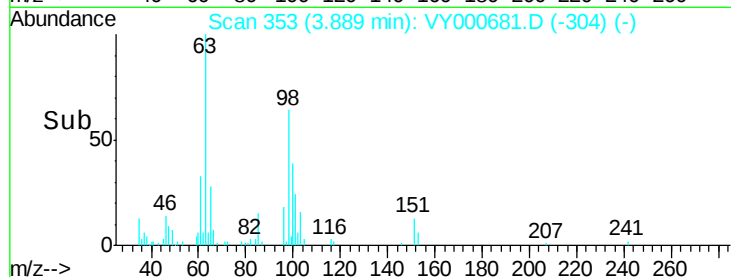
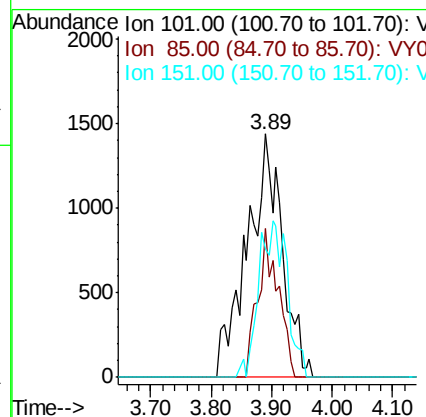
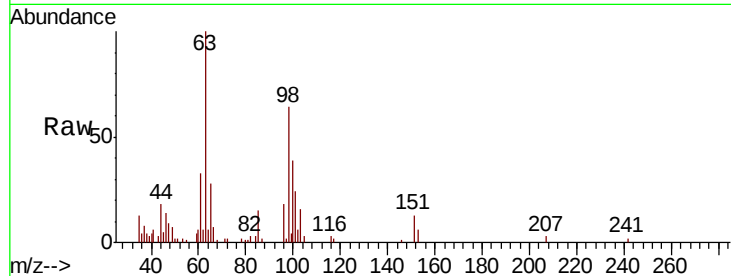
ClientSampled :

MDL2

Tot Ion:	101	Resp:	5750
Ion Ratio	Lower	Upper	
101	100		
85	35.7	35.3	52.9
151	20.9	57.7	86.5#

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 3.127 ug/L m

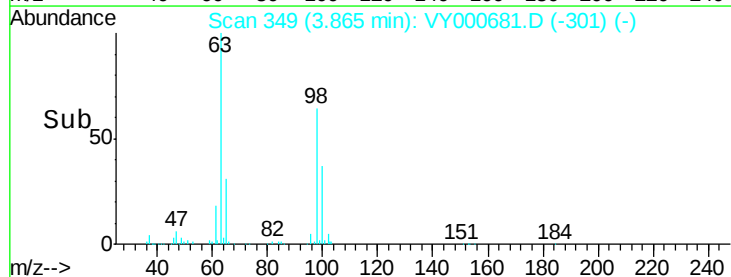
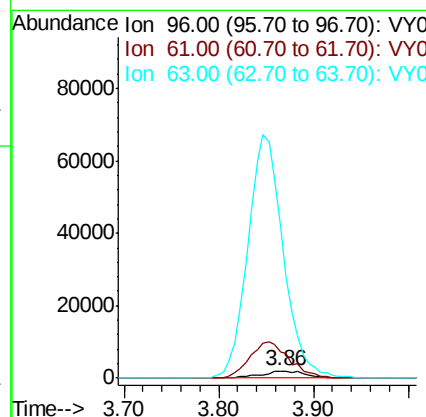
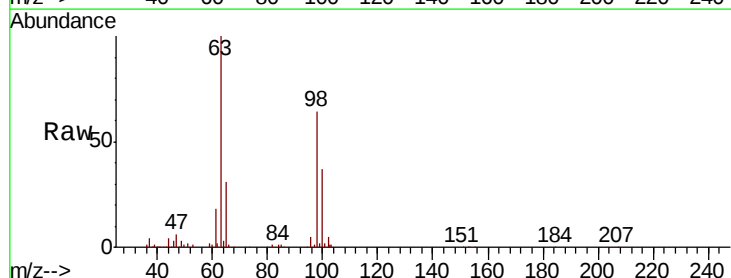
RT: 3.86 min Scan# 349

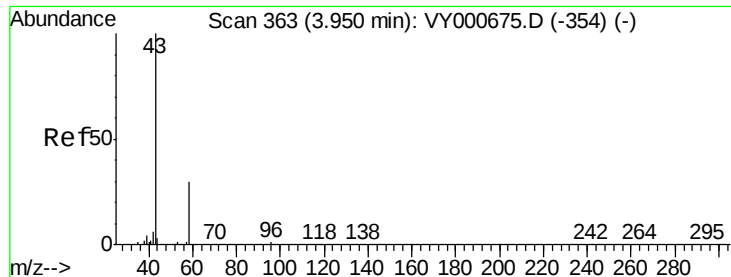
Delta R.T. -0.01 min

Lab File: VY000681.D

Acq: 14 Nov 2019 19:20

Tgt Ion:	96	Resp:	6232
Ion Ratio	Lower	Upper	
96	100		
61	366.0	117.5	218.3#
63	2066.9	70.1	130.3#





#13

Acetone

Concen: 7.064 ug/L m

RT: 3.94 min Scan# 362

Delta R.T. -0.01 min

Lab File: VY000681.D

Acq: 14 Nov 2019 19:20

Instrument :

MSVOA_Y

ClientSampleId :

MDL2

Tot Ion: 43 Resp: 5003

Ion Ratio Lower Upper

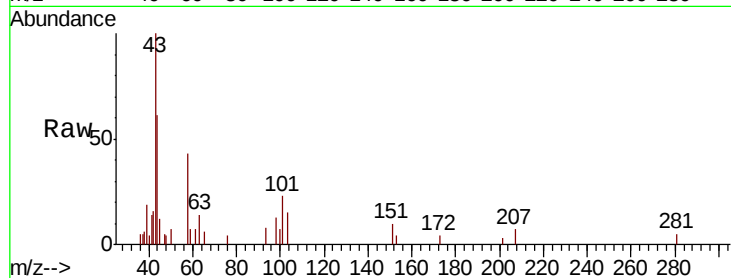
43 100

58 0.8 0.0 62.2

Manual Integrations
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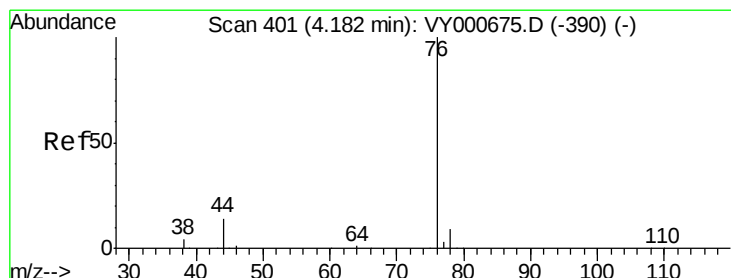
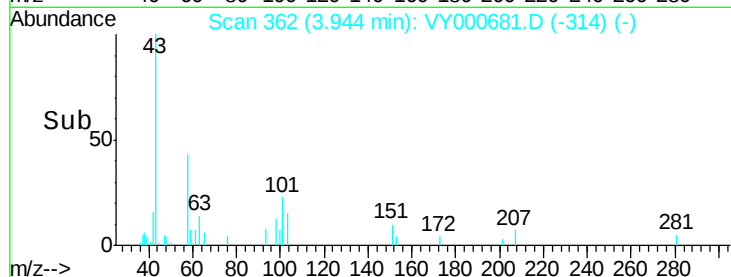
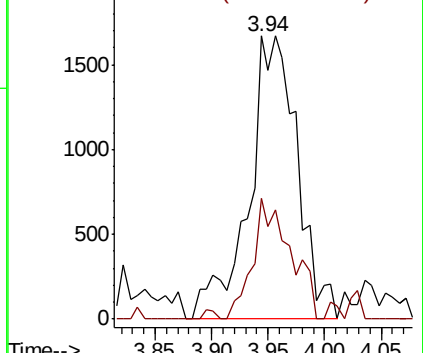
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11/15/2019 3:05:00 PM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#14

Carbon disulfide

Concen: 2.519 ug/L

RT: 4.19 min Scan# 402

Delta R.T. 0.01 min

Lab File: VY000681.D

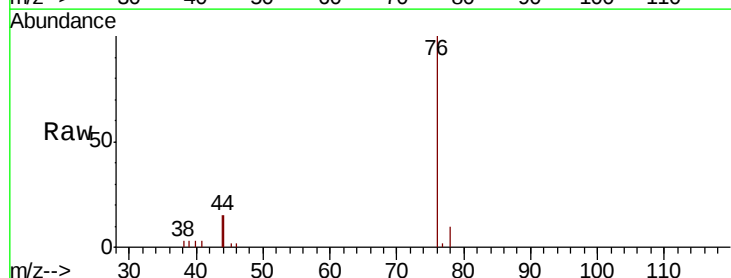
Acq: 14 Nov 2019 19:20

Tgt Ion: 76 Resp: 13849

Ion Ratio Lower Upper

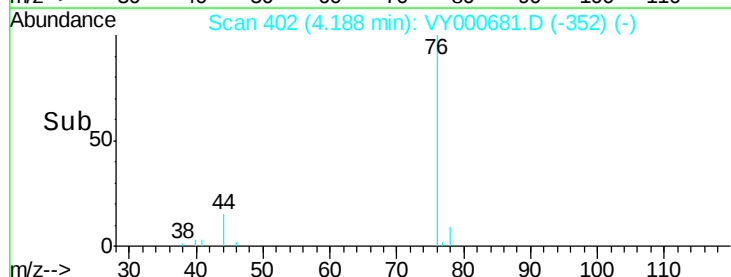
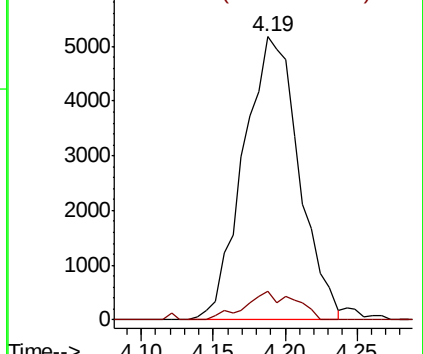
76 100

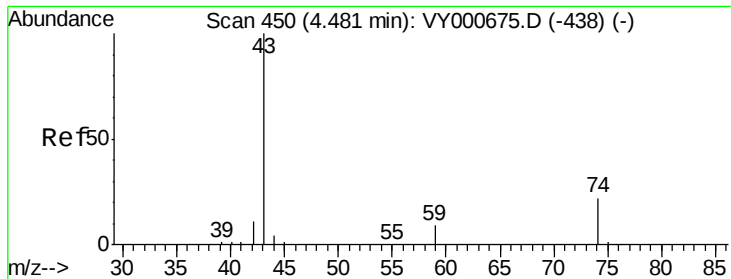
78 10.2 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VY0

Ion 78.00 (77.70 to 78.70): VY0





#15

Methvl Acetate

Concen: 2.806 ug/L

RT: 4.49 min Scan# 451

Delta R.T. 0.01 min

Lab File: VY000681.D

Acq: 14 Nov 2019 19:20

Instrument :

MSVOA_Y

ClientSampleId :

MDL2

Tot Ion: 43 Resp: 4994

Ion Ratio Lower Upper

43 100

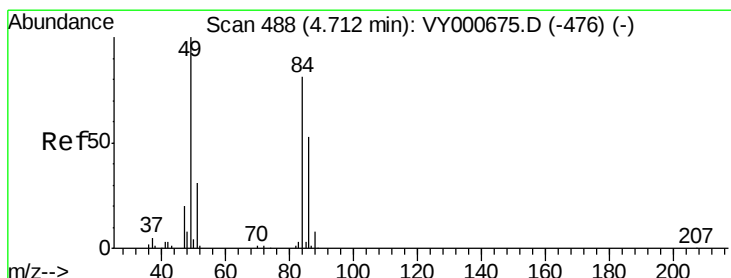
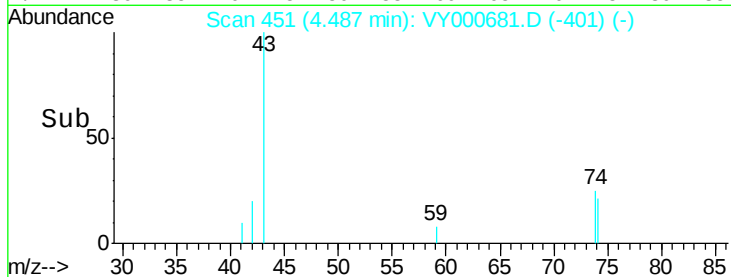
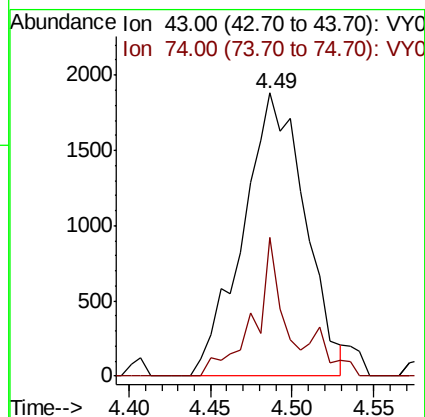
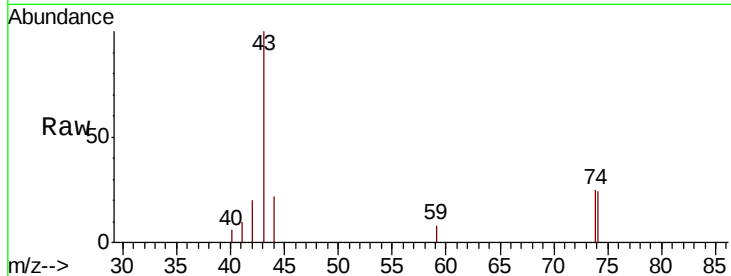
74 22.2 19.1 28.7

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#16

Methylene chloride

Concen: 2.820 ug/L

RT: 4.72 min Scan# 489

Delta R.T. 0.01 min

Lab File: VY000681.D

Acq: 14 Nov 2019 19:20

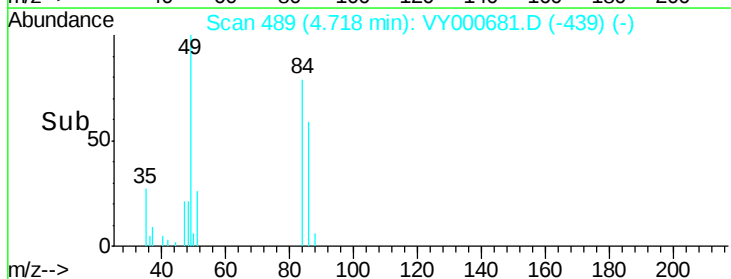
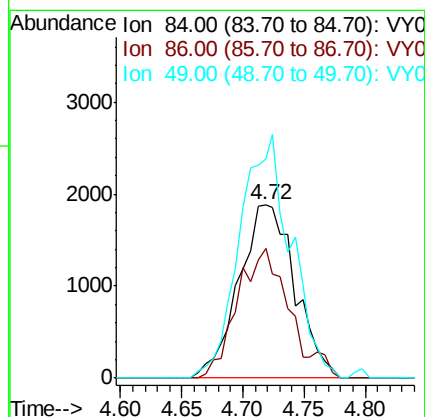
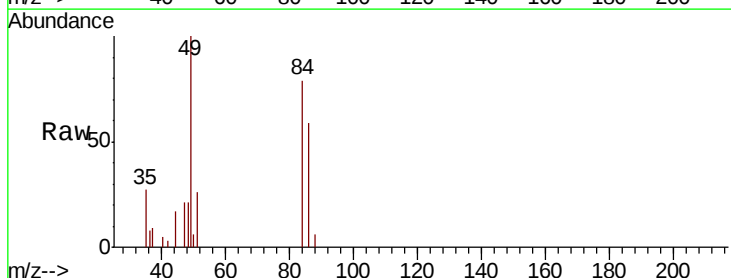
Tgt Ion: 84 Resp: 6009

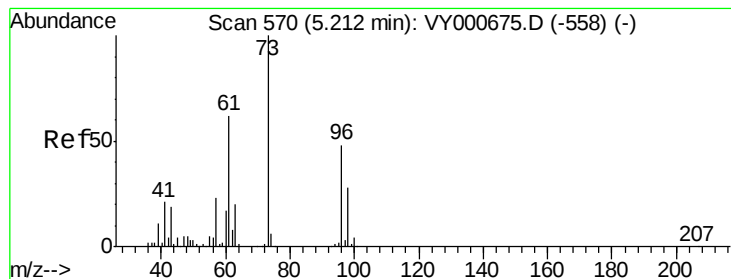
Ion Ratio Lower Upper

84 100

86 75.0 45.9 85.3

49 126.6 86.1 159.9





#17

trans-1,2-Dichloroethene

Concen: 2.470 ug/L m

RT: 5.22 min Scan# 571

Delta R.T. 0.01 min

Lab File: VY000681.D

Acq: 14 Nov 2019 19:20

Instrument :

MSVOA_Y

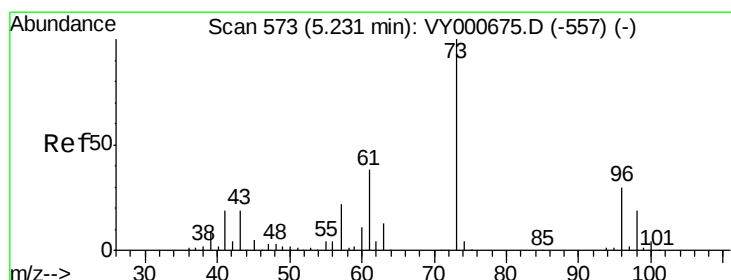
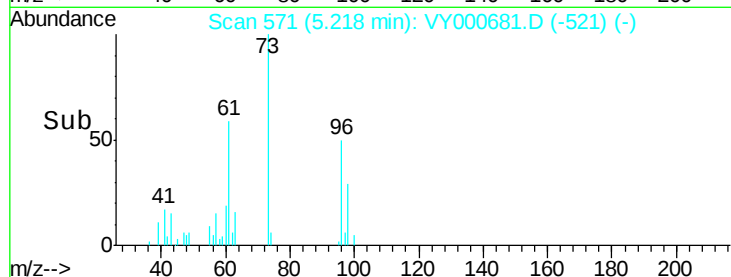
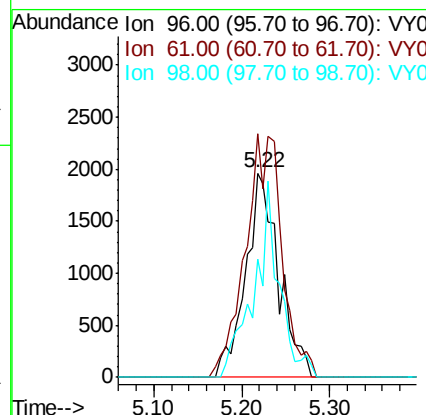
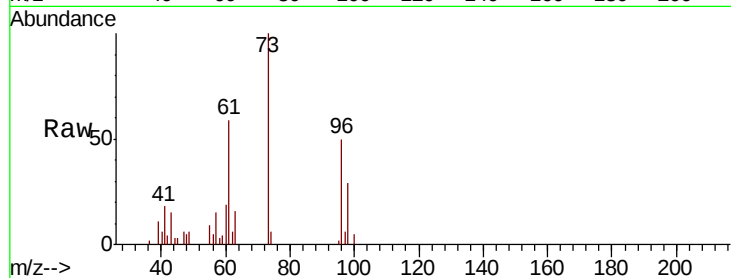
ClientSampleId :

MDL2

Tot Ion:	96	Resp:	5140
Ion	Ratio	Lower	Upper
96	100		
61	119.0	90.8	168.6
98	58.0	41.0	76.2

Manual Integrations
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#18

Methyl tert-butyl Ether

Concen: 2.687 ug/L

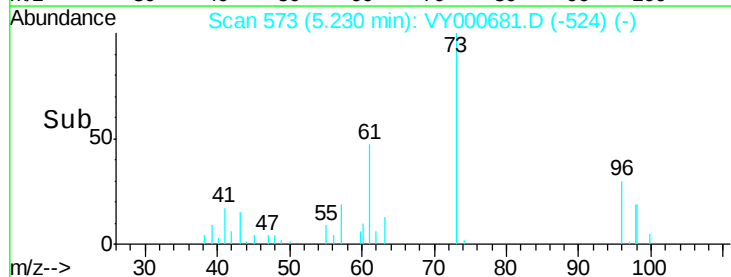
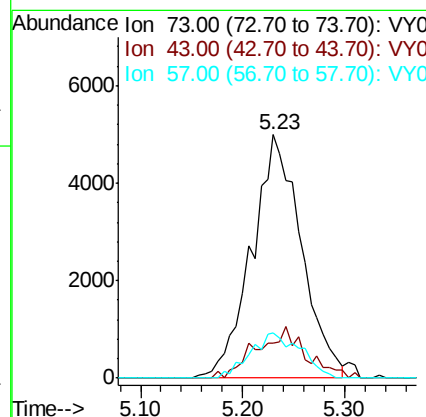
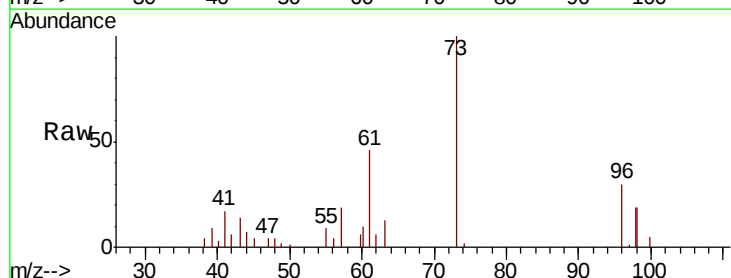
RT: 5.23 min Scan# 573

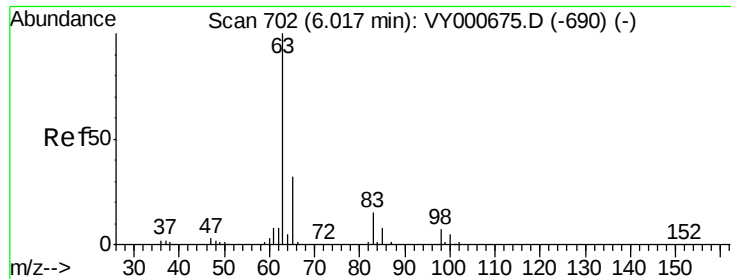
Delta R.T. -0.00 min

Lab File: VY000681.D

Acq: 14 Nov 2019 19:20

Tgt Ion:	73	Resp:	16830
Ion	Ratio	Lower	Upper
73	100		
43	8.6	15.5	23.3#
57	18.9	17.7	26.5





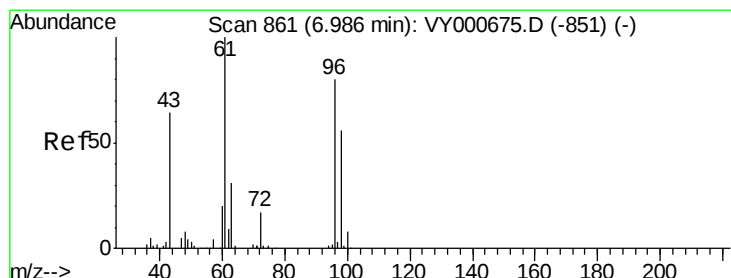
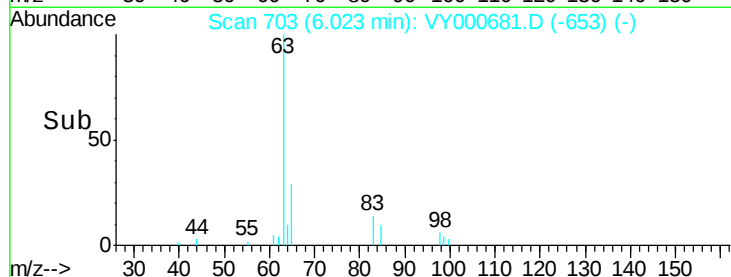
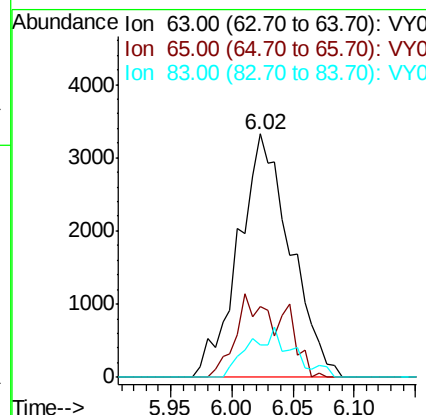
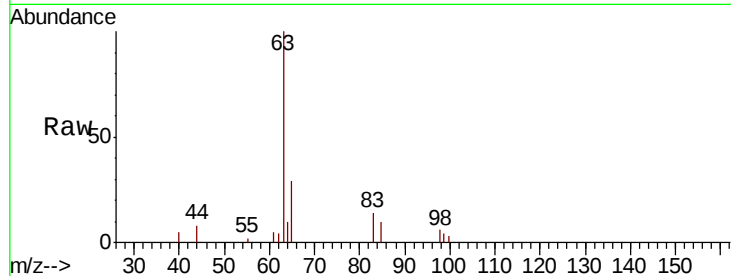
#19
 1,1-Dichloroethane
 Concen: 2.619 ug/L
 RT: 6.02 min Scan# 703
 Delta R.T. 0.01 min
 Lab File: VY000681.D
 Acq: 14 Nov 2019 19:20

Instrument :
 MSVOA_Y
 ClientSampled :
 MDL2

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.0	22.7	42.1
83	13.5	10.5	19.5

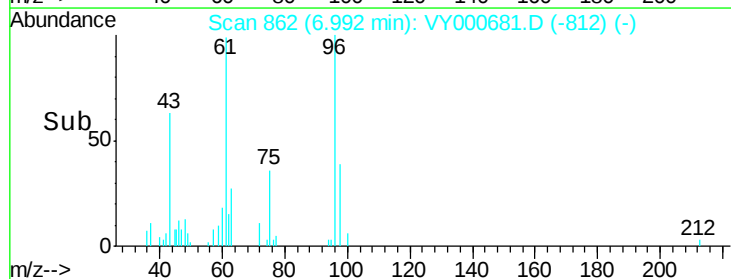
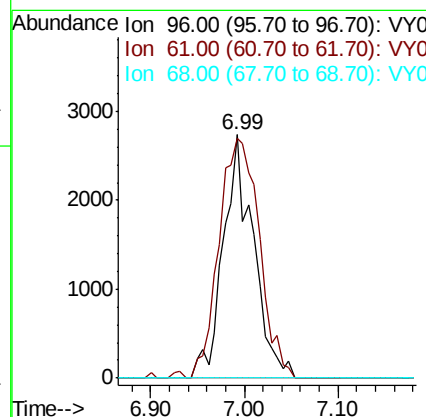
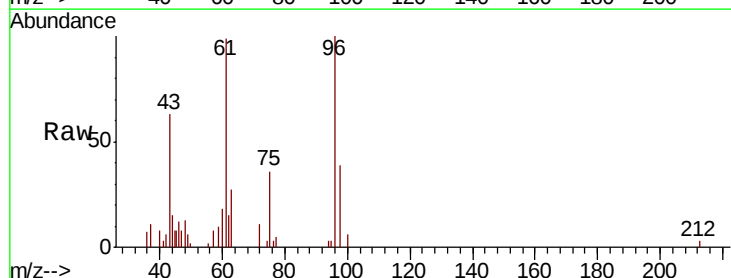
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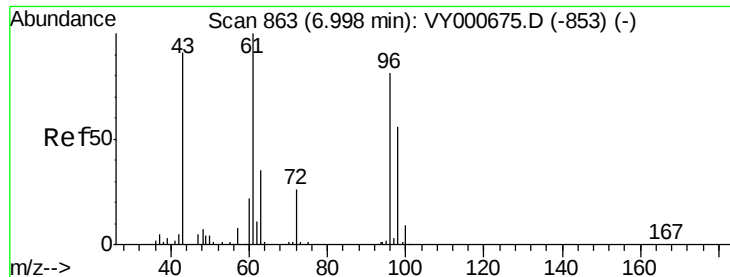
MMDadoda
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#20
 cis-1,2-Dichloroethene
 Concen: 2.602 ug/L m
 RT: 6.99 min Scan# 862
 Delta R.T. 0.01 min
 Lab File: VY000681.D
 Acq: 14 Nov 2019 19:20

Tgt Ion	Ratio	Lower	Upper
96	100		
61	98.7	87.2	162.0
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 6.434 ug/L m

RT: 7.01 min Scan# 865

Delta R.T. 0.01 min

Lab File: VY000681.D

Acq: 14 Nov 2019 19:20

Instrument :

MSVOA_Y

ClientSampleId :

MDL2

Tot Ion: 43 Resp: 7171

Ion Ratio Lower Upper

43 100

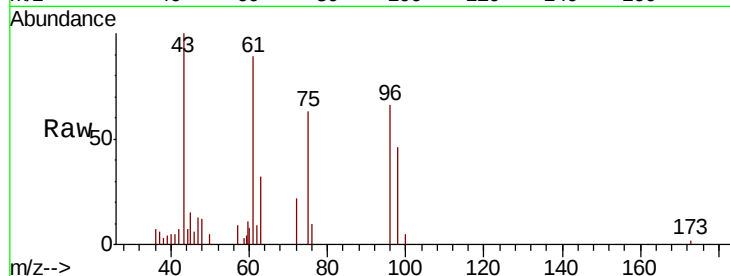
72 17.3 13.7 41.1

Manual Integrations

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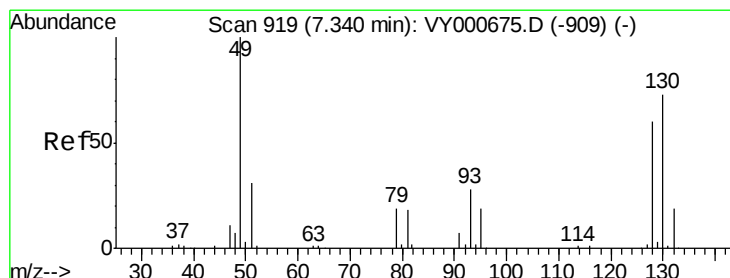
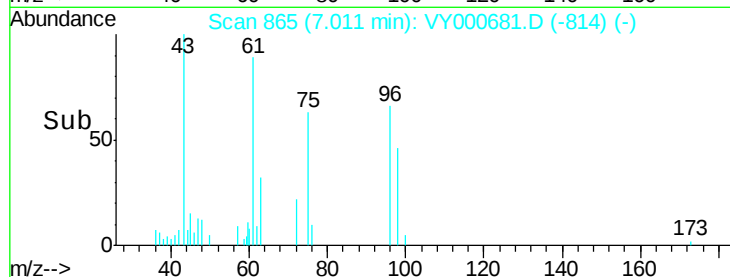
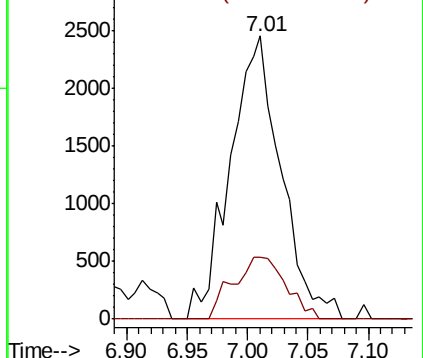
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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#23

Bromochloromethane

Concen: 3.116 ug/L

RT: 7.35 min Scan# 920

Delta R.T. 0.01 min

Lab File: VY000681.D

Acq: 14 Nov 2019 19:20

Tgt Ion: 128 Resp: 3350

Ion Ratio Lower Upper

128 100

49 105.0 116.6 216.5#

130 75.2 85.4 158.6#

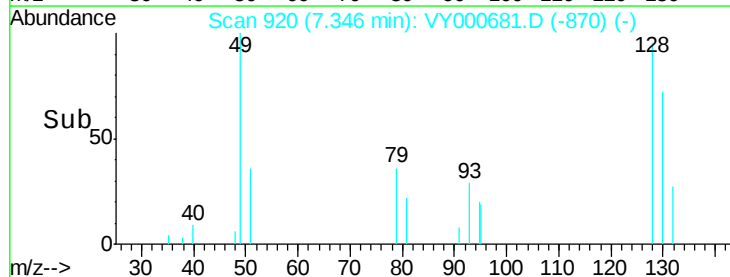
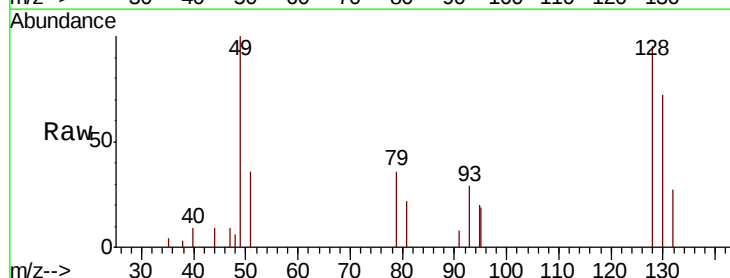
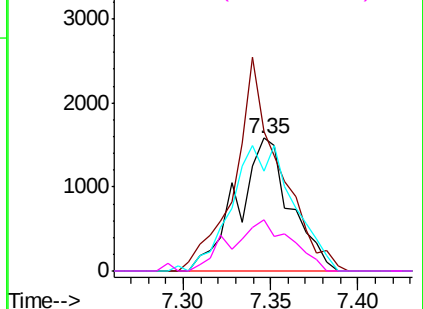
51 38.2 41.1 61.7#

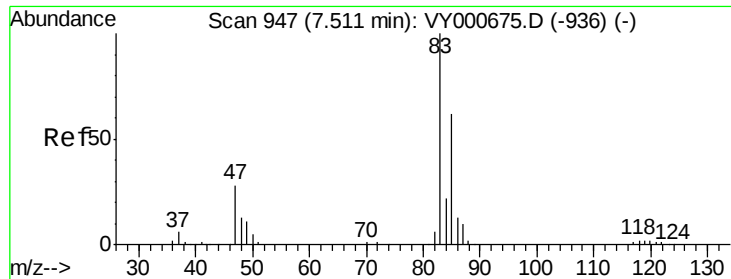
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VY0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VY0





#25

Chloroform

Concen: 3.593 ug/L

RT: 7.52 min Scan# 948

Delta R.T. 0.01 min

Lab File: VY000681.D

Acq: 14 Nov 2019 19:20

Instrument :

MSVOA_Y

ClientSampled :

MDL2

Tot Ion: 83 Resp: 15386

Ion Ratio Lower Upper

83 100

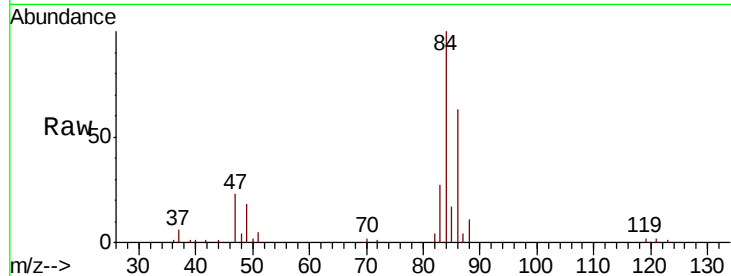
85 62.4 43.1 80.1

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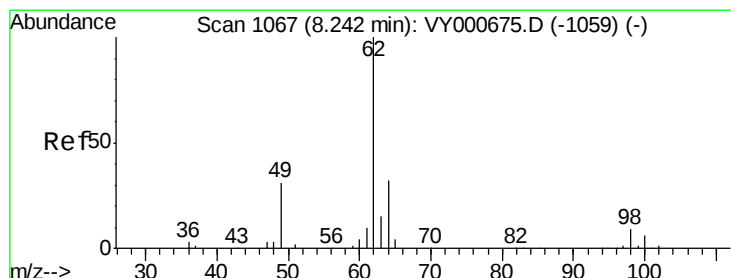
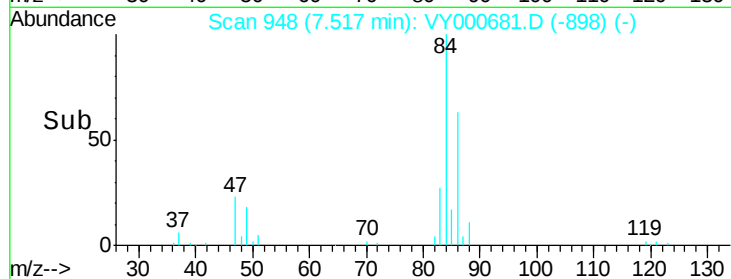
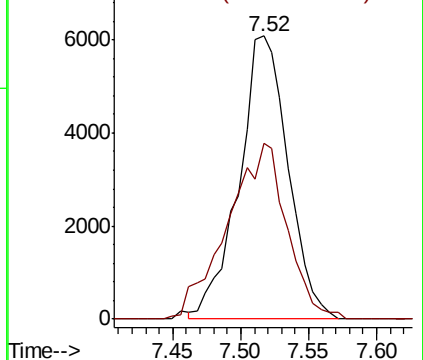
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Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0



#27

1,2-Dichloroethane

Concen: 2.765 ug/L

RT: 8.25 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VY000681.D

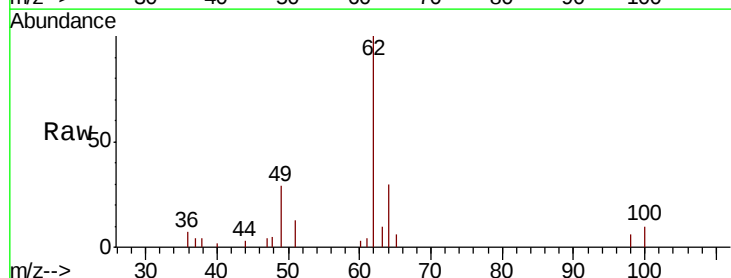
Acq: 14 Nov 2019 19:20

Tgt Ion: 62 Resp: 8085

Ion Ratio Lower Upper

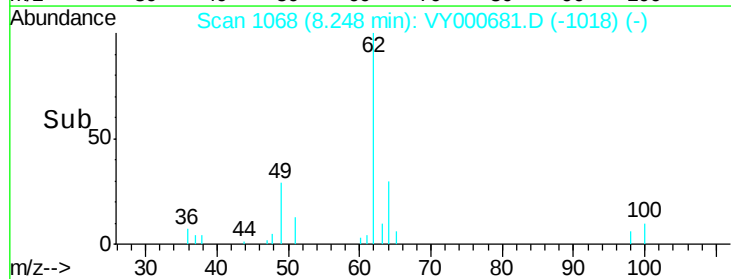
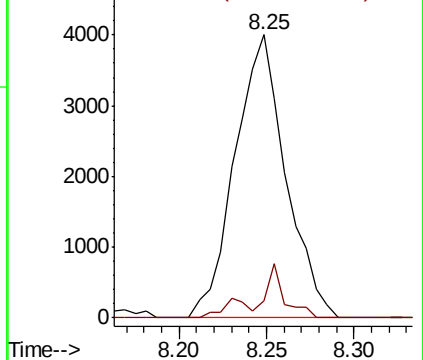
62 100

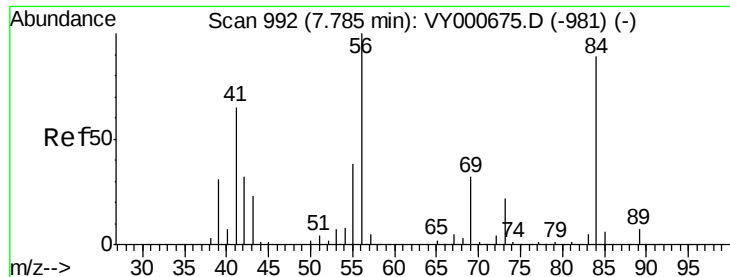
98 5.9 7.1 10.7#



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 98.00 (97.70 to 98.70): VY0





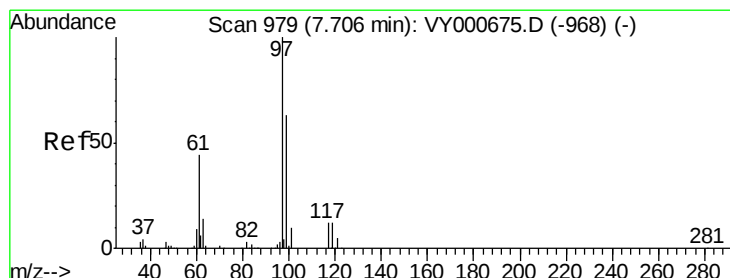
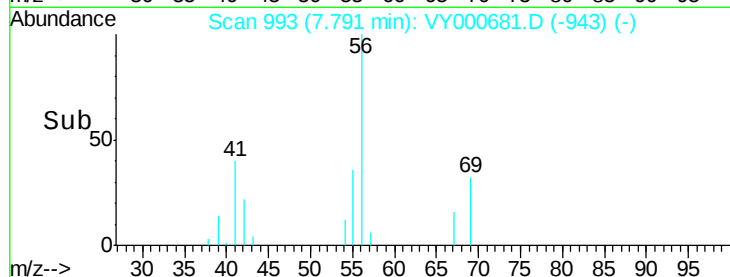
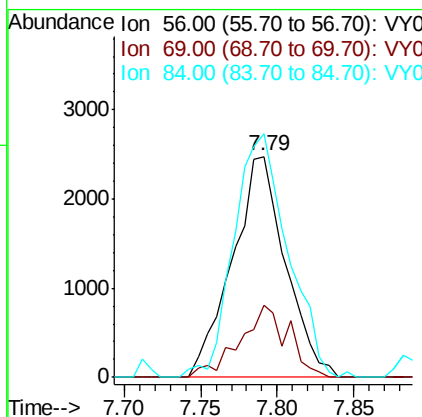
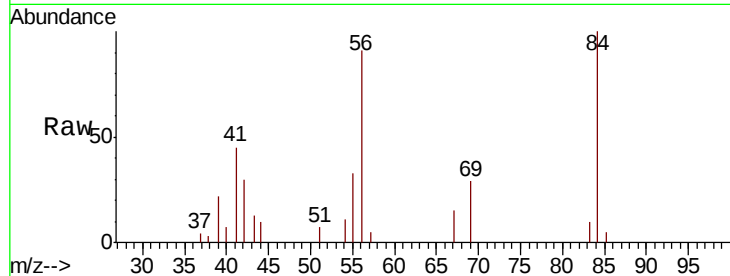
#29
Cyclohexane
Concen: 1.851 ug/L
RT: 7.79 min Scan# 993
Delta R.T. 0.01 min
Lab File: VY000681.D
Acq: 14 Nov 2019 19:20

Instrument :
MSVOA_Y
ClientSampleId :
MDL2

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.6	24.4	36.6
84	109.9	71.4	107.2#

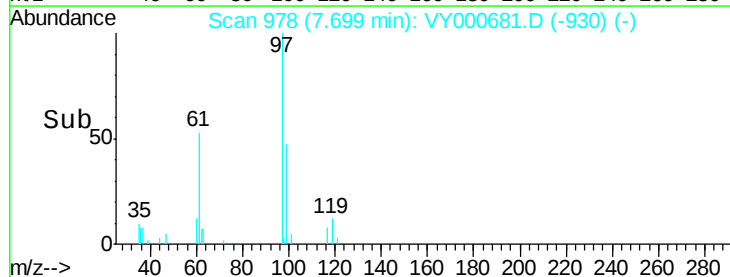
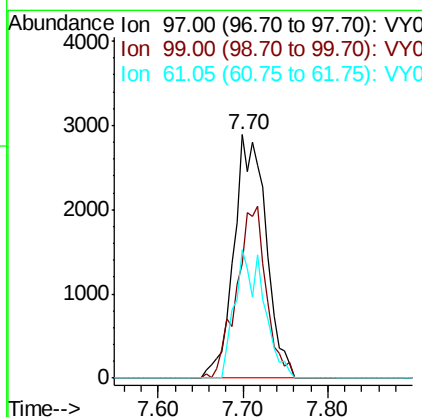
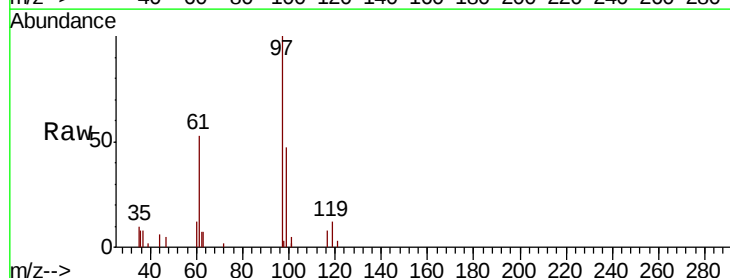
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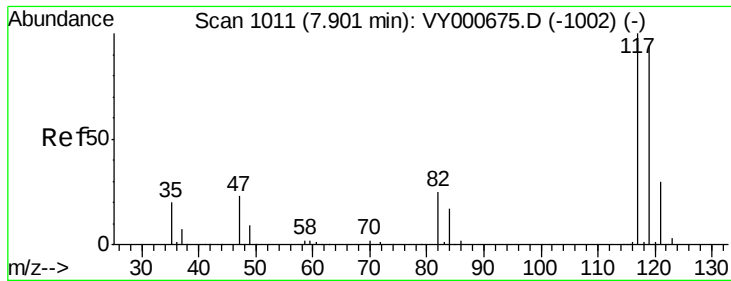
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#30
1,1,1-Trichloroethane
Concen: 2.495 ug/L m
RT: 7.70 min Scan# 978
Delta R.T. -0.01 min
Lab File: VY000681.D
Acq: 14 Nov 2019 19:20

Tgt Ion	Ratio	Lower	Upper
97	100		
99	0.3	52.2	78.2#
61	28.6	35.0	52.4#





#31

Carbon tetrachloride

Concen: 2.145 ug/L

RT: 7.91 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VY000681.D

Acq: 14 Nov 2019 19:20

Instrument :

MSVOA_Y

ClientSampleId :

MDL2

Tot Ion:117 Resp: 5815

Ion Ratio Lower Upper

117 100

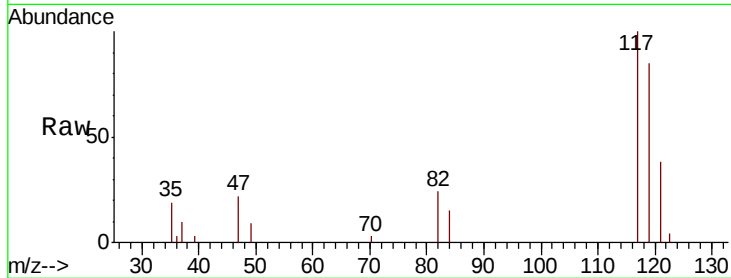
119 95.3 75.5 113.3

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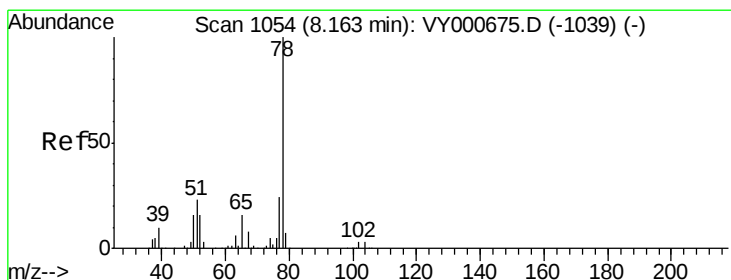
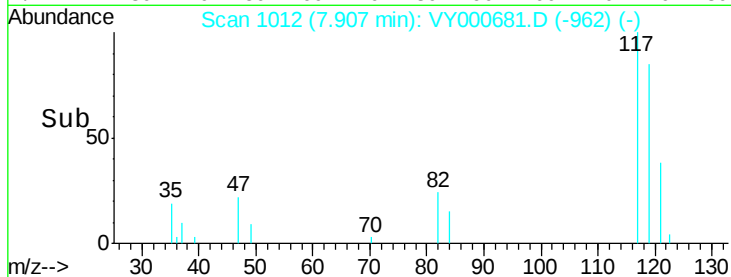
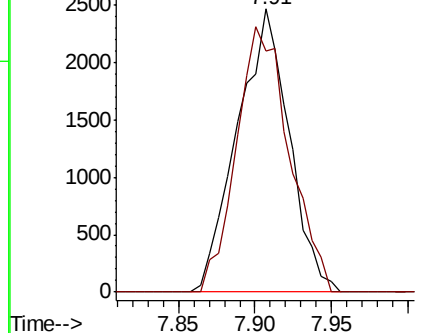
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 2.565 ug/L

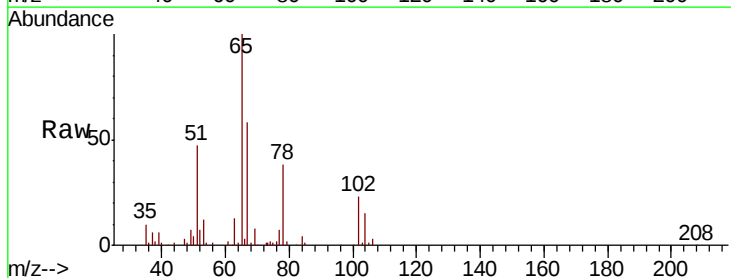
RT: 8.17 min Scan# 1055

Delta R.T. 0.01 min

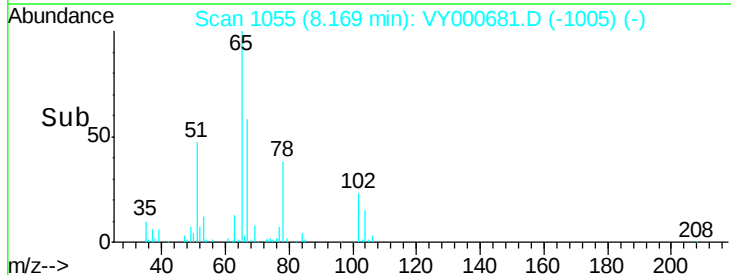
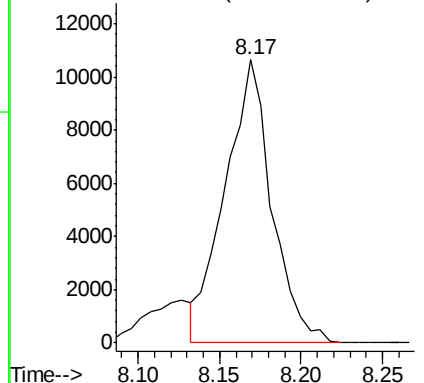
Lab File: VY000681.D

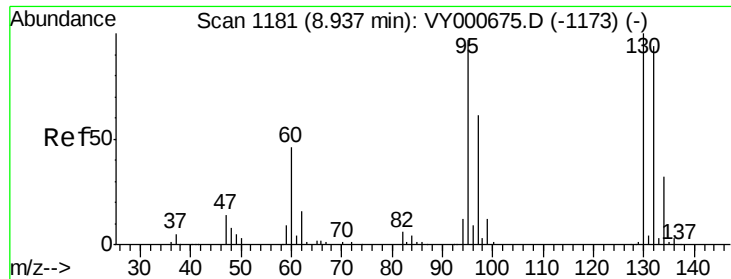
Acq: 14 Nov 2019 19:20

Tgt Ion: 78 Resp: 21181



Abundance Ion 78.00 (77.70 to 78.70): VY0





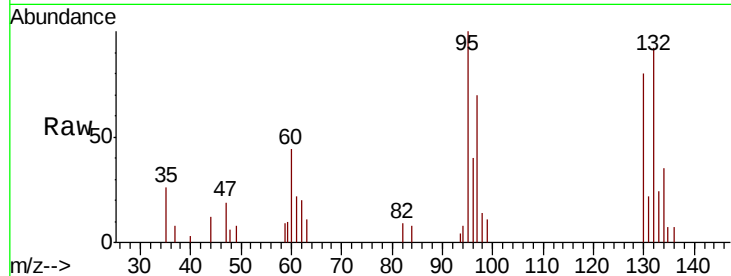
#34
 Trichloroethene
 Concen: 2.557 ug/L
 RT: 8.94 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: VY000681.D
 Acq: 14 Nov 2019 19:20

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL2

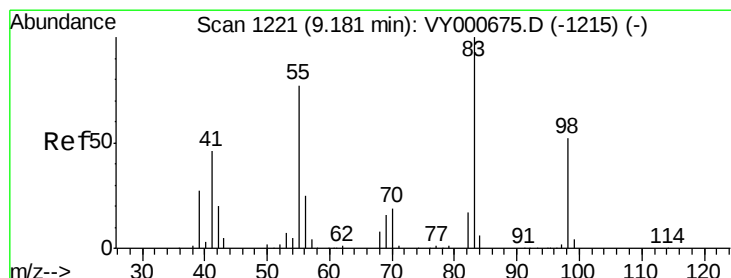
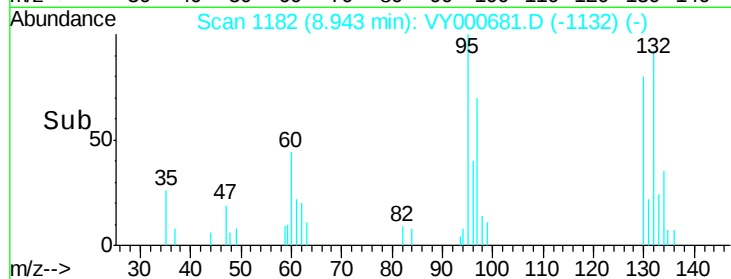
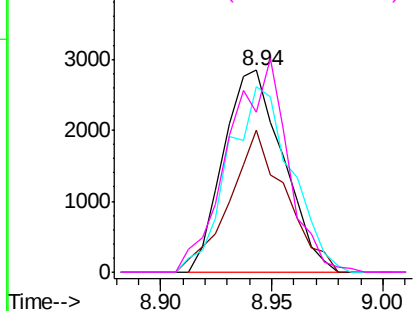
Tot Ion:	95	Resp:	5303
Ion	Ratio	Lower	Upper
95	100		
97	70.5	43.8	81.3
132	91.7	67.8	126.0
130	79.5	71.9	133.5

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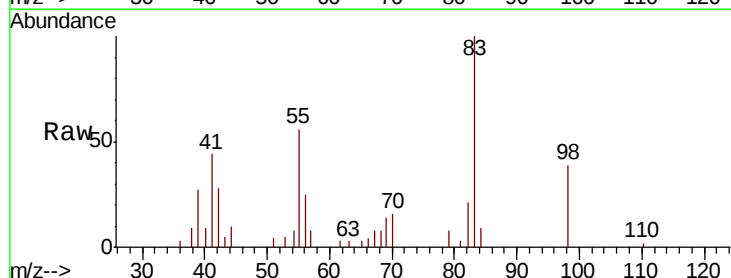


Abundance Ion 95.00 (94.70 to 95.70): VY0
 Ion 97.00 (96.70 to 97.70): VY0
 Ion 132.00 (131.70 to 132.70): VY0
 Ion 130.00 (129.70 to 130.70): VY0

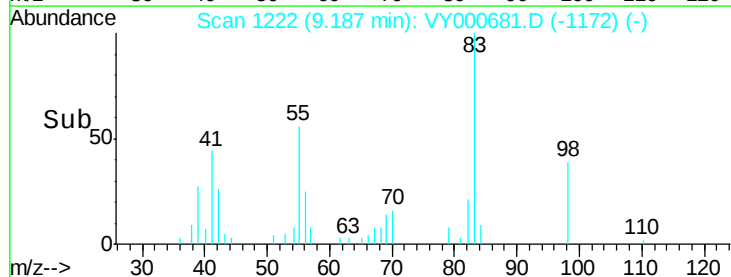
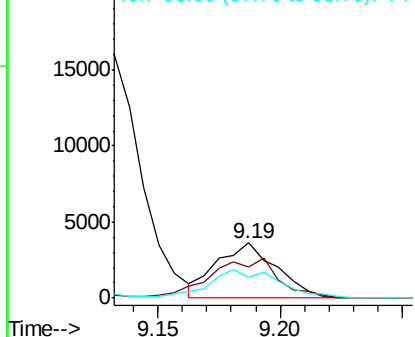


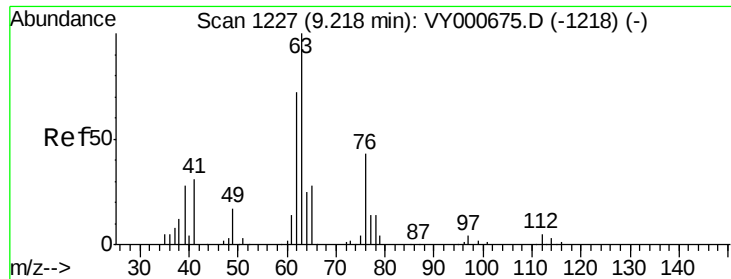
#35
 Methylcyclohexane
 Concen: 1.794 ug/L
 RT: 9.19 min Scan# 1222
 Delta R.T. 0.01 min
 Lab File: VY000681.D
 Acq: 14 Nov 2019 19:20

Tgt Ion:	83	Resp:	6140
Ion	Ratio	Lower	Upper
83	100		
55	48.1	60.4	90.6#
98	61.9	40.3	60.5#



Abundance Ion 83.00 (82.70 to 83.70): VY0
 Ion 55.00 (54.70 to 55.70): VY0
 Ion 98.00 (97.70 to 98.70): VY0





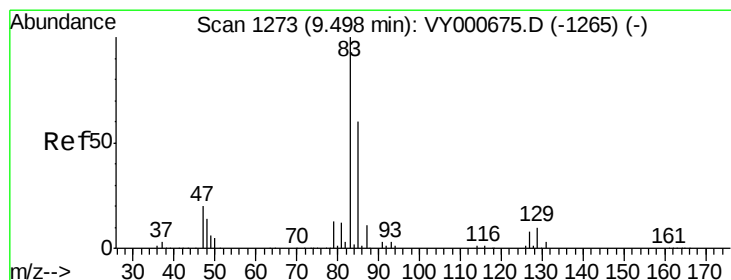
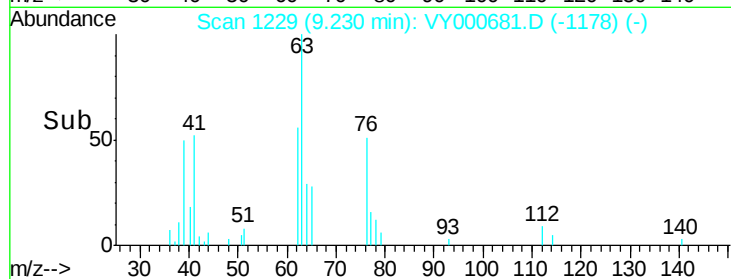
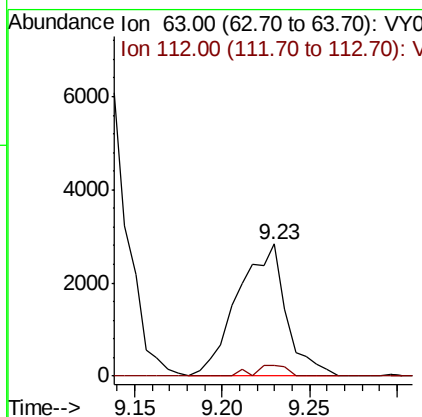
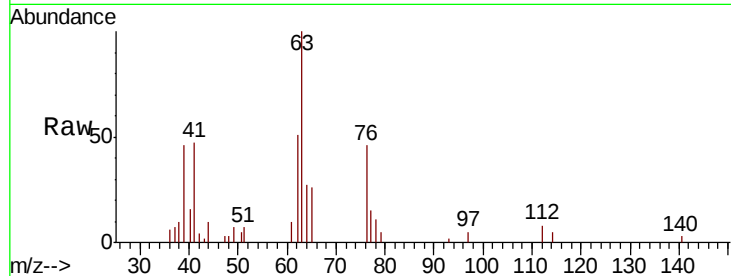
#37
 1,2-Dichloropropane
 Concen: 2.688 ug/L
 RT: 9.23 min Scan# 1229
 Delta R.T. 0.01 min
 Lab File: VY000681.D
 Acq: 14 Nov 2019 19:20

Instrument :
 MSVOA_Y
 ClientSampled :
 MDL2

Tot Ion: 63 Resp: 5507
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.8 5.6

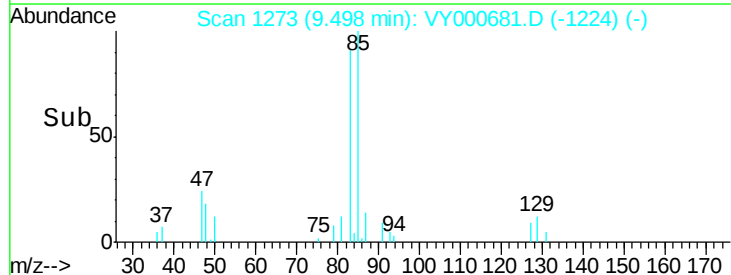
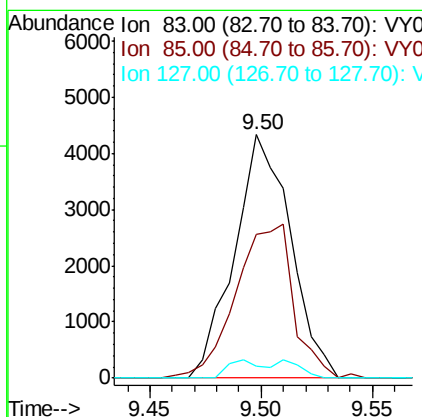
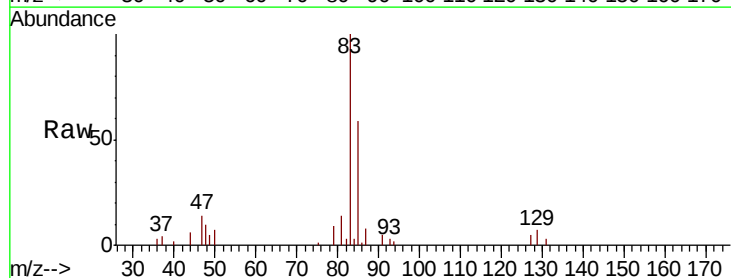
Manual Integrations
 APPROVED

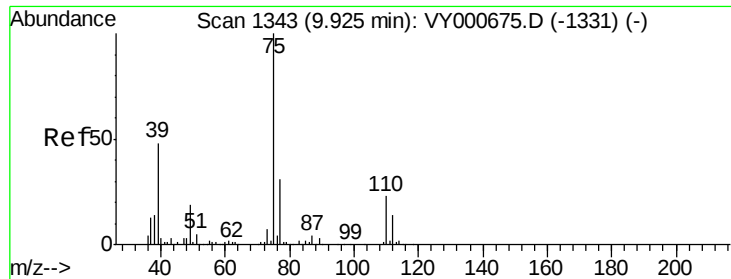
MMDadoda
 11/15/2019 3:05:00 PM



#38
 Bromodichloromethane
 Concen: 2.766 ug/L
 RT: 9.50 min Scan# 1273
 Delta R.T. -0.00 min
 Lab File: VY000681.D
 Acq: 14 Nov 2019 19:20

Tgt Ion: 83 Resp: 7612
 Ion Ratio Lower Upper
 83 100
 85 59.0 42.2 78.4
 127 5.1 6.4 9.6#





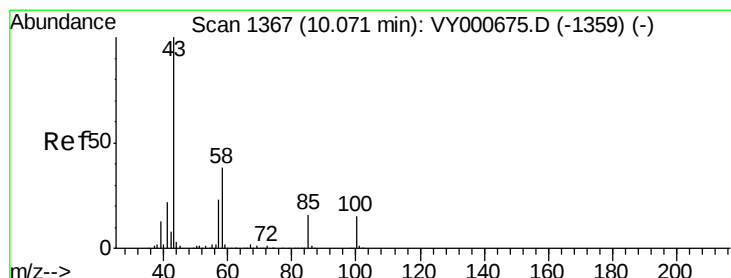
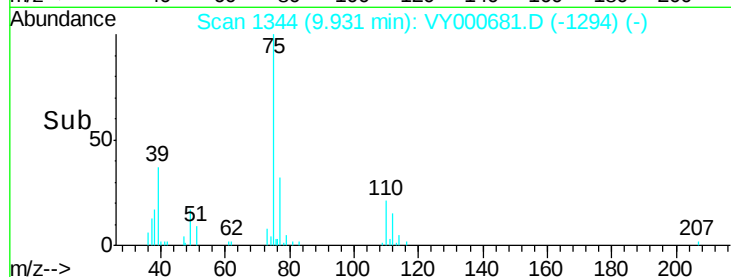
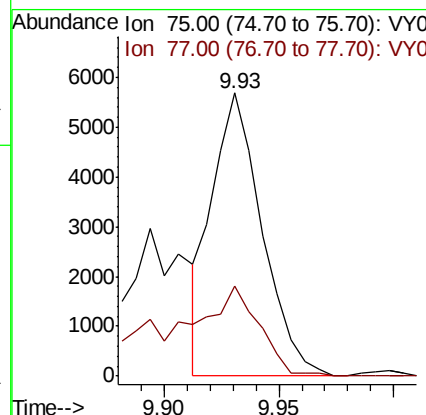
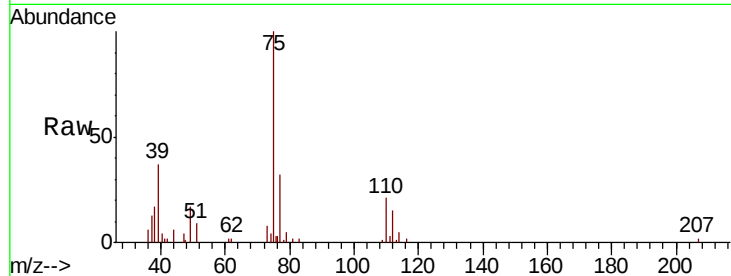
#39
 cis-1,3-Dichloropropene
 Concen: 2.464 ug/L m
 RT: 9.93 min Scan# 1344
 Delta R.T. 0.01 min
 Lab File: VY000681.D
 Acq: 14 Nov 2019 19:20

Instrument :
 MSVOA_Y
 ClientSampled :
 MDL2

Tot Ion: 75 Resp: 8578
 Ion Ratio Lower Upper
 75 100
 77 31.7 21.7 40.3

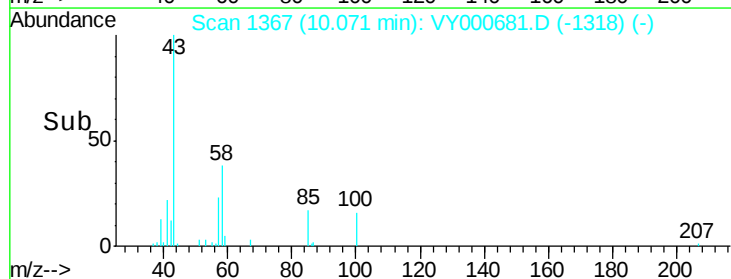
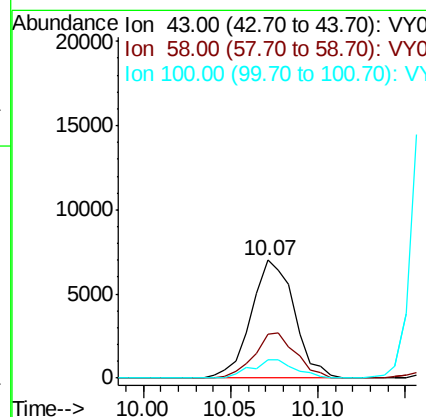
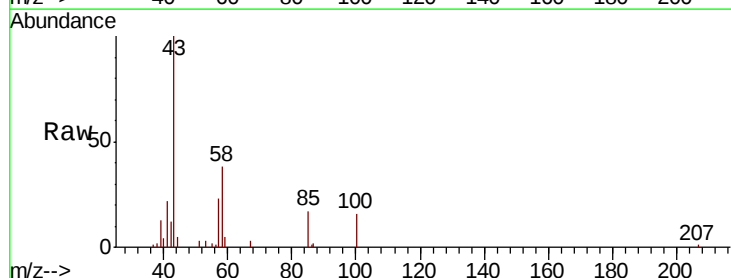
Manual Integrations
 APPROVED

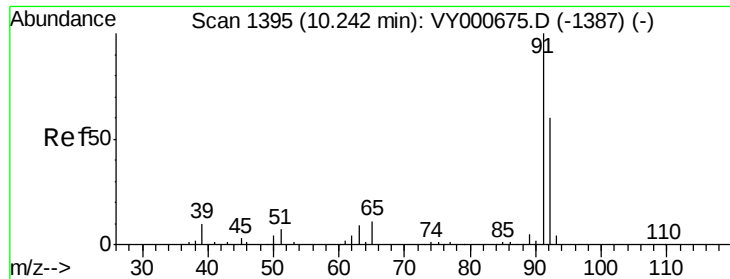
MMDadoda
 11/15/2019 3:05:00 PM



#40
 4-Methyl-2-pentanone
 Concen: 5.123 ug/L
 RT: 10.07 min Scan# 1367
 Delta R.T. -0.00 min
 Lab File: VY000681.D
 Acq: 14 Nov 2019 19:20

Tgt Ion: 43 Resp: 12039
 Ion Ratio Lower Upper
 43 100
 58 37.0 30.2 45.2
 100 16.1 12.2 18.2





#42

Toluene

Concen: 2.430 ug/L

RT: 10.25 min Scan# 1396

Delta R.T. 0.01 min

Lab File: VY000681.D

Acq: 14 Nov 2019 19:20

Instrument :

MSVOA_Y

ClientSampleId :

MDL2

Tot Ion: 91 Resp: 21244

Ion Ratio Lower Upper

91 100

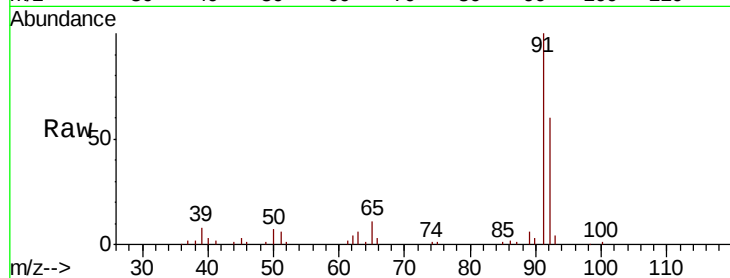
92 60.3 42.2 78.4

Manual Integrations

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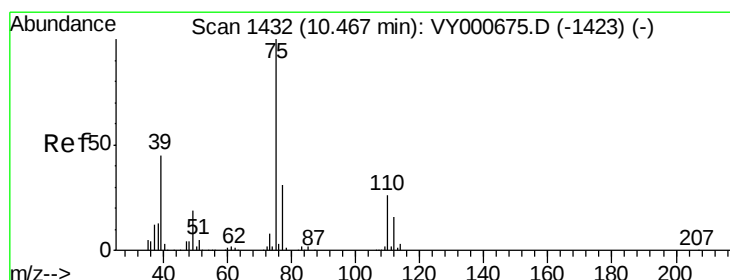
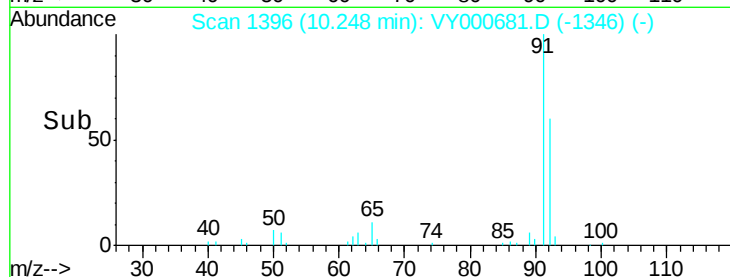
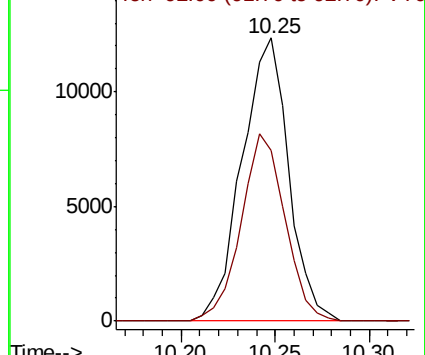
MMDadoda

11/15/2019 3:05:00 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: 3.480 ug/L

RT: 10.46 min Scan# 1431

Delta R.T. -0.01 min

Lab File: VY000681.D

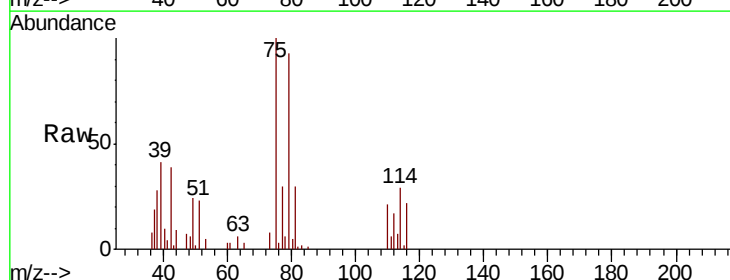
Acq: 14 Nov 2019 19:20

Tgt Ion: 75 Resp: 10606

Ion Ratio Lower Upper

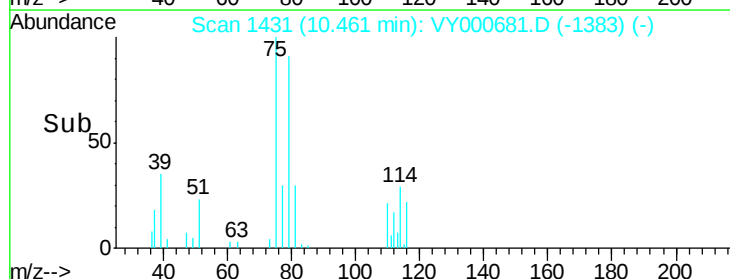
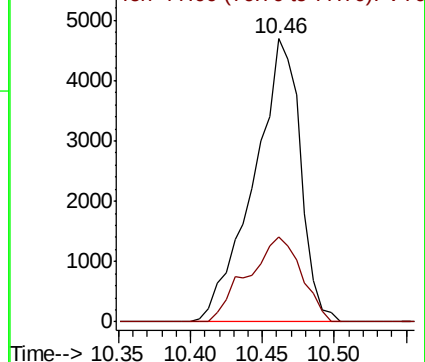
75 100

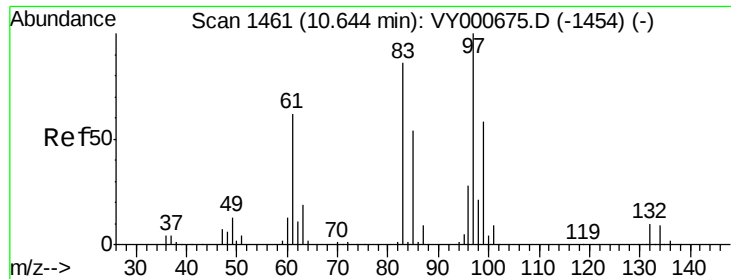
77 30.1 22.0 41.0



Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 77.00 (76.70 to 77.70): VY0





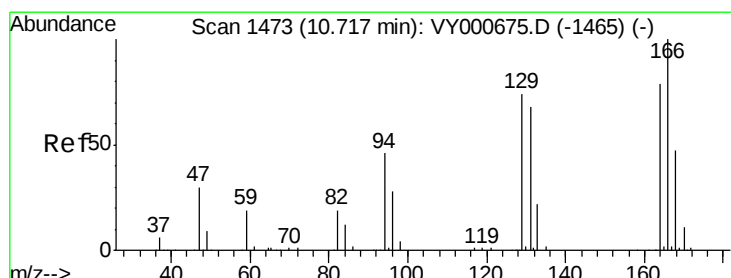
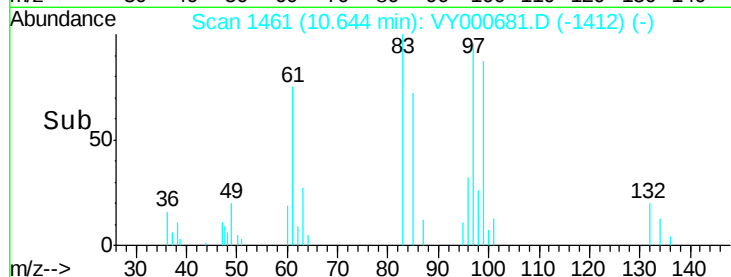
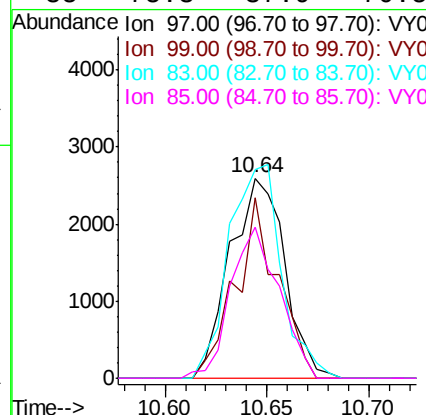
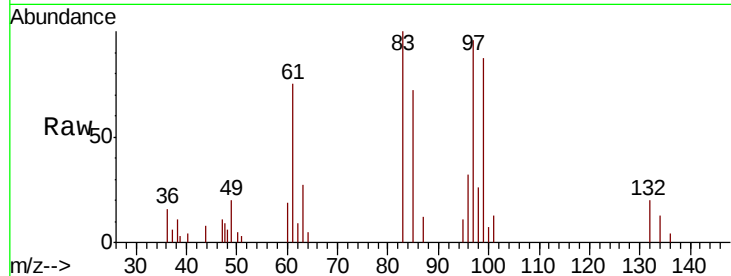
#45
1,1,2-Trichloroethane
Concen: 2.479 ug/L
RT: 10.64 min Scan# 1461
Delta R.T. -0.00 min
Lab File: VY000681.D
Acq: 14 Nov 2019 19:20

Instrument :
MSVOA_Y
ClientSampleId :
MDL2

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		4819		
99	90.3	40.6		75.4#	
83	104.1	60.0		111.4	
85	75.3	37.9		70.5#	

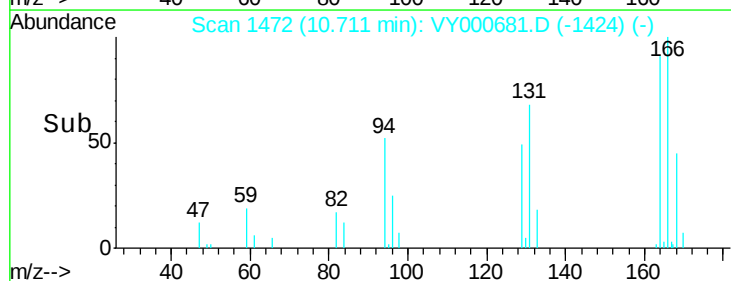
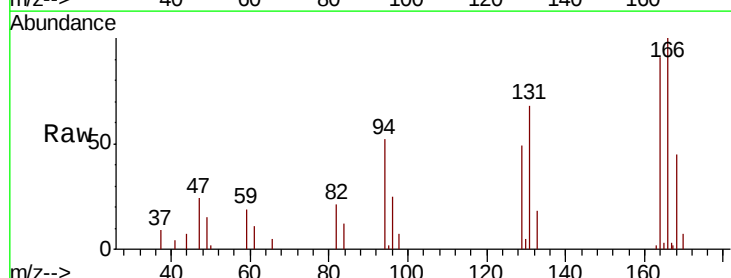
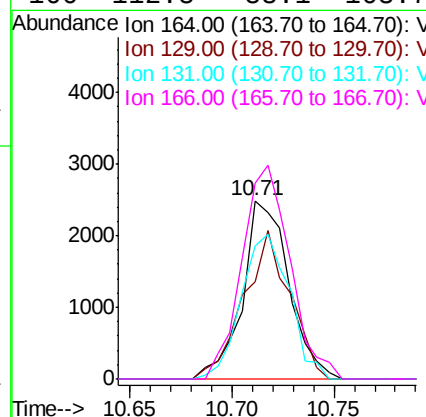
Manual Integrations
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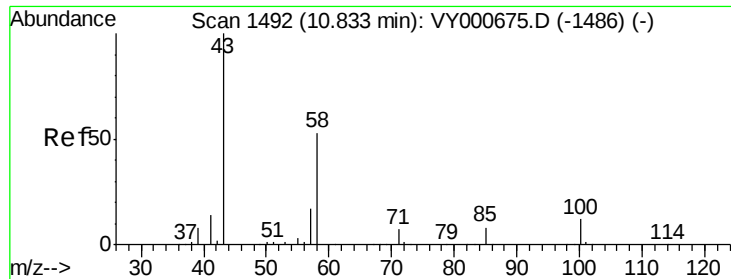
MMDadoda
11/15/2019 3:05:00 PM



#46
Tetrachloroethene
Concen: 2.439 ug/L
RT: 10.71 min Scan# 1472
Delta R.T. -0.01 min
Lab File: VY000681.D
Acq: 14 Nov 2019 19:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
164	100		3914		
129	54.3	65.5		121.7#	
131	74.4	60.1		111.7	
166	112.8	88.1		163.7	





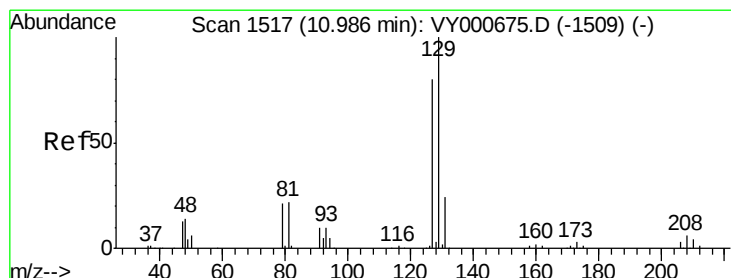
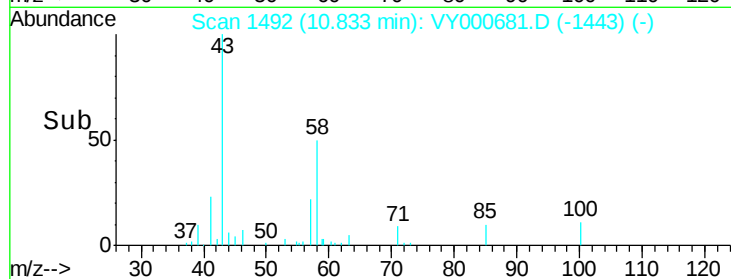
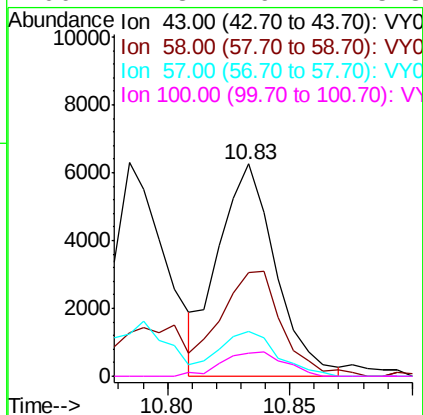
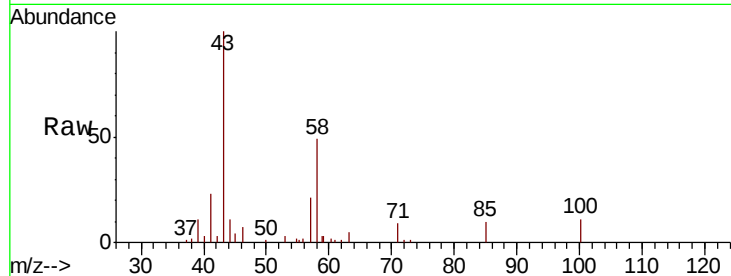
#48
2-Hexanone
Concen: 5.970 ug/L
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY000681.D
Acq: 14 Nov 2019 19:20

Instrument :
MSVOA_Y
ClientSampleId :
MDL2

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.5	42.3	63.5
57	22.1	13.8	20.6
100	12.3	9.2	13.8

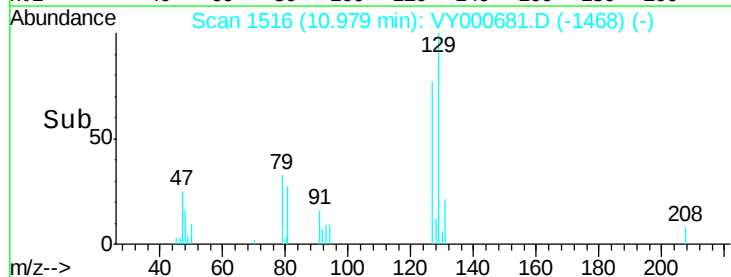
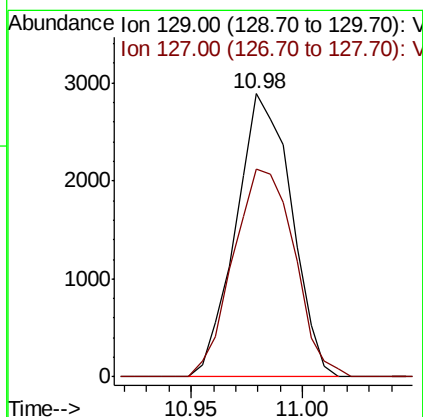
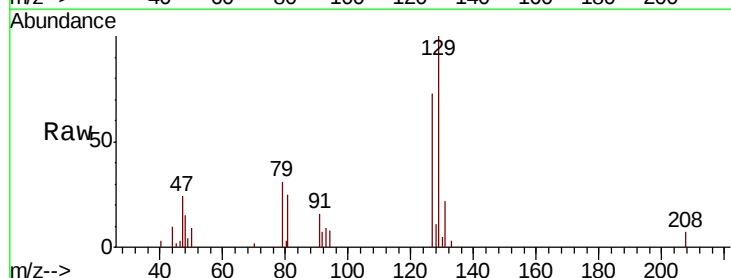
Manual Integrations
APPROVED

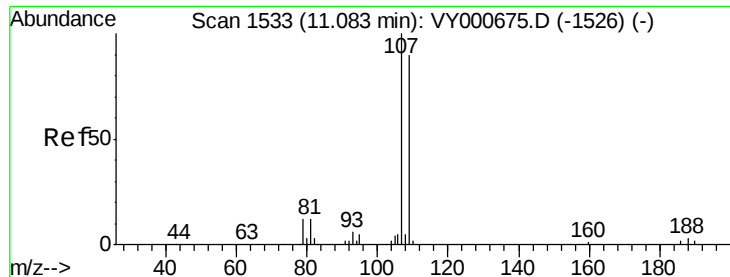
MMDadoda
11/15/2019 3:05:00 PM



#49
Dibromochloromethane
Concen: 2.378 ug/L
RT: 10.98 min Scan# 1516
Delta R.T. -0.01 min
Lab File: VY000681.D
Acq: 14 Nov 2019 19:20

Tgt Ion	Ratio	Lower	Upper
129	100		
127	73.4	55.9	103.7





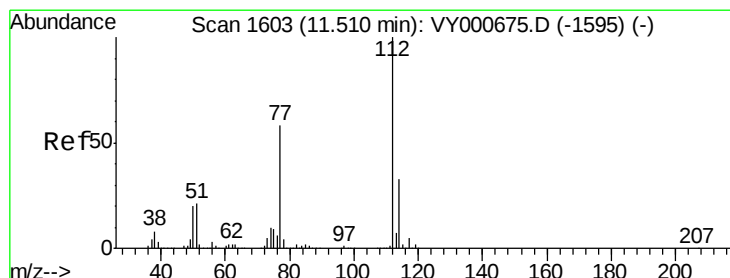
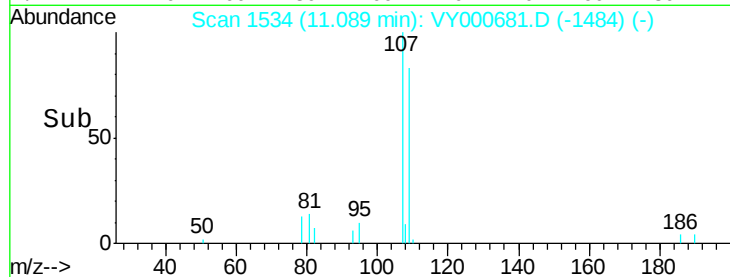
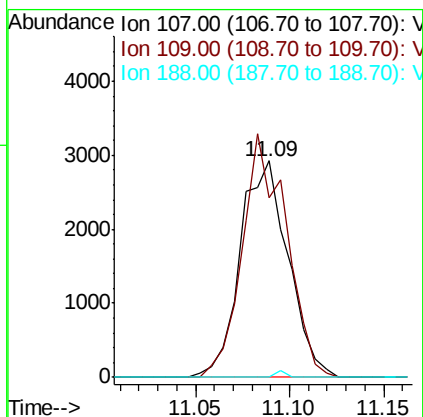
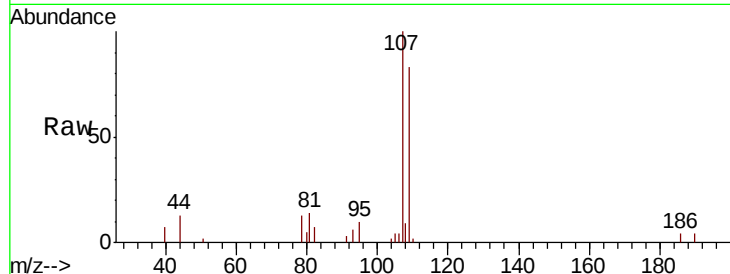
#50
1,2-Dibromoethane
Concen: 2.645 ug/L
RT: 11.09 min Scan# 1534
Delta R.T. 0.01 min
Lab File: VY000681.D
Acq: 14 Nov 2019 19:20

Instrument :
MSVOA_Y
ClientSampleId :
MDL2

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
109	83.1	62.9	116.9	
188	0.0	2.4	3.6#	

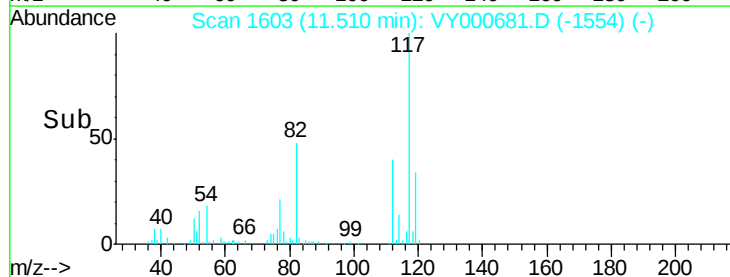
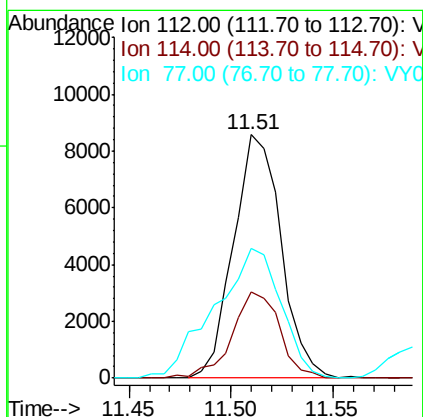
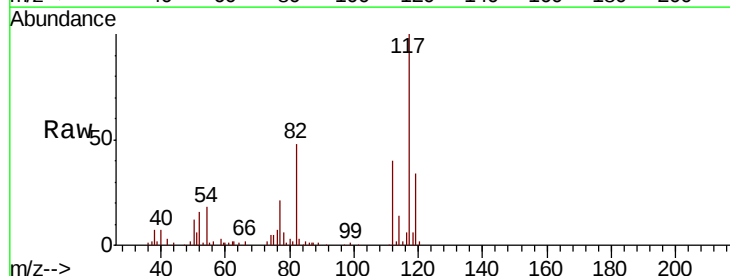
Manual Integrations
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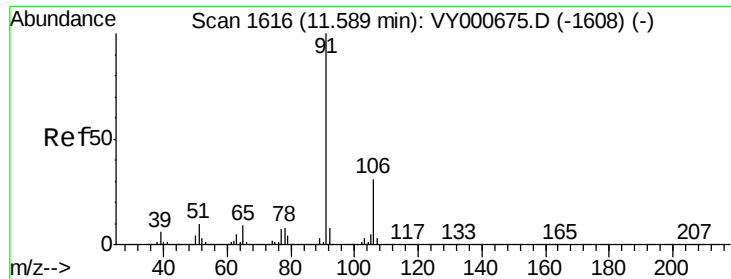
MMDadoda
11/15/2019 3:05:00 PM



#51
Chlorobenzene
Concen: 2.469 ug/L
RT: 11.51 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VY000681.D
Acq: 14 Nov 2019 19:20

Tgt Ion	Ratio	Resp	Lower	Upper
112	100			
114	35.4	23.3	43.3	
77	53.4	46.5	69.7	





#52

Ethylbenzene

Concen: 2.185 ug/L

RT: 11.59 min Scan# 1616

Delta R.T. -0.00 min

Lab File: VY000681.D

Acq: 14 Nov 2019 19:20

Instrument :

MSVOA_Y

ClientSampled :

MDL2

Tot Ion: 91 Resp: 21797

Ion Ratio Lower Upper

91 100

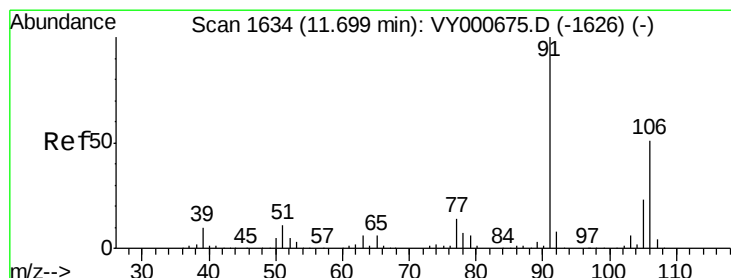
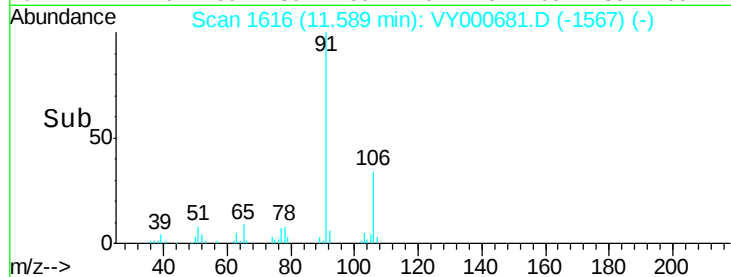
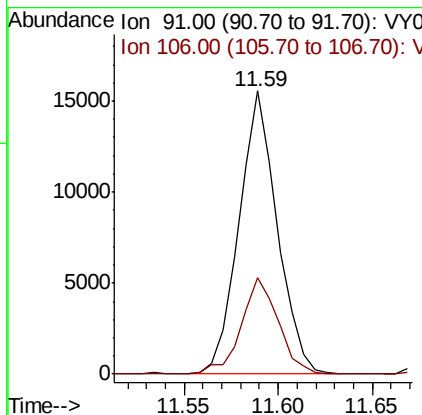
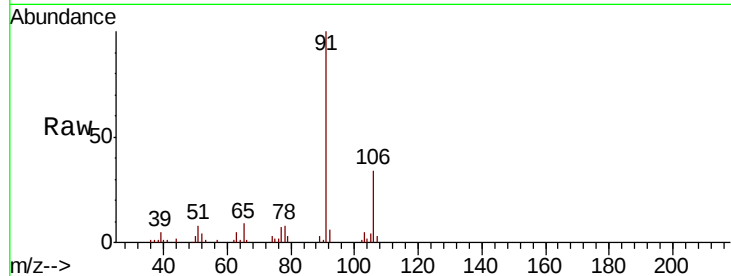
106 34.1 21.8 40.6

Manual Integrations

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11/15/2019 3:05:00 PM



#53

m,p-Xylene

Concen: 2.168 ug/L

RT: 11.70 min Scan# 1634

Delta R.T. -0.00 min

Lab File: VY000681.D

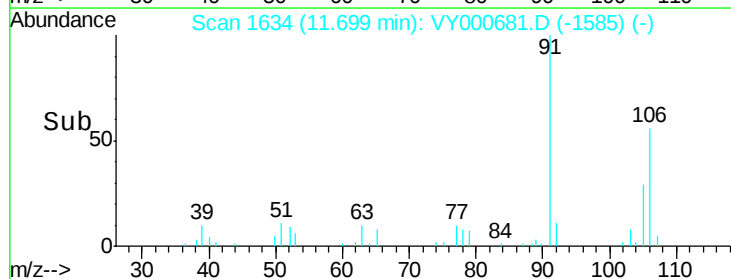
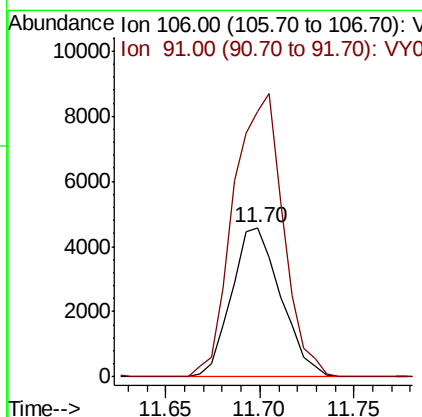
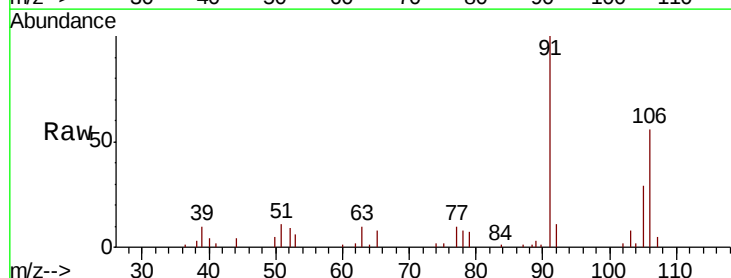
Acq: 14 Nov 2019 19:20

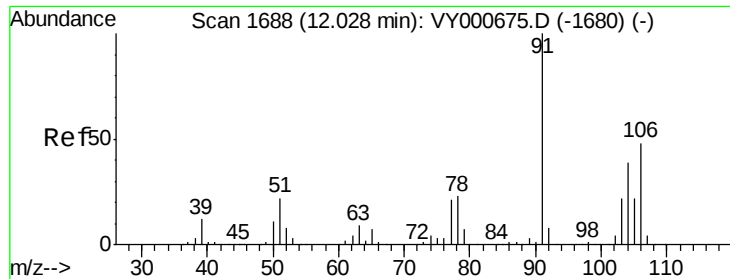
Tgt Ion: 106 Resp: 8318

Ion Ratio Lower Upper

106 100

91 177.3 137.6 255.6





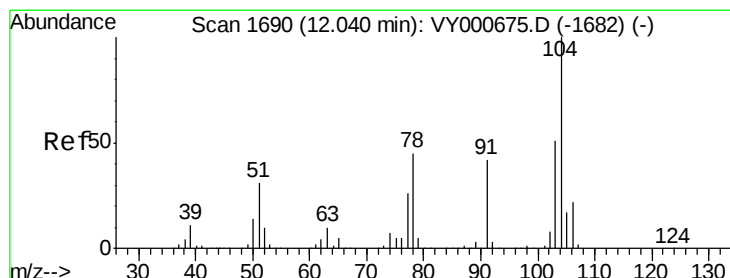
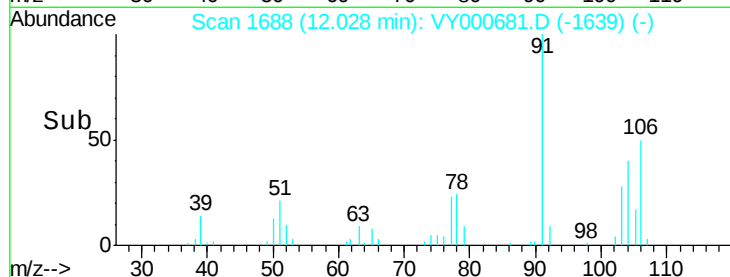
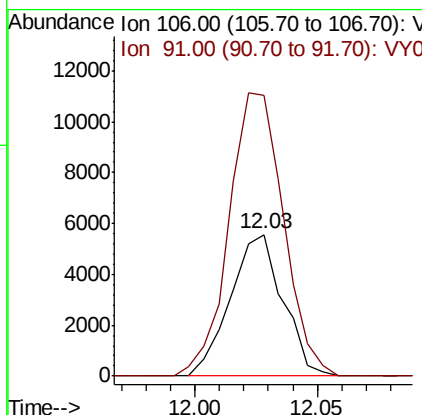
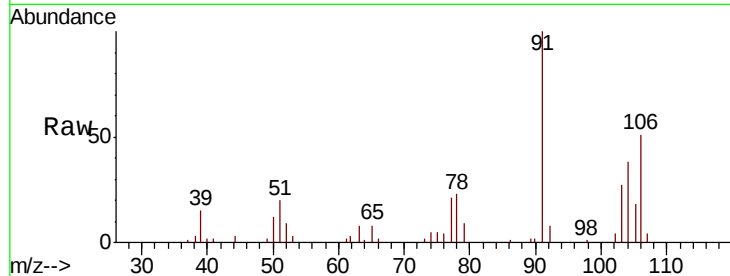
#54
o-xylene
Concen: 2.221 ug/L
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY000681.D
Acq: 14 Nov 2019 19:20

Instrument :
MSVOA_Y
ClientSampled :
MDL2

Tot Ion:106 Resp: 8356
Ion Ratio Lower Upper
106 100
91 197.5 145.9 270.9

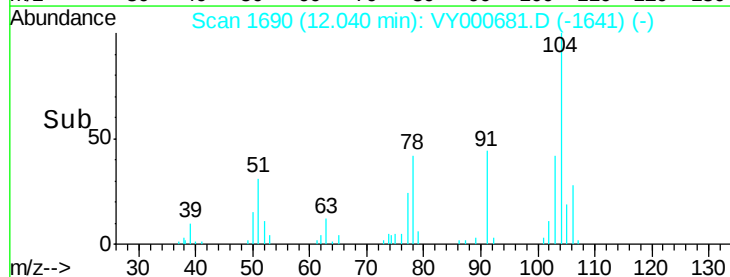
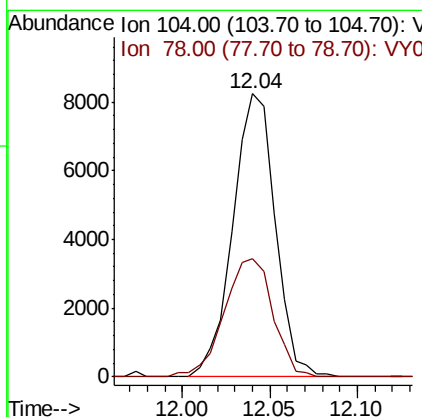
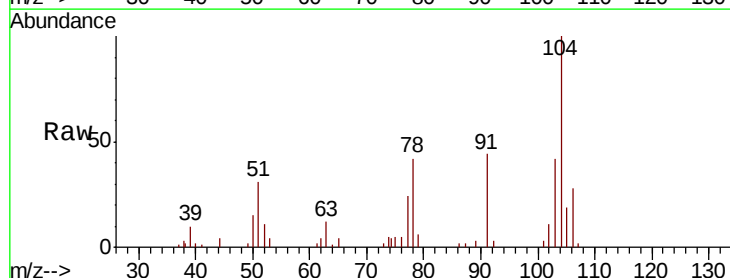
Manual Integrations
APPROVED

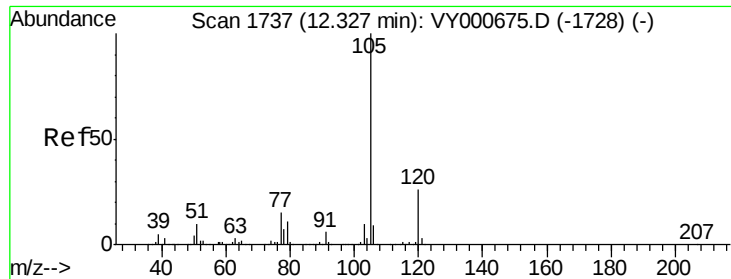
MMDadoda
11/15/2019 3:05:00 PM



#55
Styrene
Concen: 2.173 ug/L
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY000681.D
Acq: 14 Nov 2019 19:20

Tgt Ion:104 Resp: 13892
Ion Ratio Lower Upper
104 100
78 41.6 31.4 58.4





#56

Isopropylbenzene

Concen: 2.022 ug/L

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY000681.D

Acq: 14 Nov 2019 19:20

Instrument :

MSVOA_Y

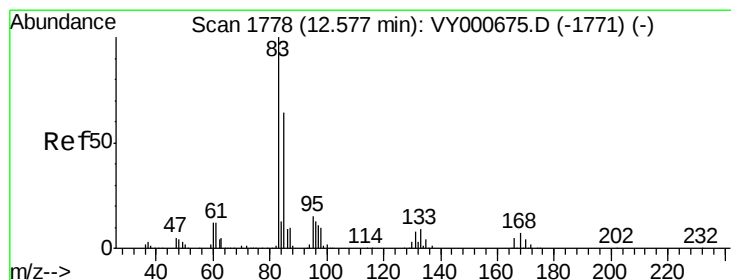
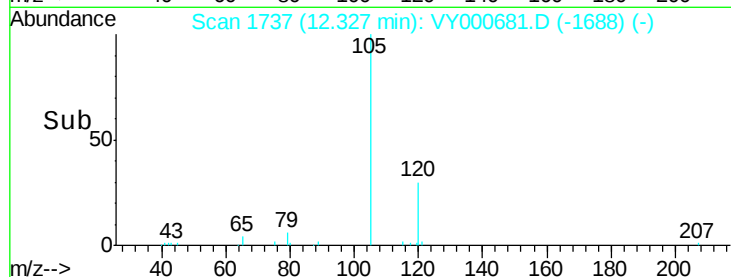
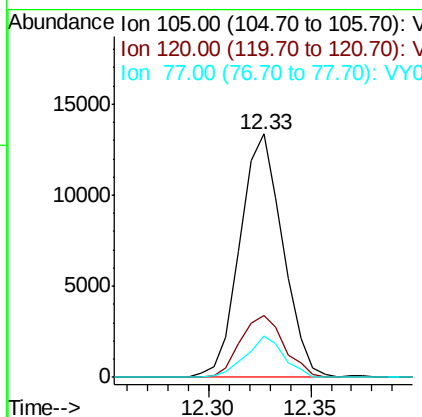
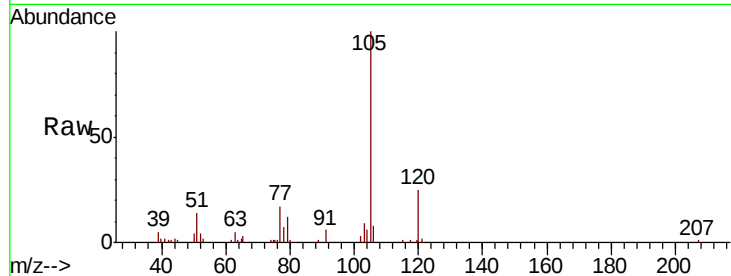
ClientSampleId :

MDL2

Tot Ion:	105	Resp:	19472
Ion Ratio	Lower	Upper	
105	100		
120	25.8	21.4	32.2
77	15.0	12.9	19.3

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#58

1,1,2,2-Tetrachloroethane

Concen: 2.791 ug/L

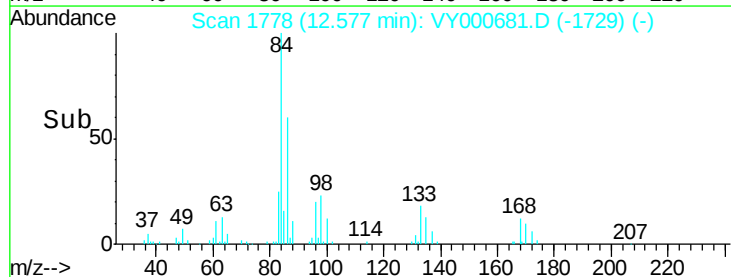
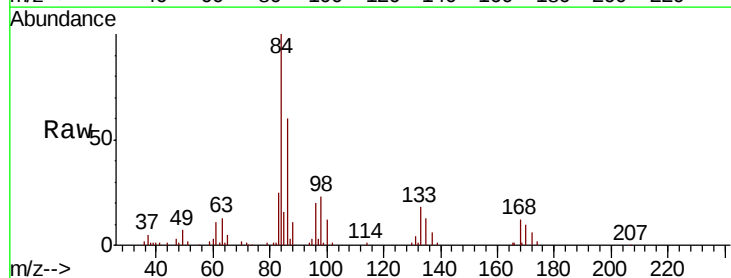
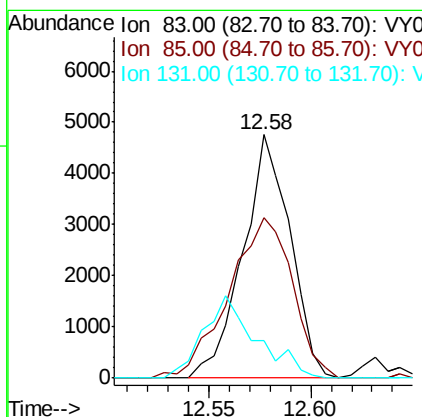
RT: 12.58 min Scan# 1778

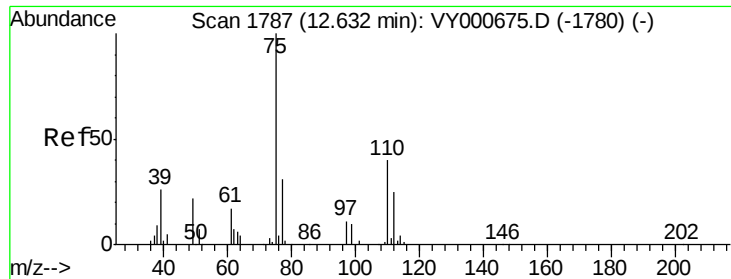
Delta R.T. -0.00 min

Lab File: VY000681.D

Acq: 14 Nov 2019 19:20

Tgt Ion:	83	Resp:	7672
Ion Ratio	Lower	Upper	
83	100		
85	65.7	45.0	83.6
131	15.6	6.6	9.8#





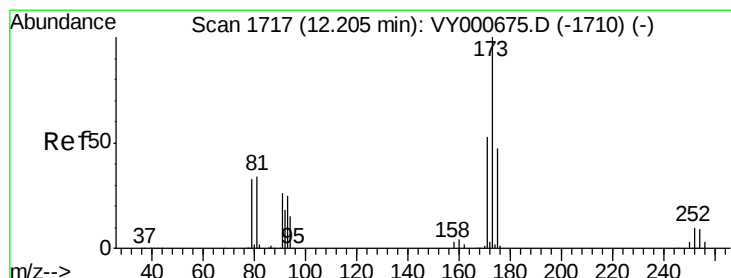
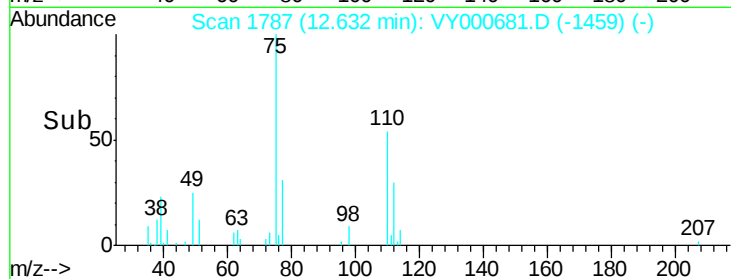
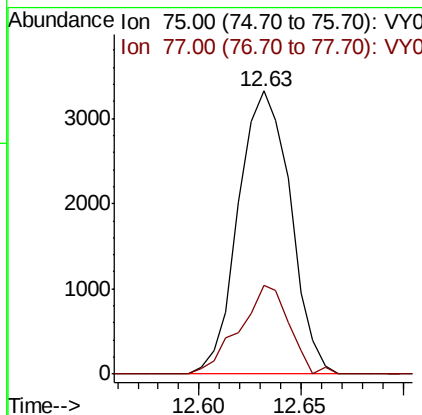
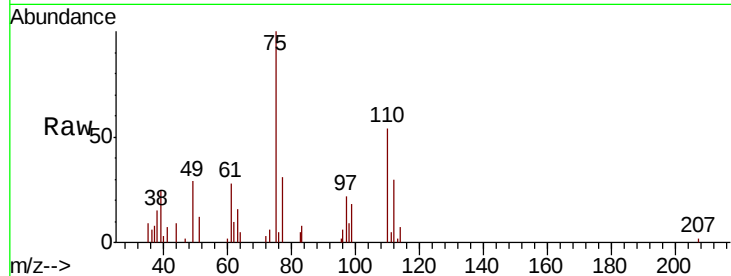
#59
 1,2,3-Trichloropropane
 Concen: 2.711 ug/L
 RT: 12.63 min Scan# 1787
 Delta R.T. -0.00 min
 Lab File: VY000681.D
 Acq: 14 Nov 2019 19:20

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL2

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.3	25.5	38.3

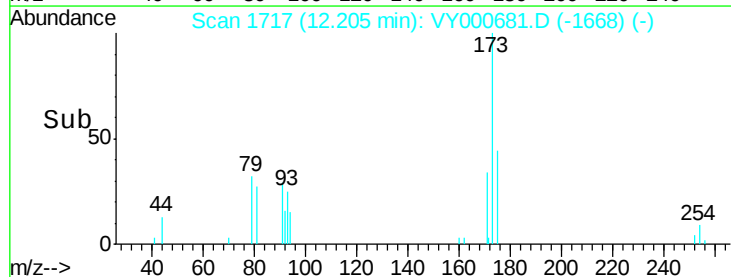
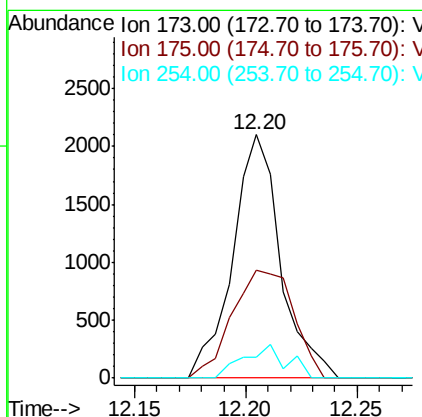
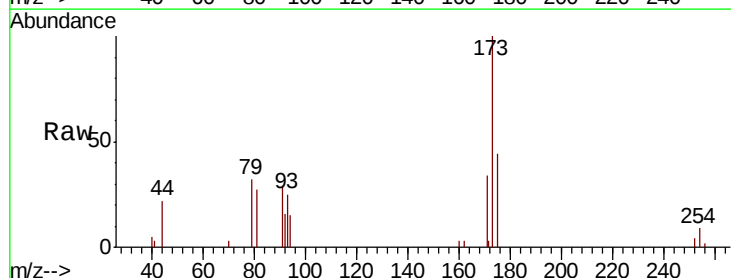
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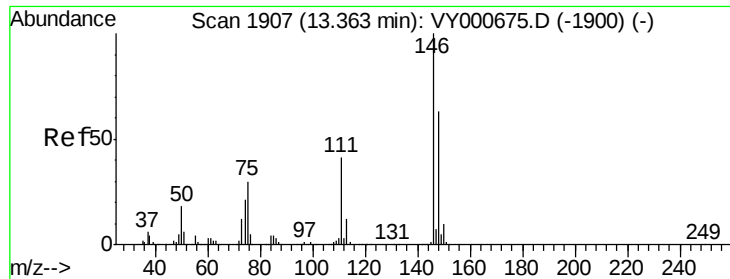
MMDadoda
 11/15/2019 3:05:00 PM



#61
 Bromoform
 Concen: 2.412 ug/L
 RT: 12.20 min Scan# 1717
 Delta R.T. -0.00 min
 Lab File: VY000681.D
 Acq: 14 Nov 2019 19:20

Tgt Ion	Ratio	Lower	Upper
173	100		
175	56.6	36.6	55.0#
254	12.1	7.4	11.2#





#62

1,3-Dichlorobenzene

Concen: 2.596 ug/L

RT: 13.36 min Scan# 1907

Delta R.T. -0.00 min

Lab File: VY000681.D

Acq: 14 Nov 2019 19:20

Instrument :

MSVOA_Y

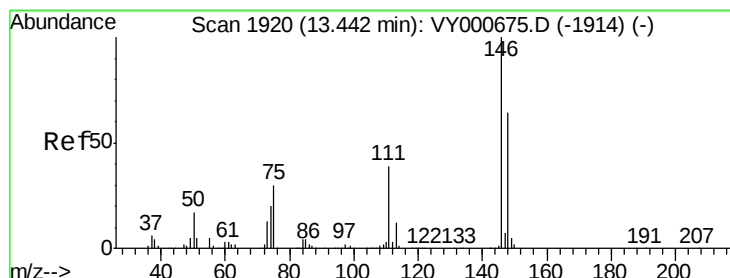
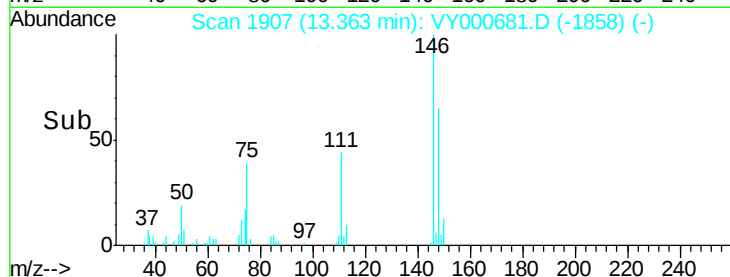
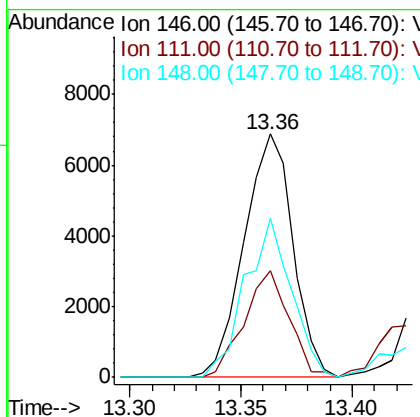
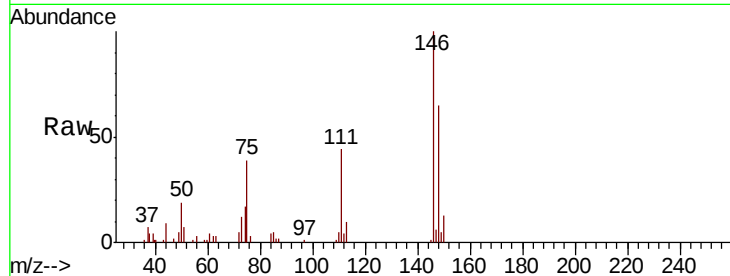
ClientSampleId :

MDL2

Tot Ion:	146	Resp:	10511
Ion Ratio	Lower	Upper	
146	100		
111	43.8	28.4	52.8
148	65.2	44.1	81.9

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#63

1,4-Dichlorobenzene

Concen: 2.588 ug/L

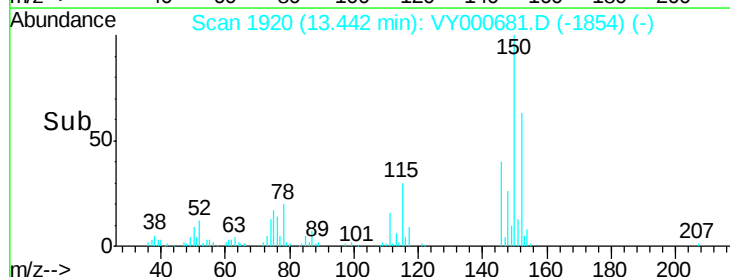
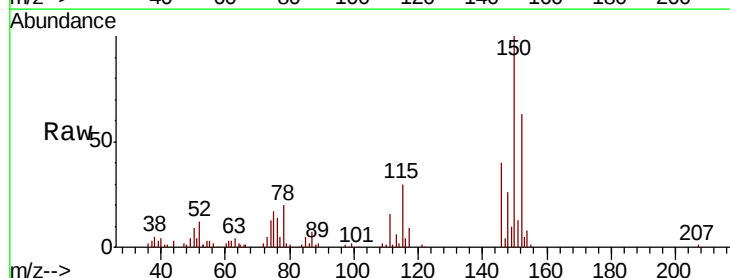
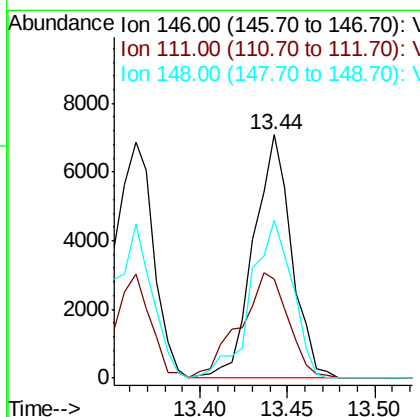
RT: 13.44 min Scan# 1920

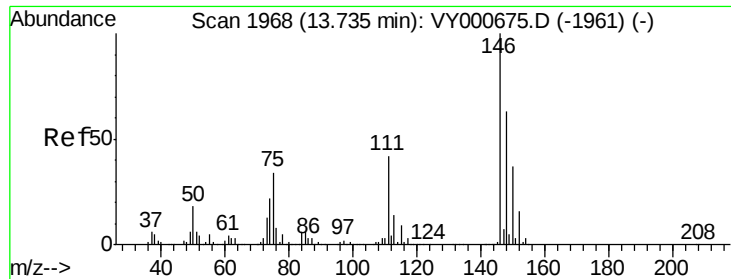
Delta R.T. -0.00 min

Lab File: VY000681.D

Acq: 14 Nov 2019 19:20

Tgt Ion:	146	Resp:	10736
Ion Ratio	Lower	Upper	
146	100		
111	40.9	27.4	51.0
148	65.0	45.2	84.0





#65

1,2-Dichlorobenzene

Concen: 2.685 ug/L

RT: 13.73 min Scan# 1968

Delta R.T. -0.00 min

Lab File: VY000681.D

Acq: 14 Nov 2019 19:20

Instrument :

MSVOA_Y

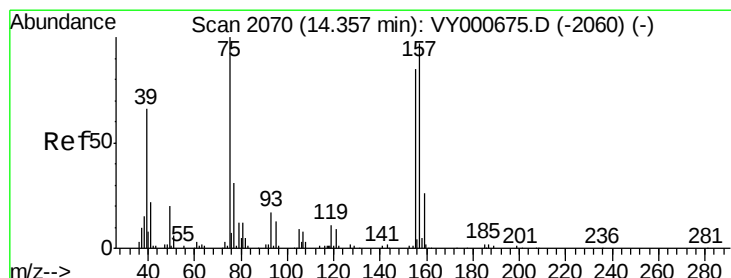
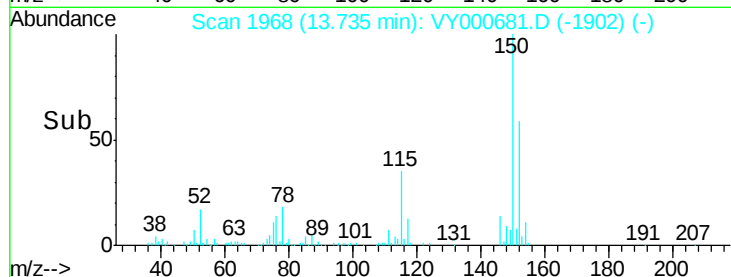
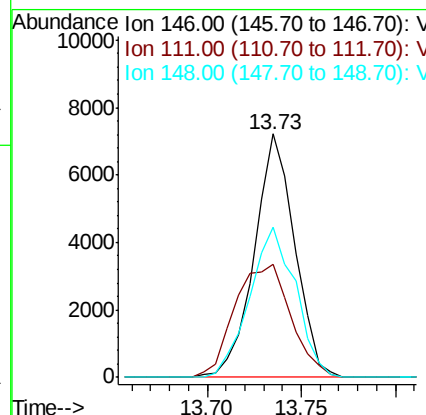
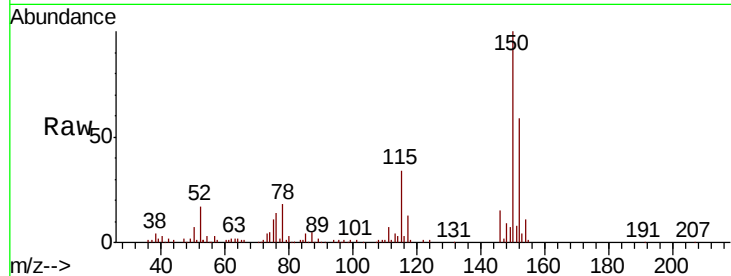
ClientSampled :

MDL2

Tot Ion:	146	Resp:	10706
Ion Ratio	Lower	Upper	
146	100		
111	46.6	33.4	50.0
148	61.7	50.8	76.2

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#66

1,2-Dibromo-3-chloropropane

Concen: 3.249 ug/L

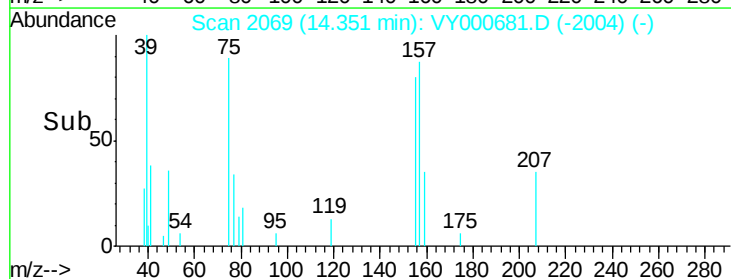
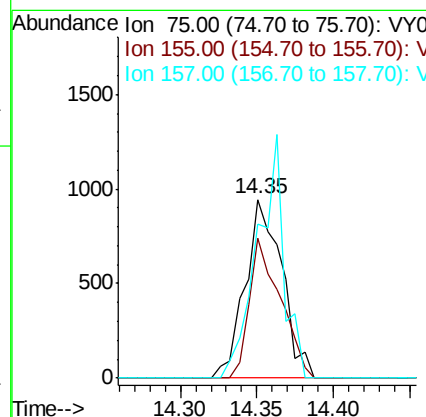
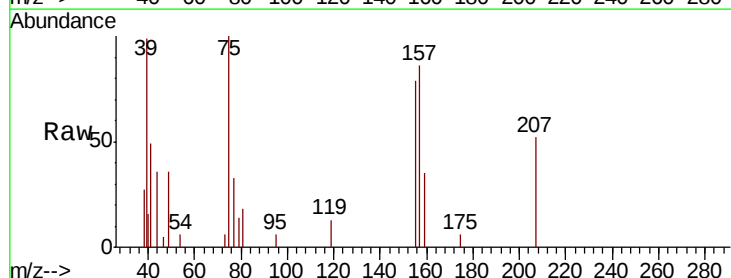
RT: 14.35 min Scan# 2069

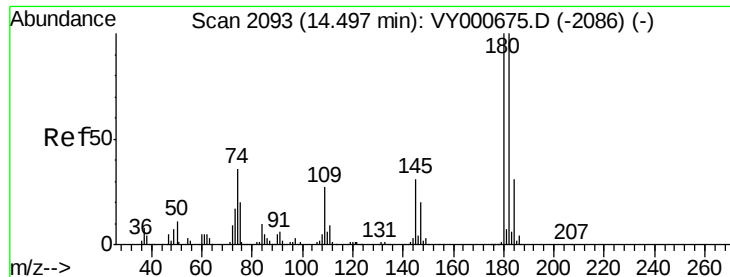
Delta R.T. -0.01 min

Lab File: VY000681.D

Acq: 14 Nov 2019 19:20

Tgt Ion:	75	Resp:	1565
Ion Ratio	Lower	Upper	
75	100		
155	78.8	67.7	101.5
157	86.3	77.8	116.8





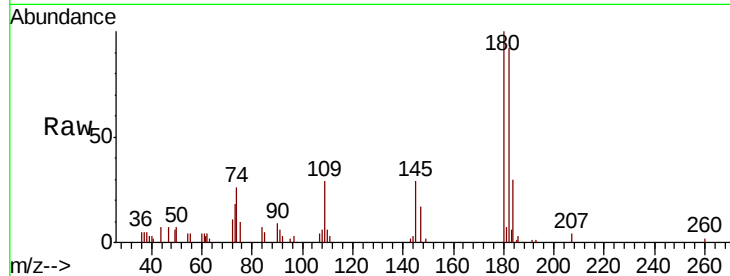
#67
 1,3,5-Trichlorobenzene
 Concen: 2.473 ug/L
 RT: 14.50 min Scan# 2094
 Delta R.T. 0.01 min
 Lab File: VY000681.D
 Acq: 14 Nov 2019 19:20

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL2

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	77.8	116.6
184	28.3	25.2	37.8
145	32.5	24.9	37.3

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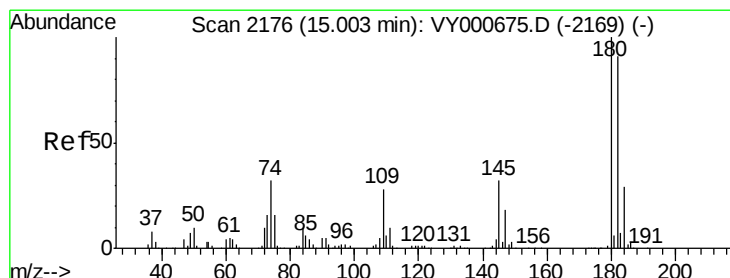
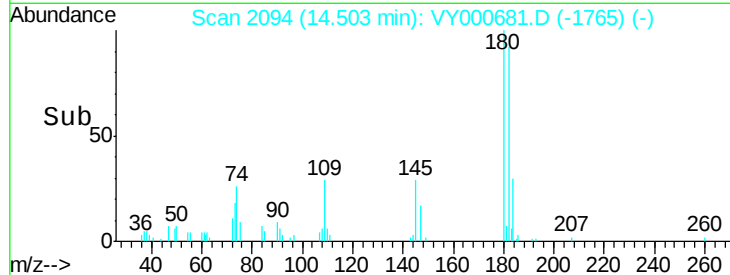
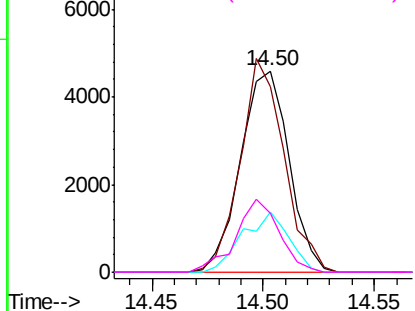
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

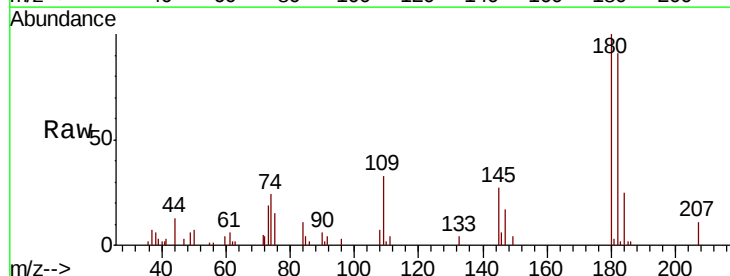
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 2.595 ug/L
 RT: 15.01 min Scan# 2177
 Delta R.T. 0.01 min
 Lab File: VY000681.D
 Acq: 14 Nov 2019 19:20

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.5	75.5	113.3
145	27.4	25.4	38.0

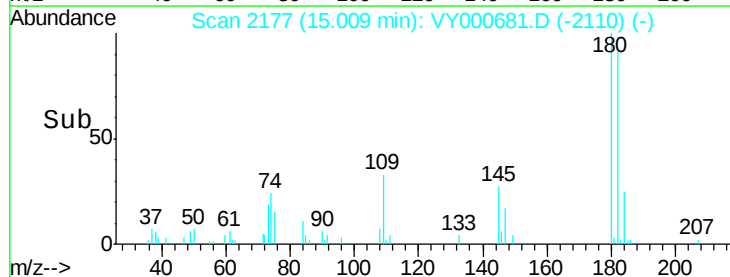
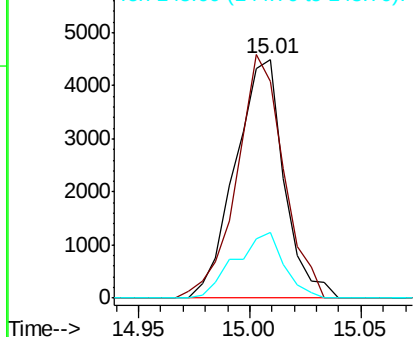


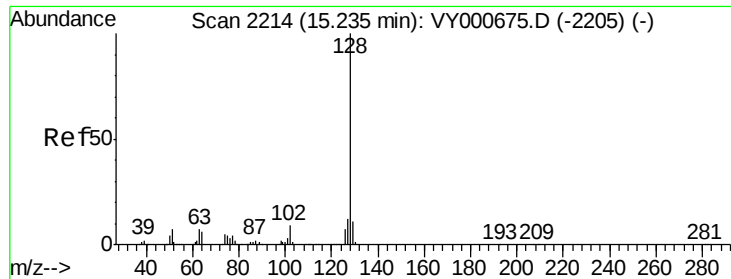
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





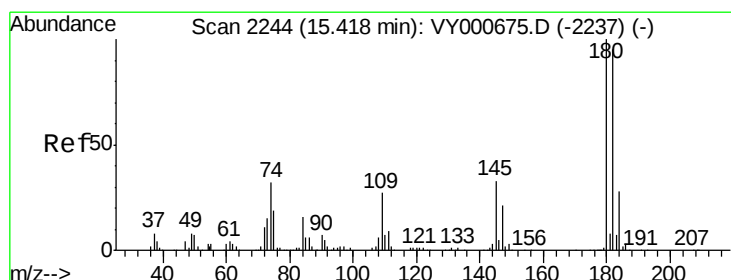
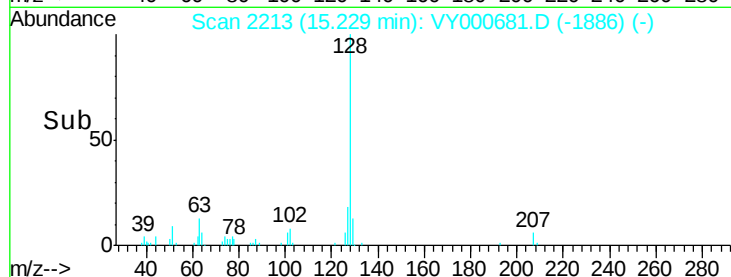
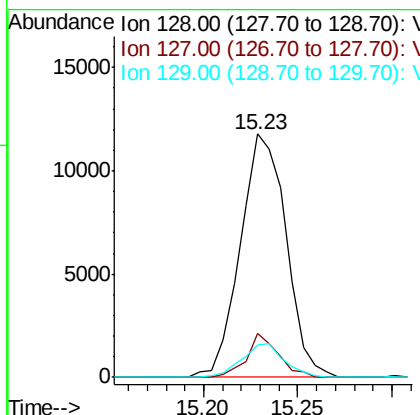
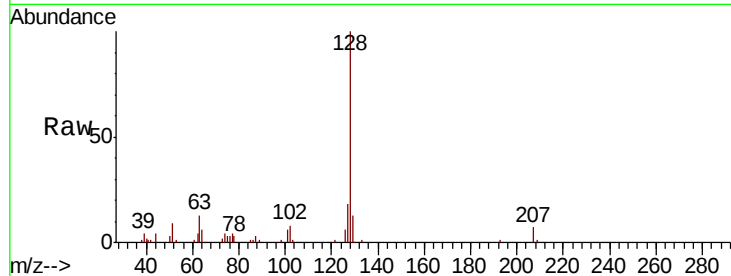
#69
Naphthalene
Concen: 2.498 ug/L
RT: 15.23 min Scan# 2213
Delta R.T. -0.01 min
Lab File: VY000681.D
Acq: 14 Nov 2019 19:20

Instrument :
MSVOA_Y
ClientSampleId :
MDL2

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.1	15.1
129	12.8	8.7	13.1

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#70
1,2,3-Trichlorobenzene
Concen: 2.805 ug/L
RT: 15.42 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VY000681.D
Acq: 14 Nov 2019 19:20

Tgt Ion	Ratio	Lower	Upper
180	100		
182	89.5	75.3	112.9
145	30.6	25.8	38.8

