

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111419\
 Data File : VY000682.D
 Acq On : 14 Nov 2019 19:42
 Operator : SY/MD
 Sample : MDL3
 Misc : 5ML/MSVOA Y/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL3

Manual Integrations
 APPROVED

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

Quant Time: Nov 15 10:34:50 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	301973	50.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	266856	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	121914	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	114612	48.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.64%
7) Chloroethane-d5	2.76	69	101044	51.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.34%
11) 1,1-Dichloroethene-d2	3.85	63	155329	37.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.26%
21) 2-Butanone-d5	6.91	46	113537	121.34	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	121.34%
24) Chloroform-d	7.49	84	185266	54.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.38%
26) 1,2-Dichloroethane-d4	8.15	65	128572	53.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.62%
32) Benzene-d6	8.12	84	402342	53.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.84%
36) 1,2-Dichloropropane-d6	9.13	67	128361	55.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	111.50%
41) Toluene-d8	10.18	98	342590	49.58	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.16%
43) trans-1,3-Dichloropropene-	10.44	79	61659	53.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	107.04%
47) 2-Hexanone-d5	10.79	63	79416	117.00	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	117.00%
57) 1,1,2,2-Tetrachloroethane-	12.56	84	145552	53.59	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.18%
64) 1,2-Dichlorobenzene-d4	13.72	152	123699	52.44	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.88%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.90	85	3191	1.851 ug/L #	86
3) Chloromethane	2.12	50	6412	2.796 ug/L	98
5) Vinyl chloride	2.25	62	6107	2.656 ug/L #	55
6) Bromomethane	2.66	94	4028	3.047 ug/L	94
8) Chloroethane	2.79	64	3832	2.655 ug/L	87
9) Trichlorofluoromethane	3.13	101	6945	2.046 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	3.90	101	4846m	2.558 ug/L	
12) 1,1-Dichloroethene	3.87	96	5958m	3.143 ug/L	
13) Acetone	3.96	43	4673	6.937 ug/L	82
14) Carbon disulfide	4.19	76	13394	2.562 ug/L	99
15) Methyl Acetate	4.49	43	4727	2.792 ug/L #	71
16) Methylene chloride	4.71	84	6501m	3.208 ug/L	
17) trans-1,2-Dichloroethene	5.22	96	5294	2.675 ug/L	96
18) Methyl tert-butyl Ether	5.24	73	16679	2.799 ug/L #	78
19) 1,1-Dichloroethane	6.02	63	9921m	2.789 ug/L	
20) cis-1,2-Dichloroethene	7.00	96	6350	2.862 ug/L	84
22) 2-Butanone	7.01	43	6334	5.975 ug/L	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.35	128	2867	2.803	ug/L	85
25) Chloroform	7.52	83	23552	5.782	ug/L	98
27) 1,2-Dichloroethane	8.25	62	8122	2.920	ug/L #	94
29) Cyclohexane	7.78	56	5668	1.820	ug/L #	22
30) 1,1,1-Trichloroethane	7.71	97	7943	2.725	ug/L #	72
31) Carbon tetrachloride	7.90	117	5936	2.274	ug/L	95
33) Benzene	8.17	78	21987	2.766	ug/L	100
34) Trichloroethene	8.94	95	4655	2.332	ug/L	93
35) Methylcyclohexane	9.19	83	5582	1.694	ug/L #	93
37) 1,2-Dichloropropane	9.22	63	5814	2.948	ug/L #	91
38) Bromodichloromethane	9.50	83	7266	2.743	ug/L #	93
39) cis-1,3-Dichloropropene	9.93	75	9791	2.922	ug/L	99
40) 4-Methyl-2-pentanone	10.08	43	12337	5.454	ug/L	99
42) Toluene	10.25	91	21191	2.518	ug/L	94
44) trans-1,3-Dichloropropene	10.46	75	8760	2.986	ug/L	96
45) 1,1,2-Trichloroethane	10.64	97	5307	2.837	ug/L #	83
46) Tetrachloroethene	10.71	164	3134	2.029	ug/L	93
48) 2-Hexanone	10.83	43	10485	6.420	ug/L	93
49) Dibromochloromethane	10.99	129	5598	2.763	ug/L	86
50) 1,2-Dibromoethane	11.09	107	5207	2.781	ug/L #	74
51) Chlorobenzene	11.52	112	14132	2.607	ug/L #	88
52) Ethylbenzene	11.60	91	21110	2.198	ug/L	97
53) m,p-Xylene	11.70	106	8281	2.242	ug/L	94
54) o-xylene	12.02	106	7533	2.080	ug/L	78
55) Styrene	12.04	104	13816	2.246	ug/L	90
56) Isopropylbenzene	12.33	105	17395	1.877	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.58	83	8321	3.144	ug/L #	80
59) 1,2,3-Trichloropropane	12.63	75	5801	2.771	ug/L	93
61) Bromoform	12.20	173	3414	2.766	ug/L #	97
62) 1,3-Dichlorobenzene	13.36	146	9358	2.448	ug/L	93
63) 1,4-Dichlorobenzene	13.45	146	10230	2.612	ug/L	90
65) 1,2-Dichlorobenzene	13.73	146	10786	2.864	ug/L	94
66) 1,2-Dibromo-3-chloropropan	14.36	75	1470	3.231	ug/L #	86
67) 1,3,5-Trichlorobenzene	14.50	180	6464	2.422	ug/L	95
68) 1,2,4-trichlorobenzene	15.00	180	6728	2.688	ug/L	98
69) Naphthalene	15.23	128	20284	2.712	ug/L #	95
70) 1,2,3-Trichlorobenzene	15.42	180	6492	2.695	ug/L	99

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

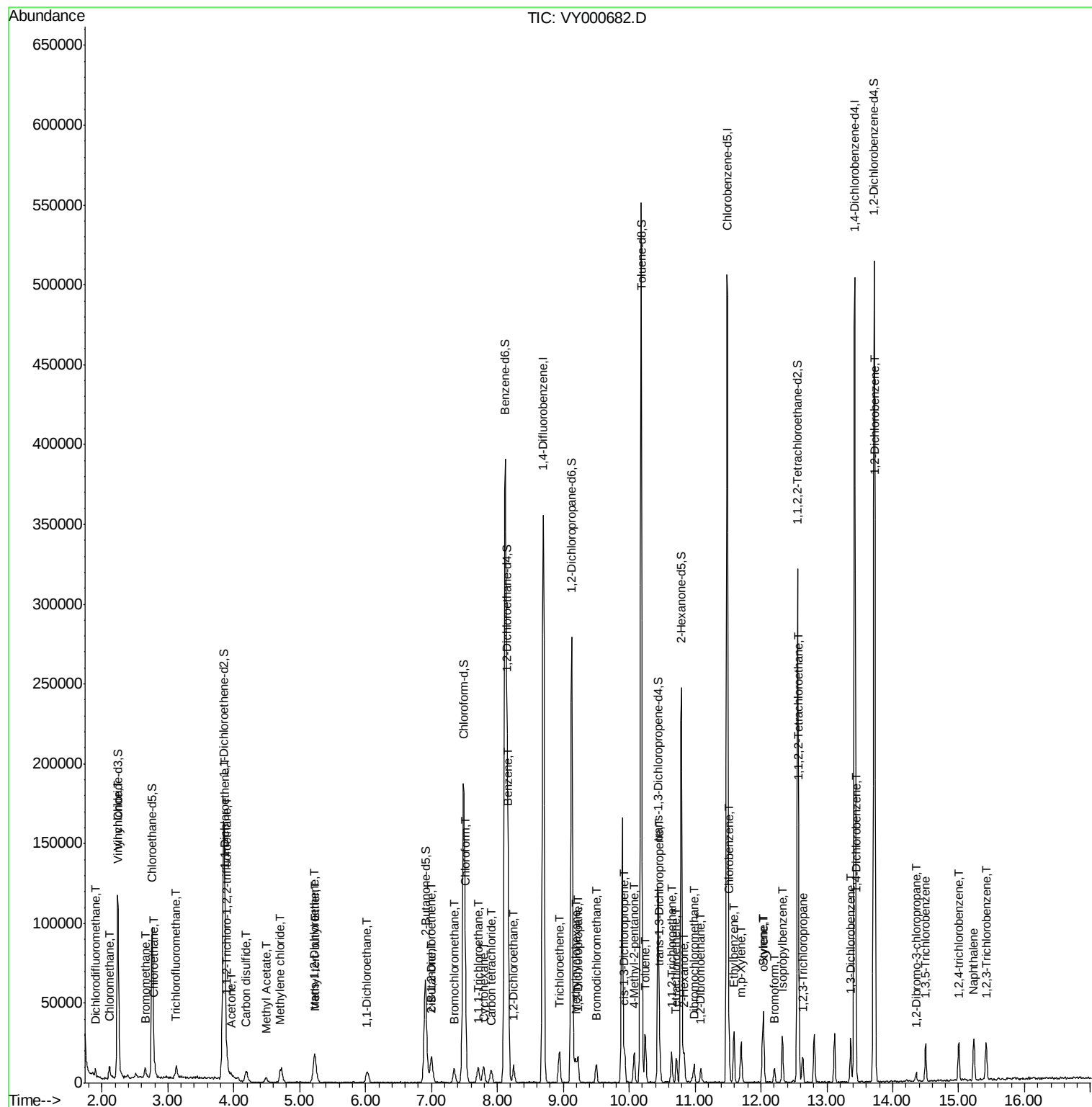
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY111419\
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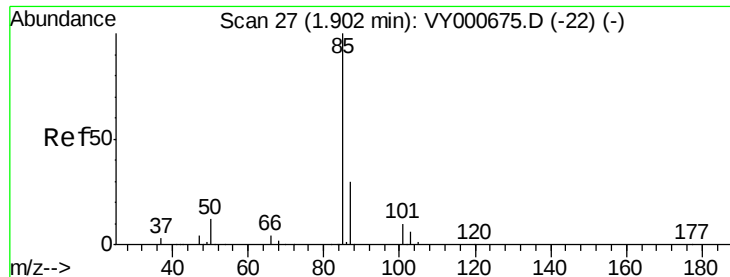
Instrument :
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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 1.851 ug/L

RT: 1.90 min Scan# 27

Delta R.T. -0.00 min

Lab File: VY000682.D

Acq: 14 Nov 2019 19:42

Instrument :

MSVOA_Y

ClientSampleId :

MDL3

Tot Ion: 85 Resp: 3191

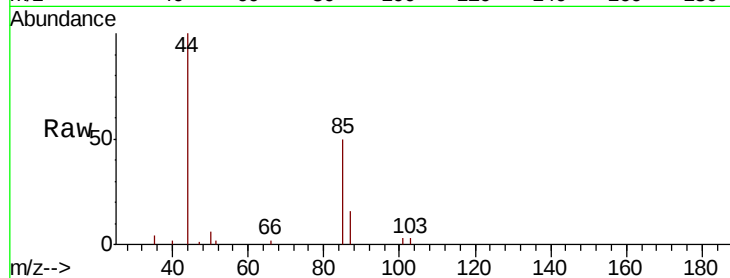
Ion Ratio Lower Upper

85 100

87 24.1 25.8 38.6#

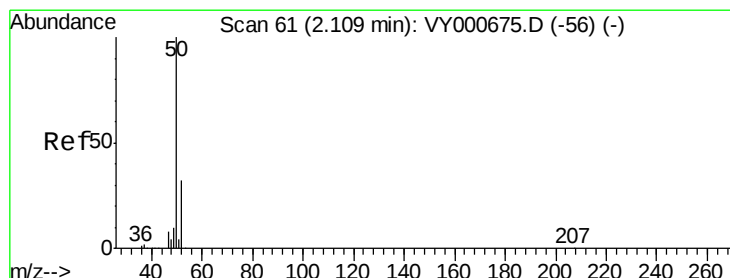
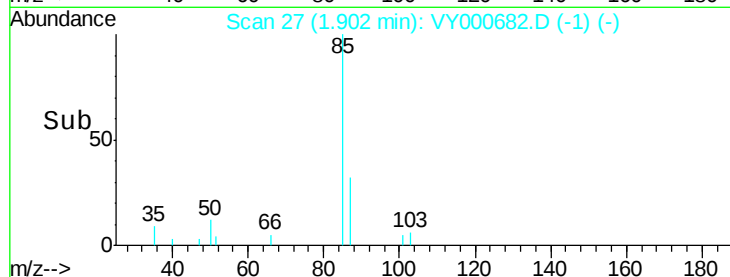
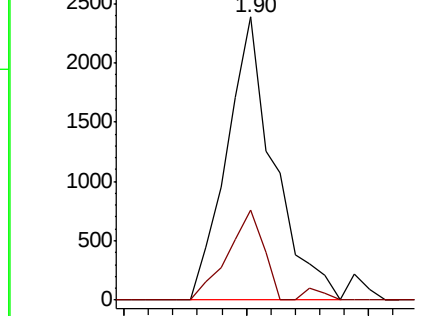
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Abundance Ion 85.00 (84.70 to 85.70): VY0

Ion 87.00 (86.70 to 87.70): VY0



#3

Chloromethane

Concen: 2.796 ug/L

RT: 2.12 min Scan# 62

Delta R.T. 0.01 min

Lab File: VY000682.D

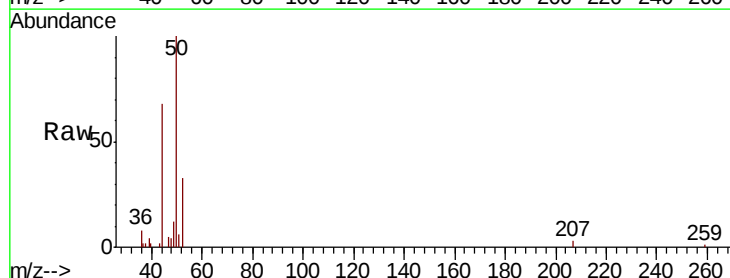
Acq: 14 Nov 2019 19:42

Tgt Ion: 50 Resp: 6412

Ion Ratio Lower Upper

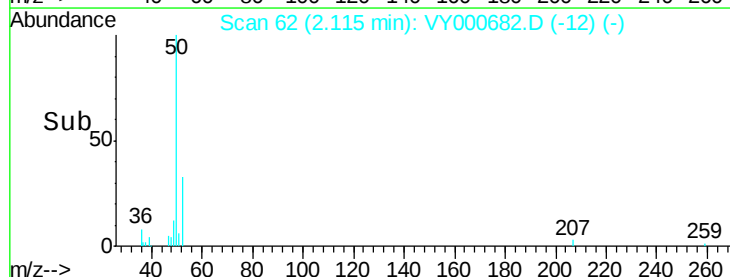
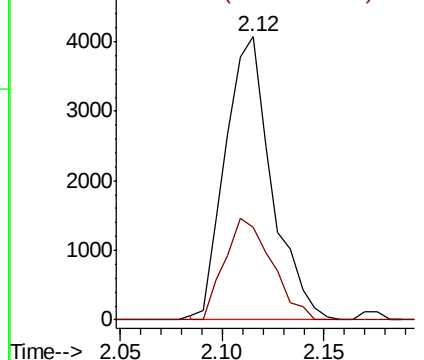
50 100

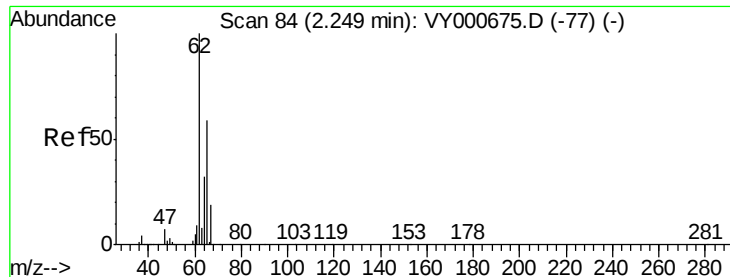
52 32.6 22.2 41.2



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0





#5

Vinyl chloride

Concen: 2.656 ug/L

RT: 2.25 min Scan# 84

Delta R.T. -0.00 min

Lab File: VY000682.D

Acq: 14 Nov 2019 19:42

Instrument :

MSVOA_Y

ClientSampleId :

MDL3

Tot Ion: 62 Resp: 6107

Ion Ratio Lower Upper

62 100

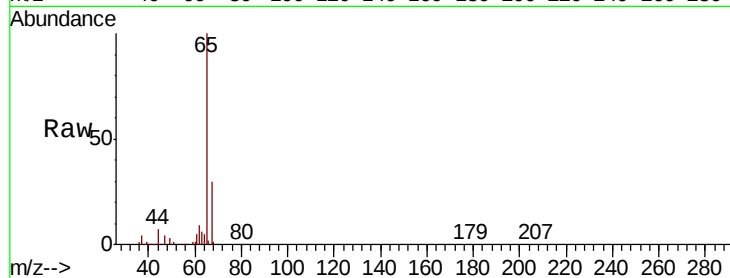
64 57.4 22.7 42.1#

Manual Integrations

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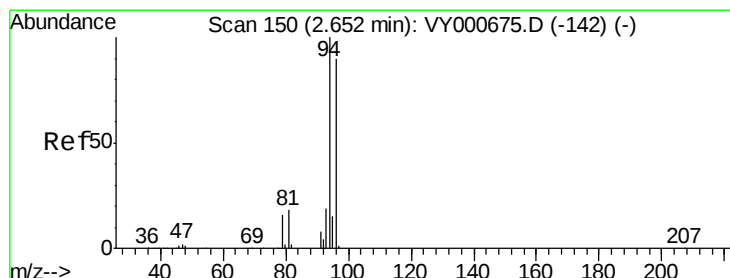
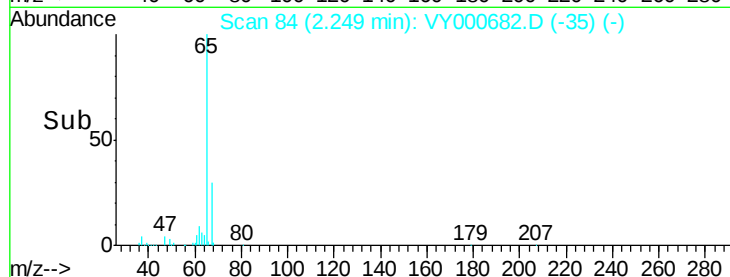
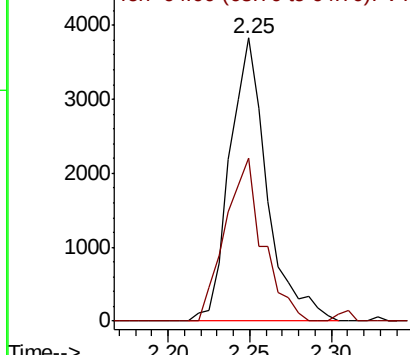
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Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 64.00 (63.70 to 64.70): VY0



#6

Bromomethane

Concen: 3.047 ug/L

RT: 2.66 min Scan# 151

Delta R.T. 0.01 min

Lab File: VY000682.D

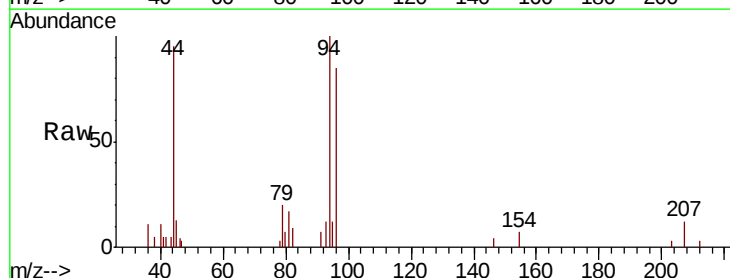
Acq: 14 Nov 2019 19:42

Tgt Ion: 94 Resp: 4028

Ion Ratio Lower Upper

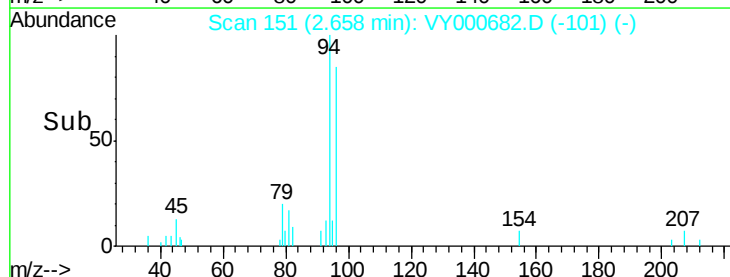
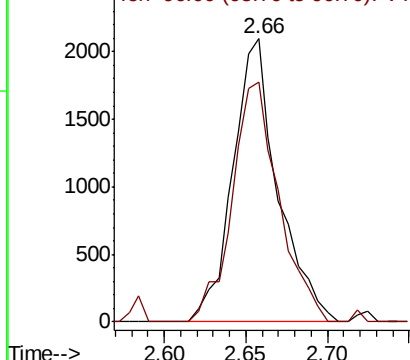
94 100

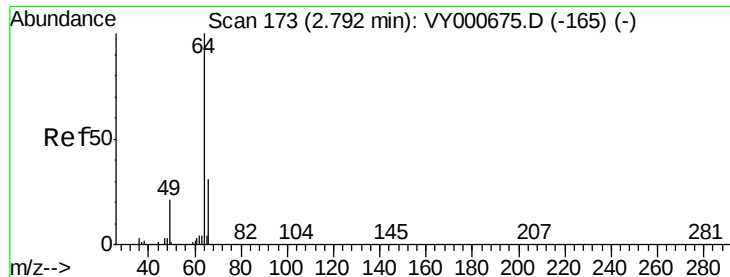
96 84.7 63.0 117.0



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0





#8

Chloroethane

Concen: 2.655 ug/L

RT: 2.79 min Scan# 173

Delta R.T. -0.00 min

Lab File: VY000682.D

Acq: 14 Nov 2019 19:42

Instrument :

MSVOA_Y

ClientSampleId :

MDL3

Tot Ion: 64 Resp: 3832

Ion Ratio Lower Upper

64 100

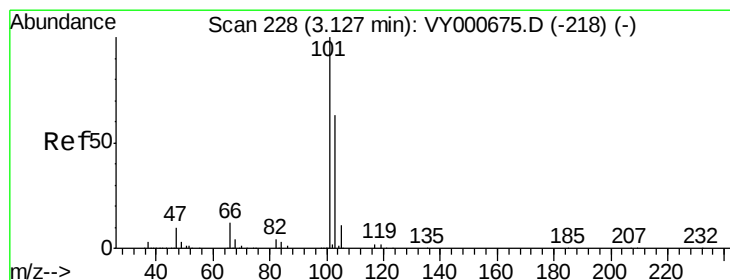
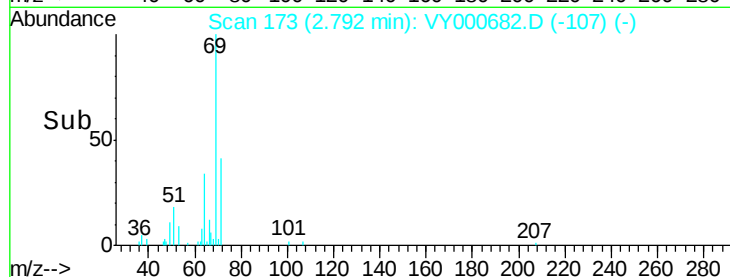
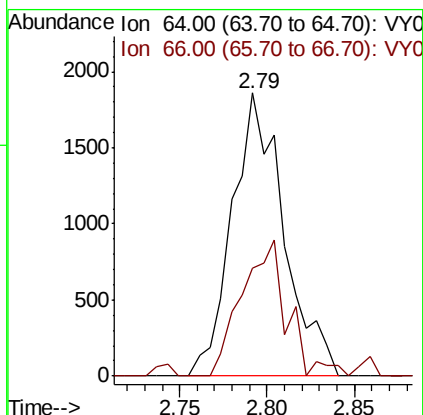
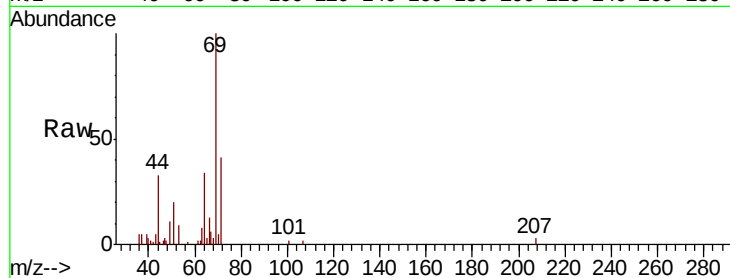
66 38.4 21.7 40.3

Manual Integrations

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#9

Trichlorofluoromethane

Concen: 2.046 ug/L

RT: 3.13 min Scan# 229

Delta R.T. 0.01 min

Lab File: VY000682.D

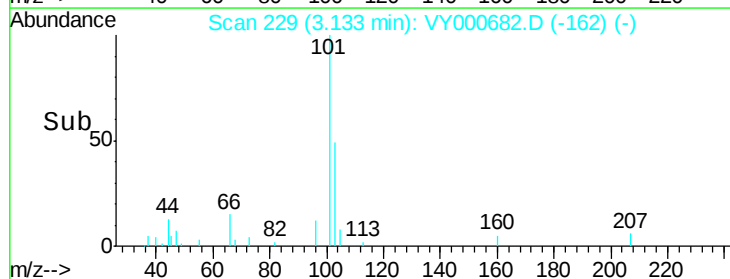
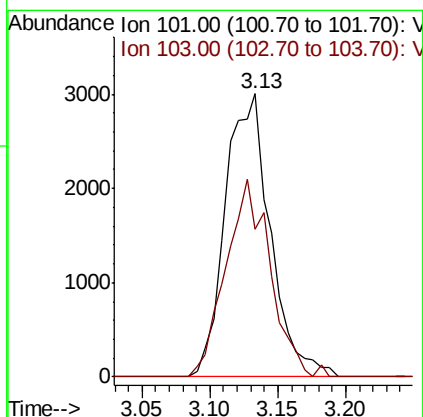
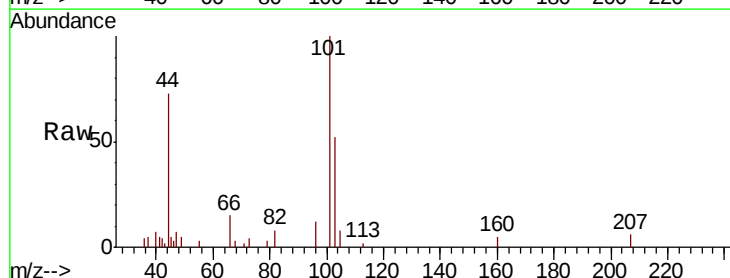
Acq: 14 Nov 2019 19:42

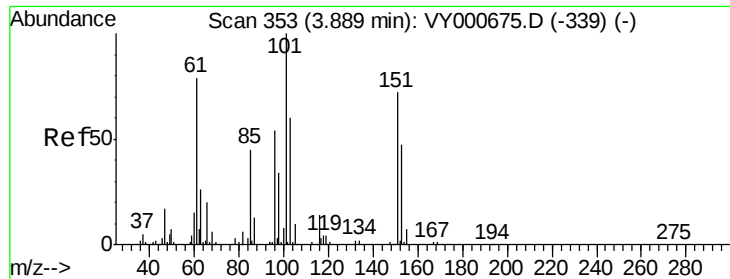
Tgt Ion: 101 Resp: 6945

Ion Ratio Lower Upper

101 100

103 68.0 52.5 78.7





#10

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

Concen: 2.558 ug/L m

RT: 3.90 min Scan# 354

Delta R.T. 0.01 min

Lab File: VY000682.D

Acq: 14 Nov 2019 19:42

Instrument :

MSVOA_Y

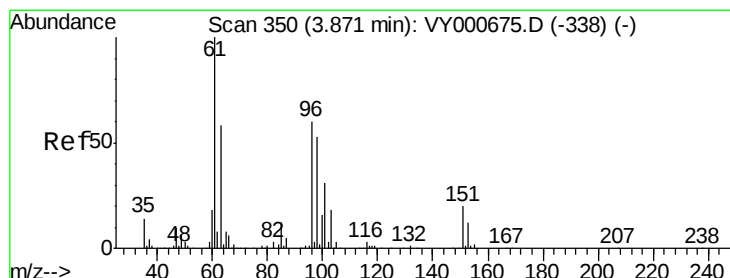
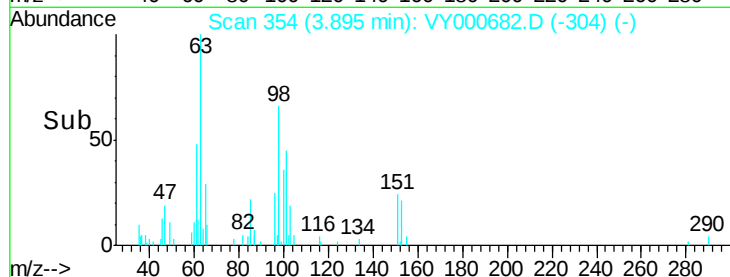
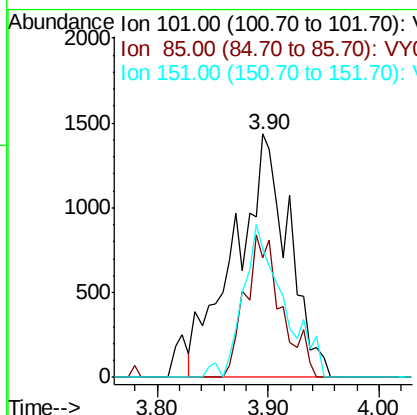
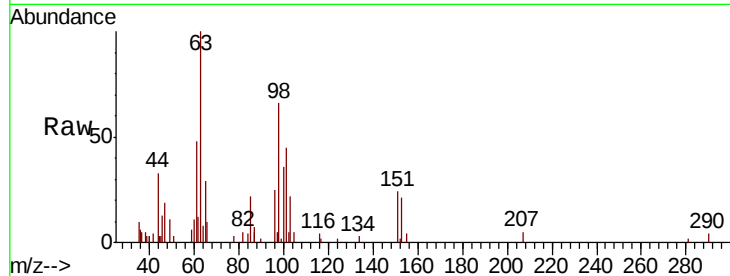
ClientSampleId :

MDL3

Tot Ion	Ratio	Lower	Upper
101	100		
85	36.4	35.3	52.9
151	40.9	57.7	86.5#

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 3.143 ug/L m

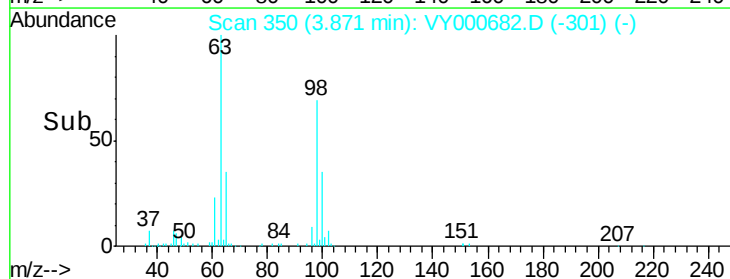
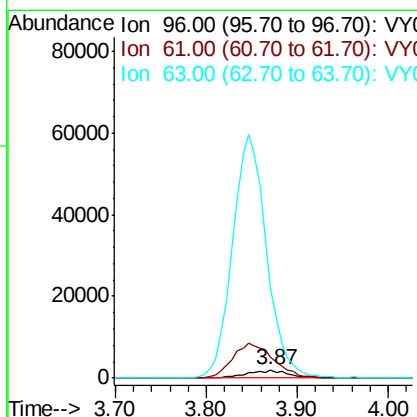
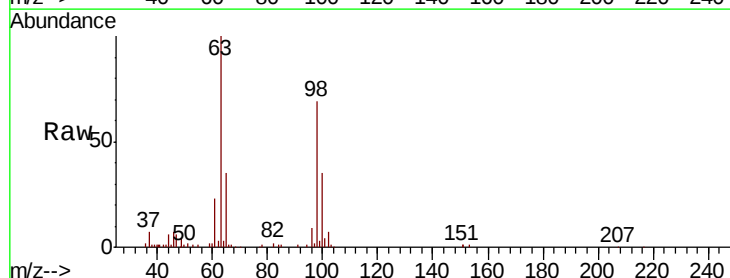
RT: 3.87 min Scan# 350

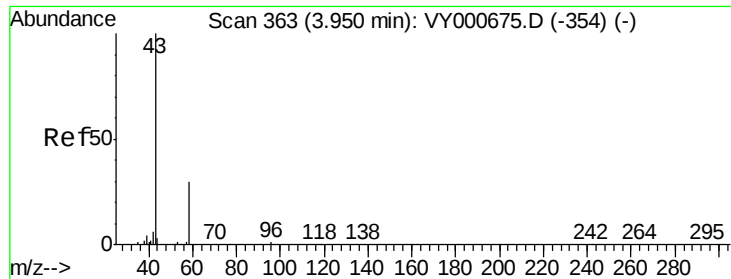
Delta R.T. -0.00 min

Lab File: VY000682.D

Acq: 14 Nov 2019 19:42

Tgt Ion	Ratio	Lower	Upper
96	100		
61	258.7	117.5	218.3#
63	1107.6	70.1	130.3#





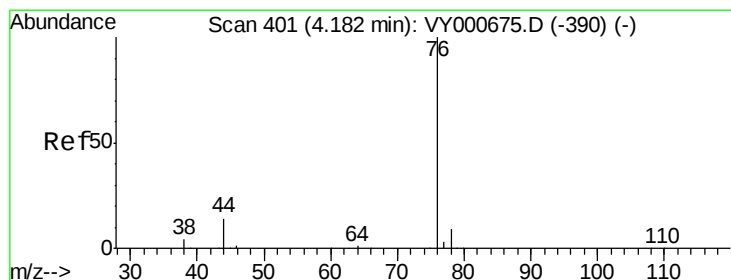
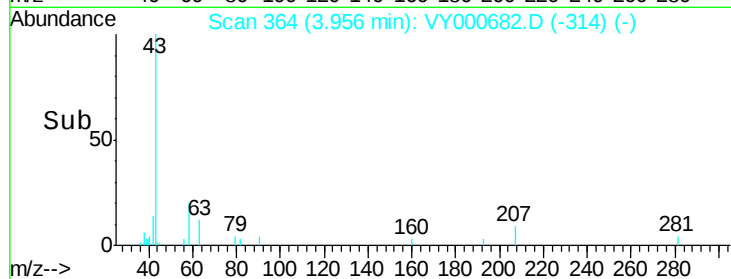
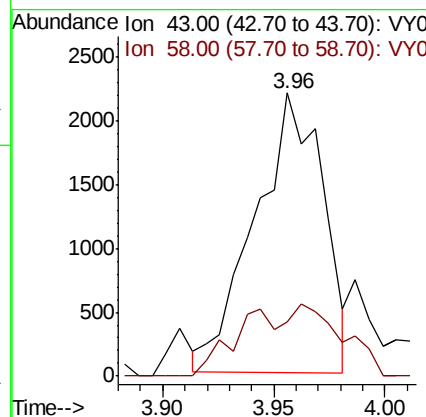
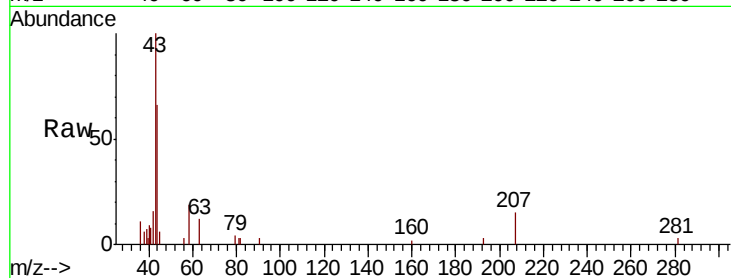
#13
Acetone
Concen: 6.937 ug/L
RT: 3.96 min Scan# 364
Delta R.T. 0.01 min
Lab File: VY000682.D
Acq: 14 Nov 2019 19:42

Instrument :
MSVOA_Y
ClientSampleId :
MDL3

Tot Ion: 43 Resp: 4673
Ion Ratio Lower Upper
43 100
58 21.3 0.0 62.2

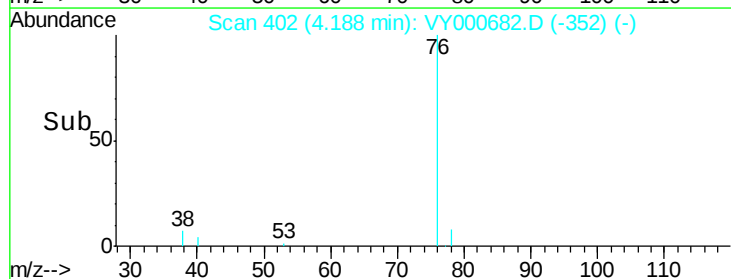
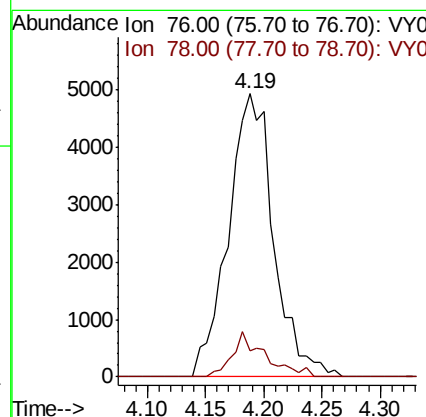
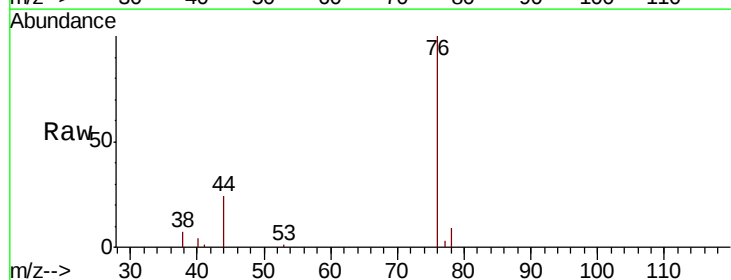
Manual Integrations
APPROVED

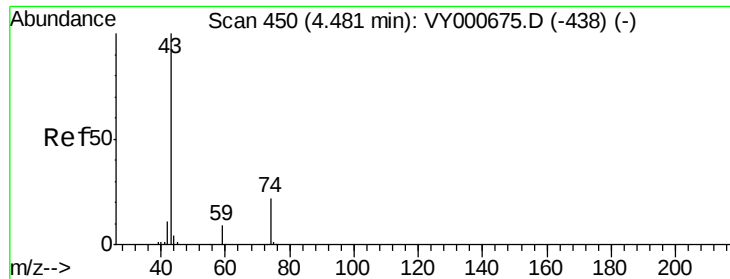
MMDadoda
11/15/2019 3:05:05 PM



#14
Carbon disulfide
Concen: 2.562 ug/L
RT: 4.19 min Scan# 402
Delta R.T. 0.01 min
Lab File: VY000682.D
Acq: 14 Nov 2019 19:42

Tgt Ion: 76 Resp: 13394
Ion Ratio Lower Upper
76 100
78 9.2 7.0 10.6





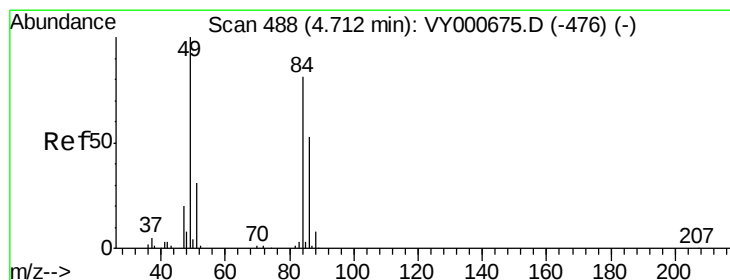
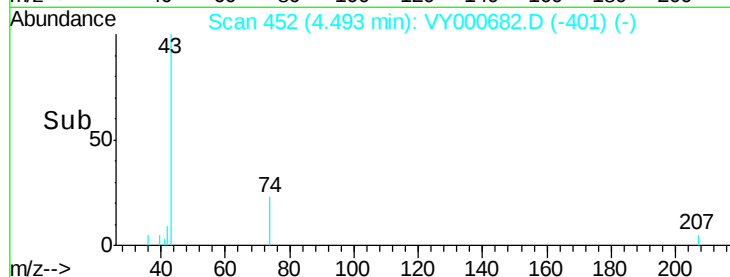
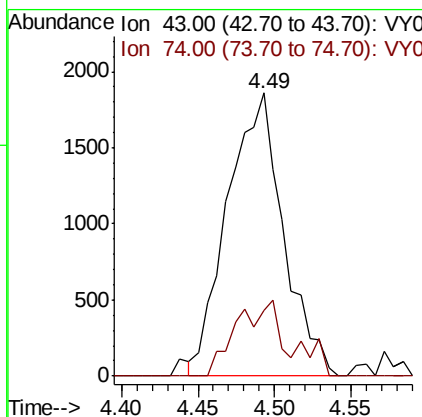
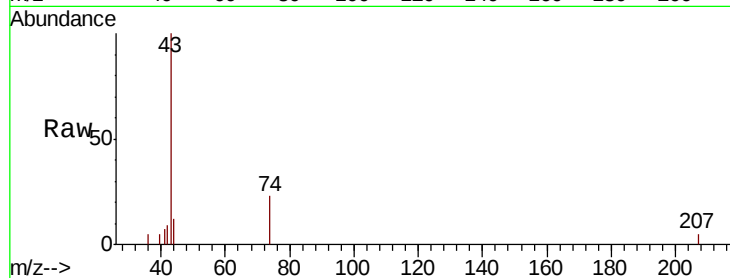
#15
Methyl Acetate
Concen: 2.792 ug/L
RT: 4.49 min Scan# 452
Delta R.T. 0.01 min
Lab File: VY000682.D
Acq: 14 Nov 2019 19:42

Instrument :
MSVOA_Y
ClientSampled :
MDL3

Tot Ion: 43 Resp: 4727
Ion Ratio Lower Upper
43 100
74 9.6 19.1 28.7#

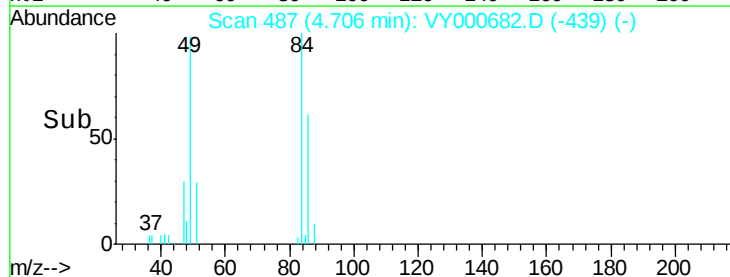
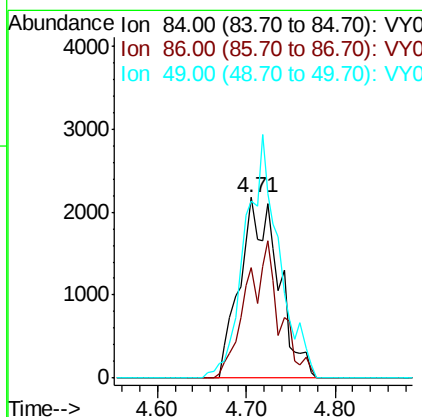
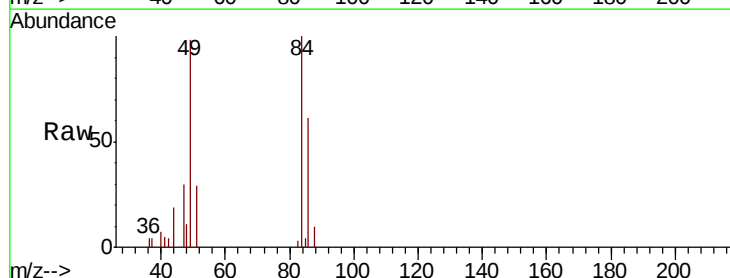
Manual Integrations
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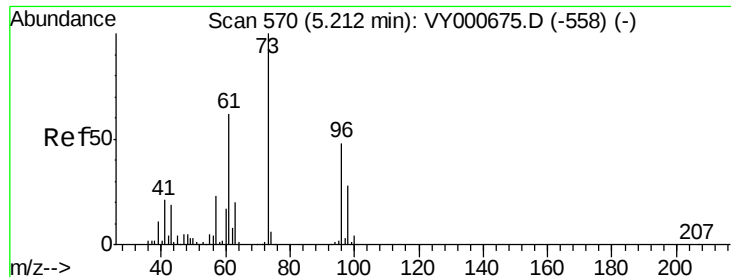
MMDadoda
11/15/2019 3:05:05 PM



#16
Methylene chloride
Concen: 3.208 ug/L m
RT: 4.71 min Scan# 487
Delta R.T. -0.01 min
Lab File: VY000682.D
Acq: 14 Nov 2019 19:42

Tgt Ion: 84 Resp: 6501
Ion Ratio Lower Upper
84 100
86 61.1 45.9 85.3
49 97.8 86.1 159.9





#17

trans-1,2-Dichloroethene

Concen: 2.675 ug/L

RT: 5.22 min Scan# 572

Delta R.T. 0.01 min

Lab File: VY000682.D

Acq: 14 Nov 2019 19:42

Instrument :

MSVOA_Y

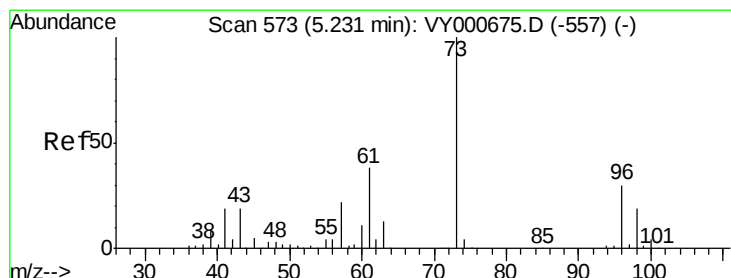
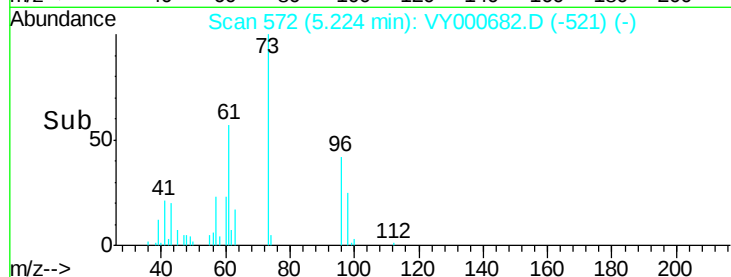
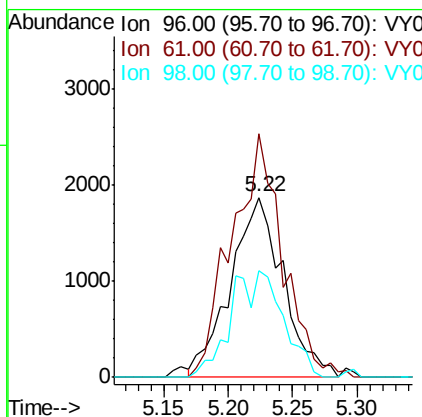
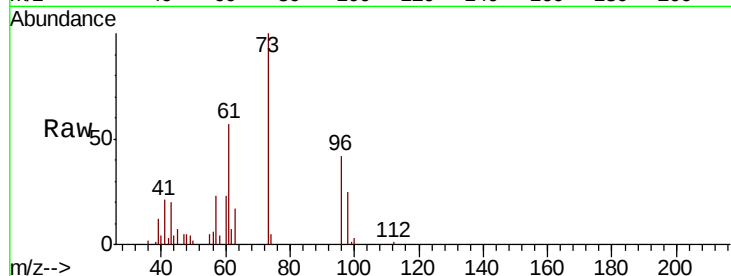
ClientSampled :

MDL3

Tot Ion:	96	Resp:	5294
Ion	Ratio	Lower	Upper
96	100		
61	135.2	90.8	168.6
98	59.5	41.0	76.2

Manual Integrations
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#18

Methyl tert-butyl Ether

Concen: 2.799 ug/L

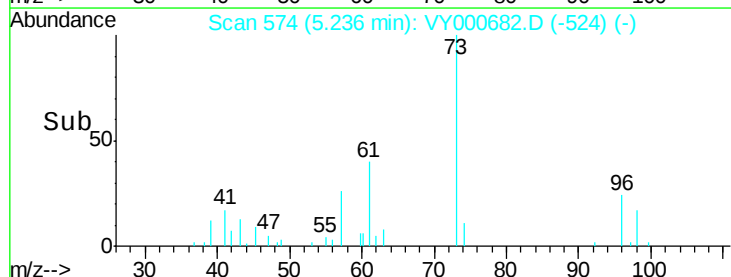
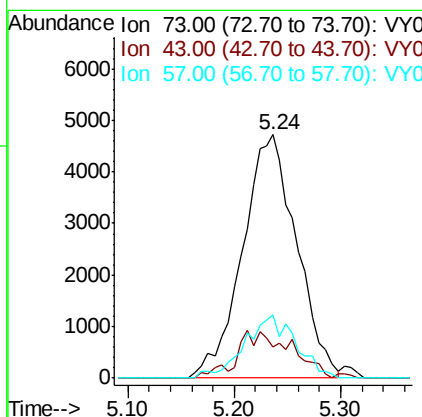
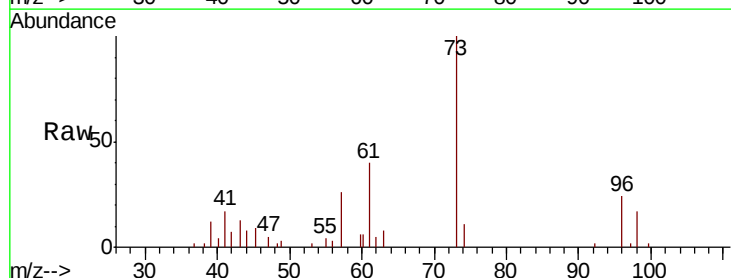
RT: 5.24 min Scan# 574

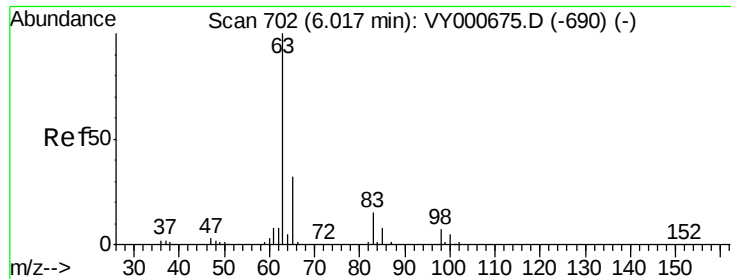
Delta R.T. 0.01 min

Lab File: VY000682.D

Acq: 14 Nov 2019 19:42

Tgt Ion:	73	Resp:	16679
Ion	Ratio	Lower	Upper
73	100		
43	7.7	15.5	23.3#
57	13.4	17.7	26.5#





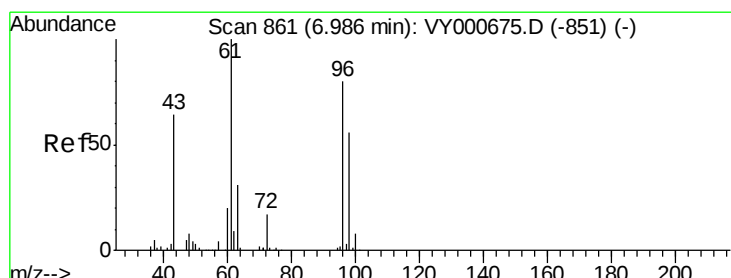
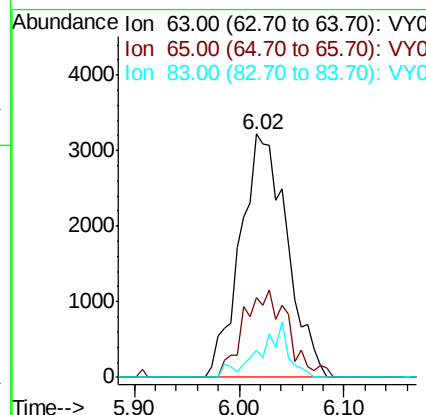
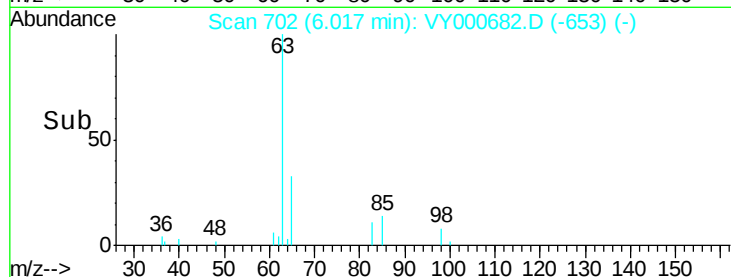
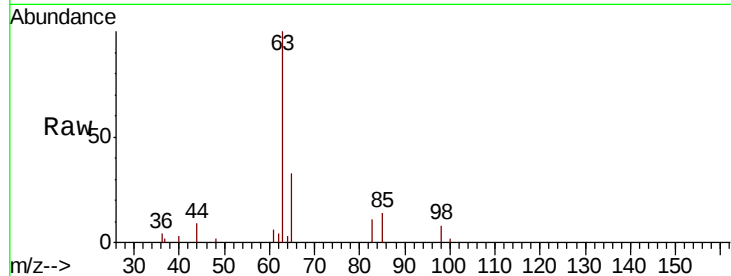
#19
 1,1-Dichloroethane
 Concen: 2.789 ug/L m
 RT: 6.02 min Scan# 702
 Delta R.T. -0.00 min
 Lab File: VY000682.D
 Acq: 14 Nov 2019 19:42

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL3

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.7	22.7	42.1
83	11.2	10.5	19.5

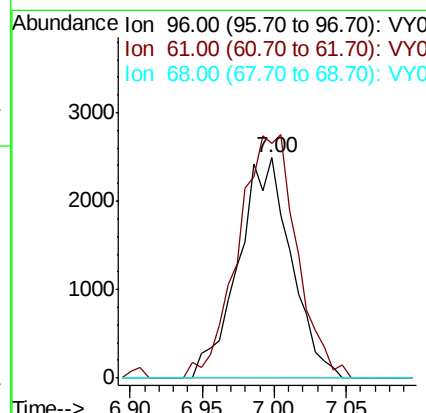
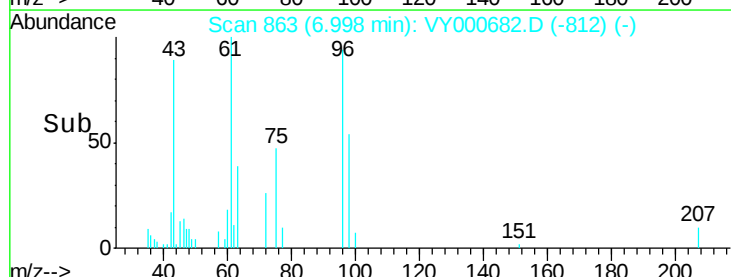
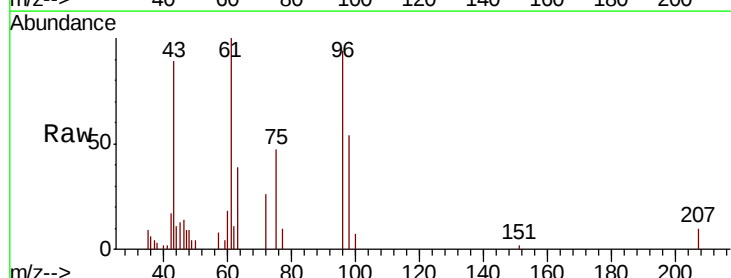
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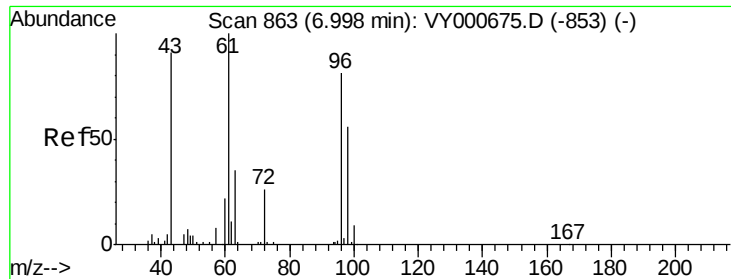
MMDadoda
 11/15/2019 3:05:05 PM



#20
 cis-1,2-Dichloroethene
 Concen: 2.862 ug/L
 RT: 7.00 min Scan# 863
 Delta R.T. 0.01 min
 Lab File: VY000682.D
 Acq: 14 Nov 2019 19:42

Tgt Ion	Ratio	Lower	Upper
96	100		
61	106.7	87.2	162.0
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 5.975 ug/L

RT: 7.01 min Scan# 865

Delta R.T. 0.01 min

Lab File: VY000682.D

Acq: 14 Nov 2019 19:42

Instrument :

MSVOA_Y

ClientSampleId :

MDL3

Tot Ion: 43 Resp: 6334

Ion Ratio Lower Upper

43 100

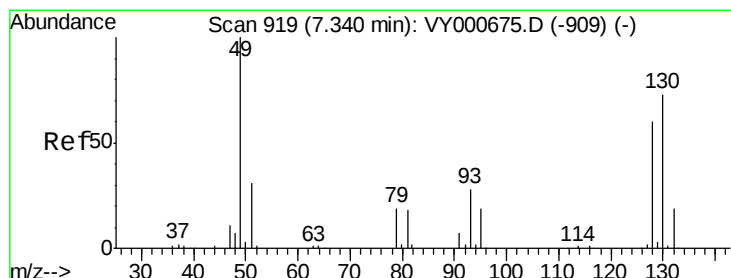
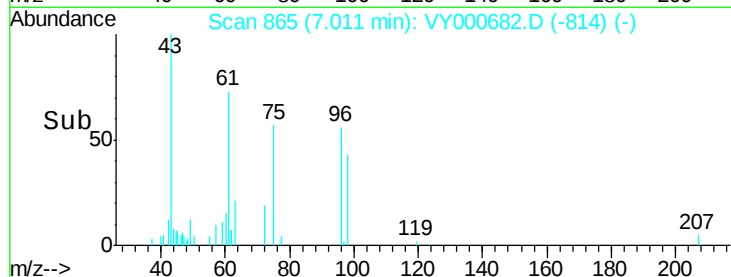
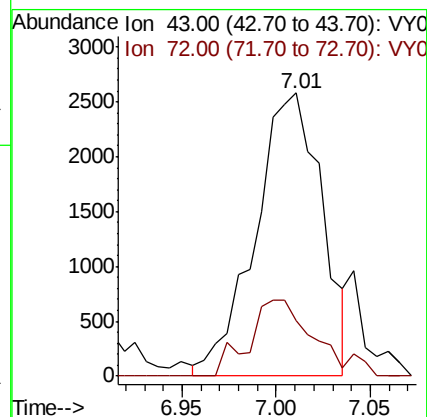
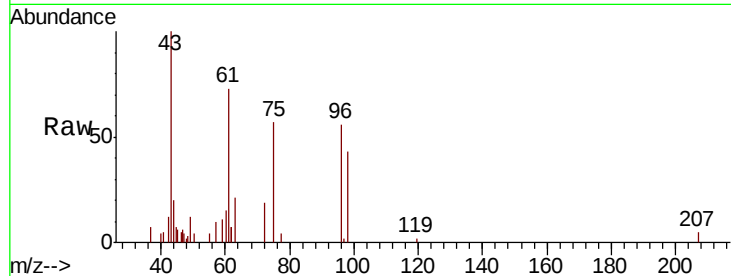
72 21.8 13.7 41.1

Manual Integrations

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#23

Bromochloromethane

Concen: 2.803 ug/L

RT: 7.35 min Scan# 920

Delta R.T. 0.01 min

Lab File: VY000682.D

Acq: 14 Nov 2019 19:42

Tgt Ion: 128 Resp: 2867

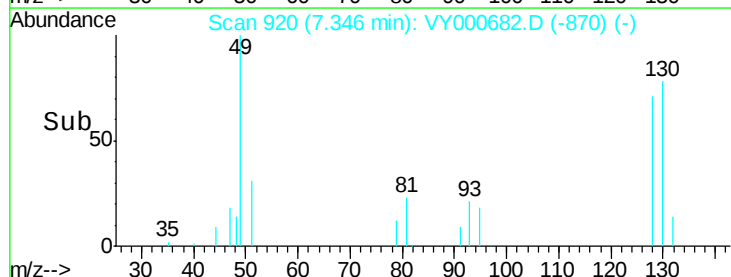
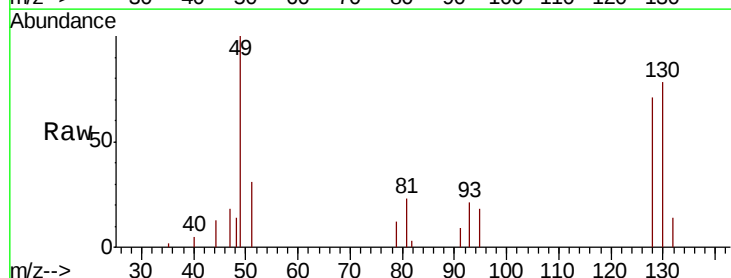
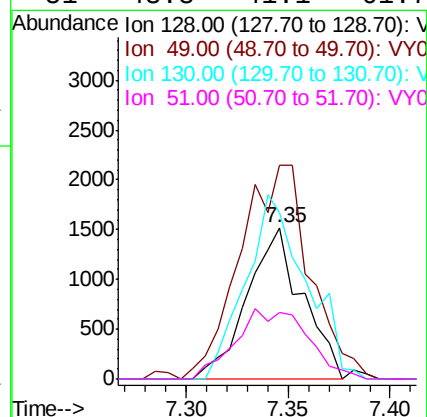
Ion Ratio Lower Upper

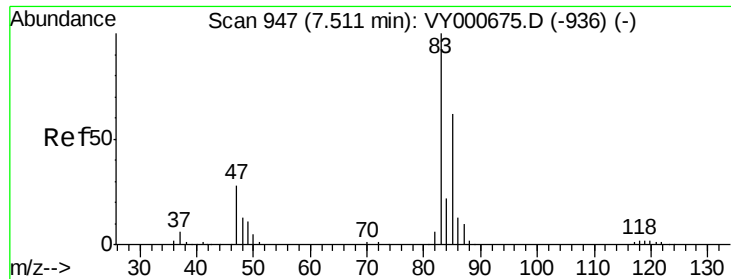
128 100

49 141.0 116.6 216.5

130 109.7 85.4 158.6

51 43.8 41.1 61.7





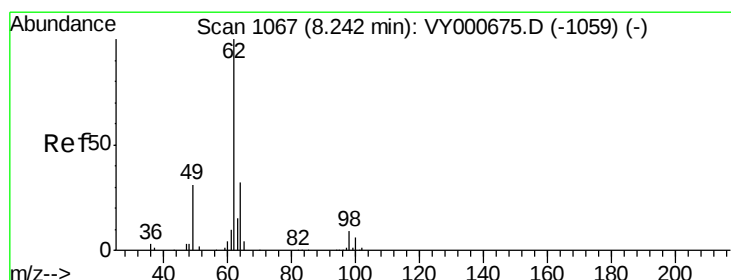
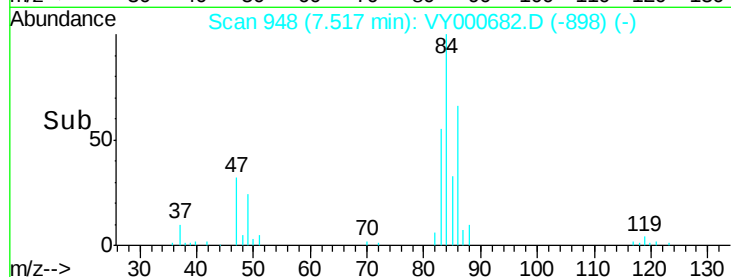
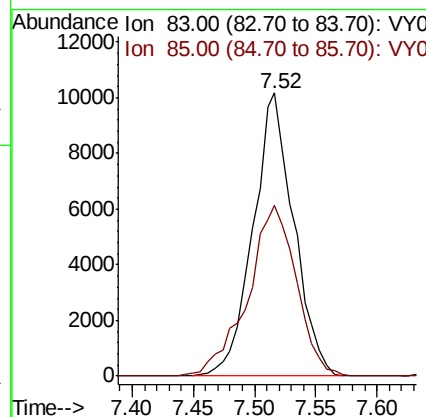
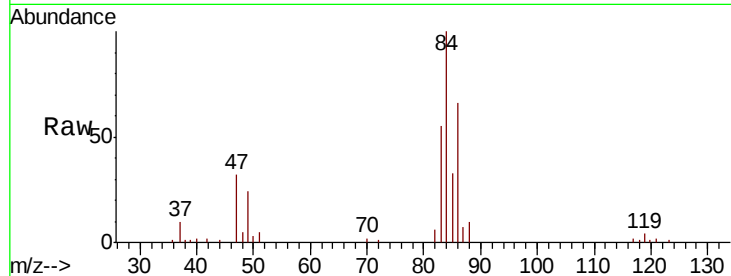
#25
Chloroform
Concen: 5.782 ug/L
RT: 7.52 min Scan# 948
Delta R.T. 0.01 min
Lab File: VY000682.D
Acq: 14 Nov 2019 19:42

Instrument :
MSVOA_Y
ClientSampled :
MDL3

Tot Ion: 83 Resp: 2352
Ion Ratio Lower Upper
83 100
85 60.4 43.1 80.1

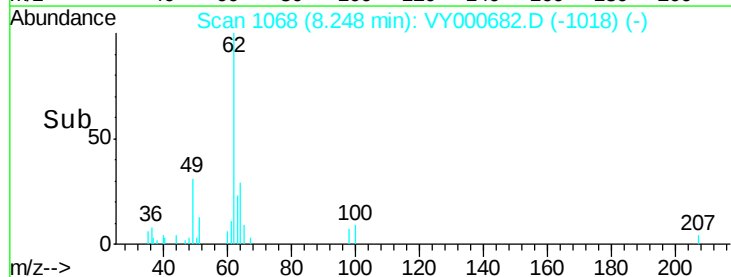
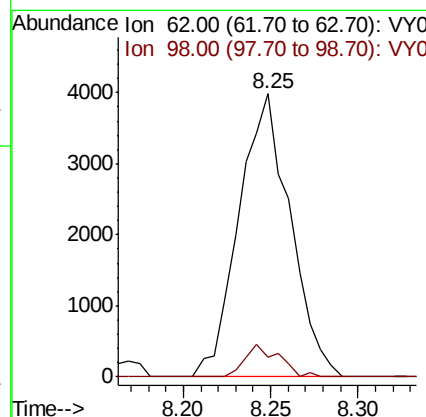
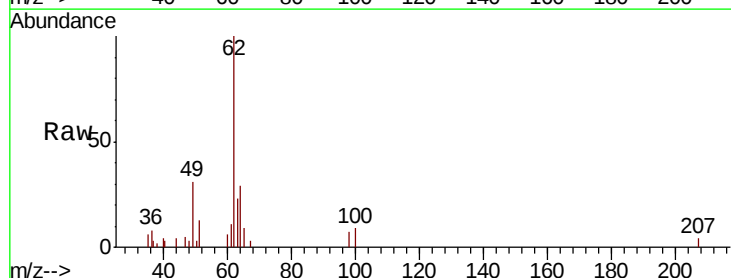
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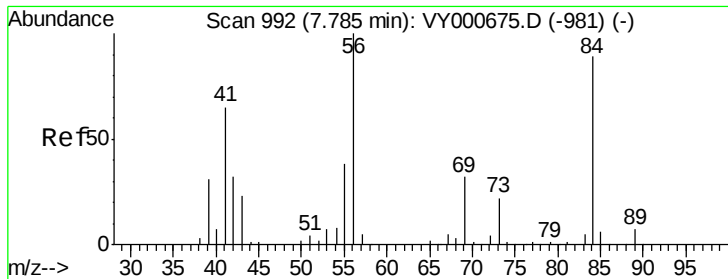
MMDadoda
11/15/2019 3:05:05 PM



#27
1,2-Dichloroethane
Concen: 2.920 ug/L
RT: 8.25 min Scan# 1068
Delta R.T. 0.01 min
Lab File: VY000682.D
Acq: 14 Nov 2019 19:42

Tgt Ion: 62 Resp: 8122
Ion Ratio Lower Upper
62 100
98 6.7 7.1 10.7#





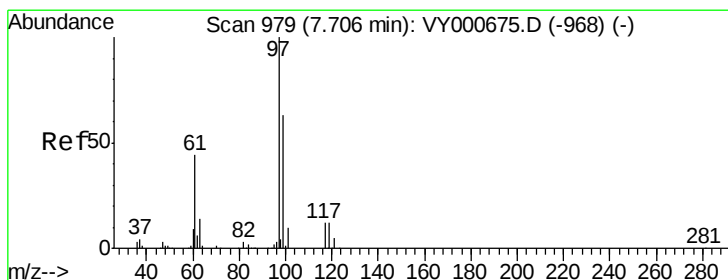
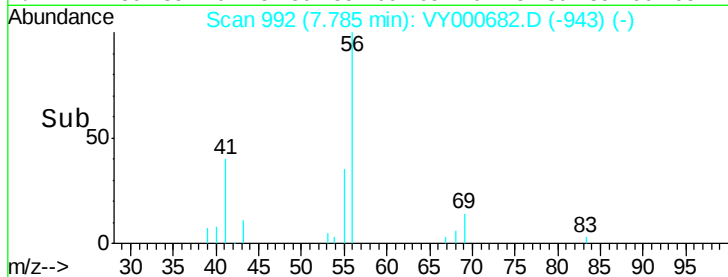
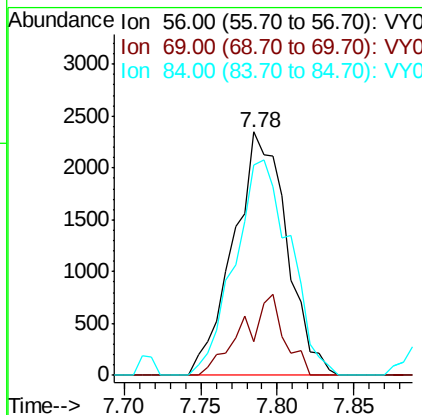
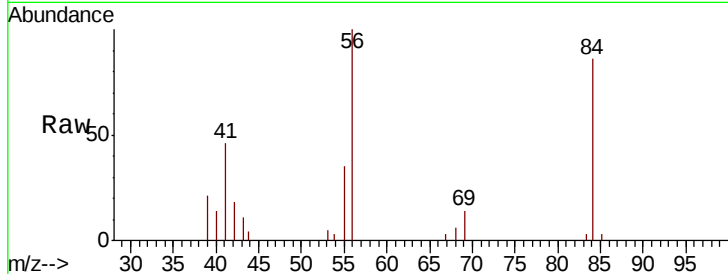
#29
Cyclohexane
Concen: 1.820 ug/L
RT: 7.78 min Scan# 992
Delta R.T. -0.00 min
Lab File: VY000682.D
Acq: 14 Nov 2019 19:42

Instrument :
MSVOA_Y
ClientSampleId :
MDL3

Tot Ion	Ratio	Lower	Upper
56	100		
69	11.4	24.4	36.6#
84	2.4	71.4	107.2#

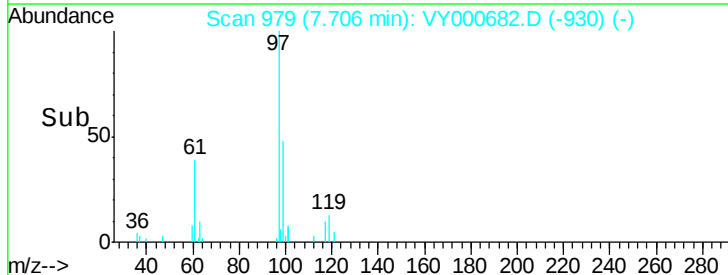
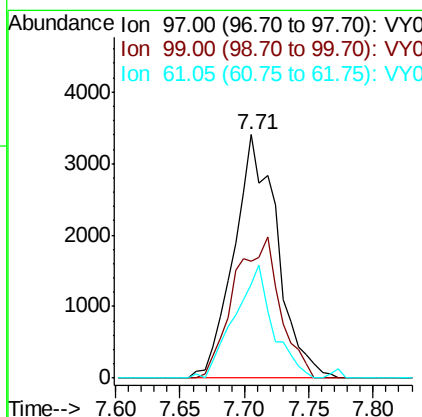
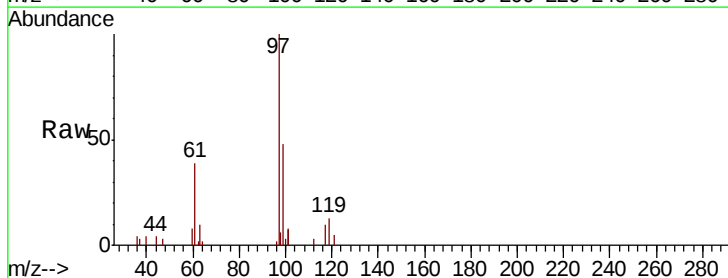
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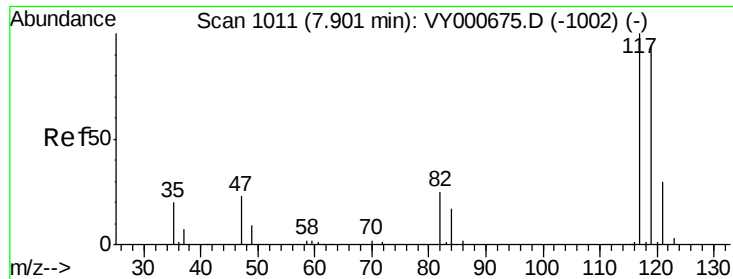
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#30
1,1,1-Trichloroethane
Concen: 2.725 ug/L
RT: 7.71 min Scan# 979
Delta R.T. -0.00 min
Lab File: VY000682.D
Acq: 14 Nov 2019 19:42

Tgt Ion	Ratio	Lower	Upper
97	100		
99	31.3	52.2	78.2#
61	40.8	35.0	52.4





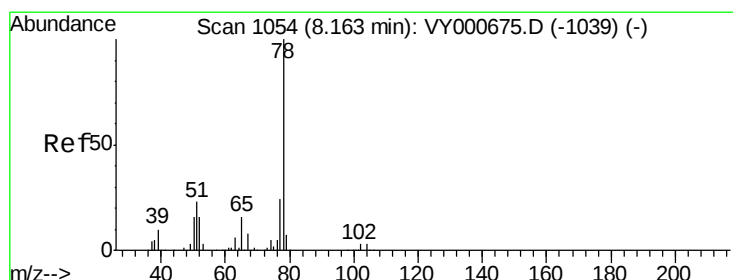
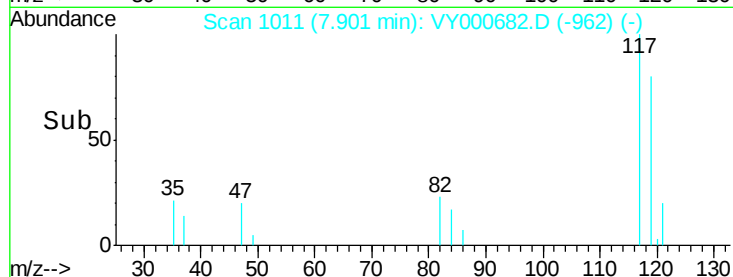
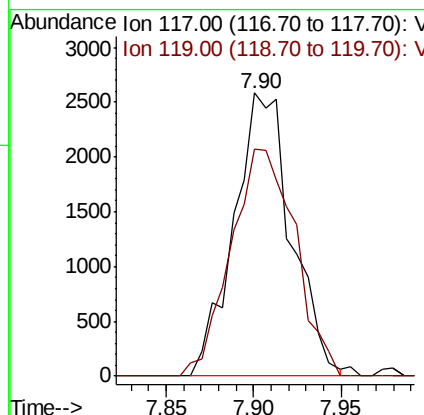
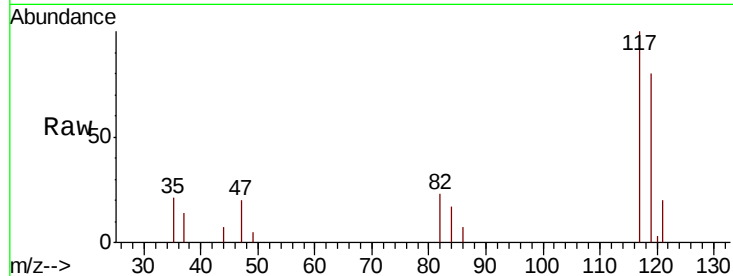
#31
Carbon tetrachloride
Concen: 2.274 ug/L
RT: 7.90 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VY000682.D
Acq: 14 Nov 2019 19:42

Instrument :
MSVOA_Y
ClientSampleId :
MDL3

Tot Ion:117 Resp: 5936
Ion Ratio Lower Upper
117 100
119 89.6 75.5 113.3

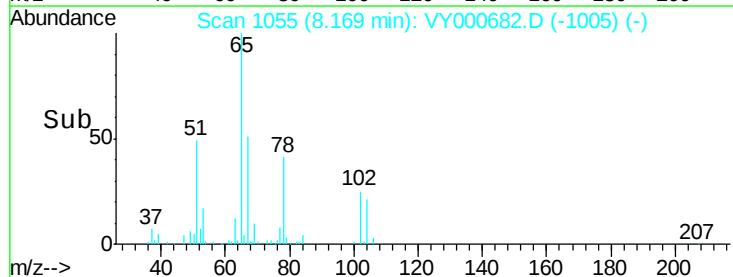
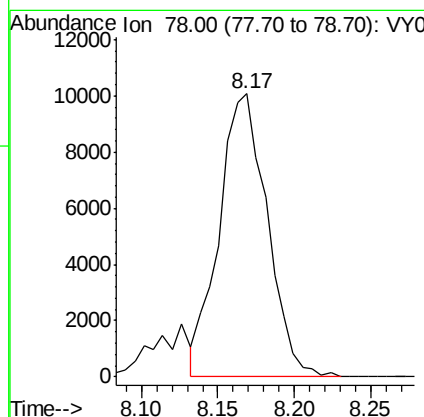
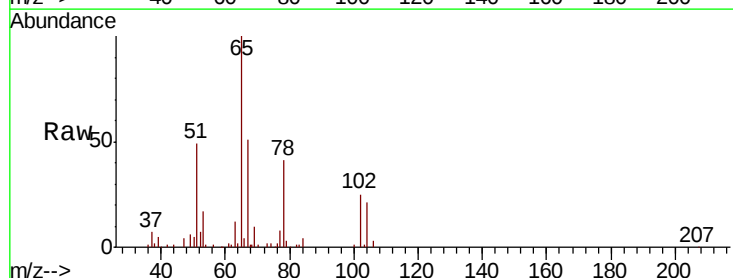
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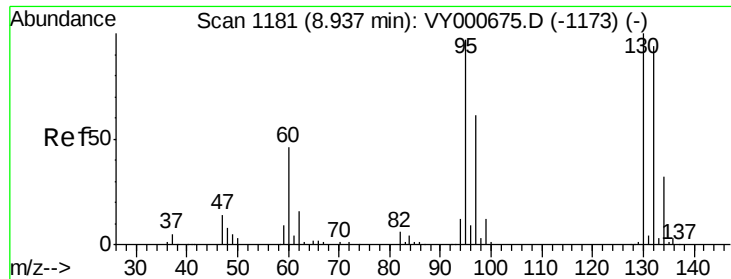
MMDadoda
11/15/2019 3:05:05 PM



#33
Benzene
Concen: 2.766 ug/L
RT: 8.17 min Scan# 1055
Delta R.T. 0.01 min
Lab File: VY000682.D
Acq: 14 Nov 2019 19:42

Tgt Ion: 78 Resp: 21987





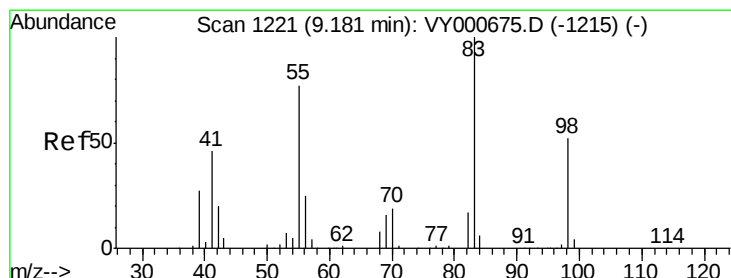
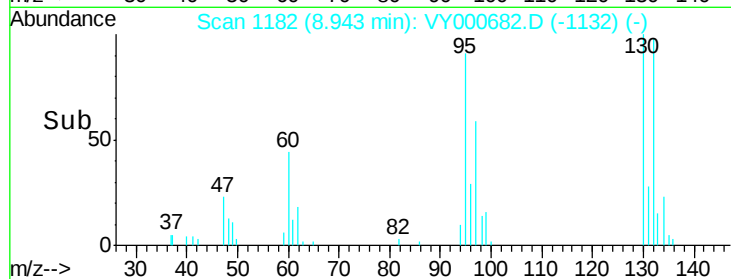
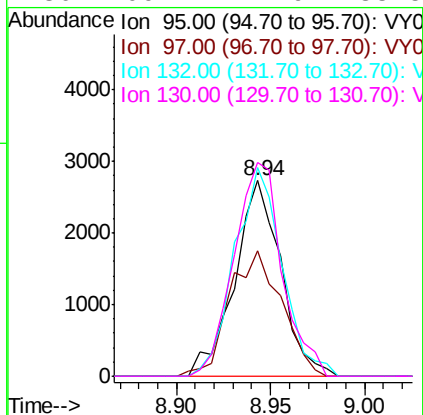
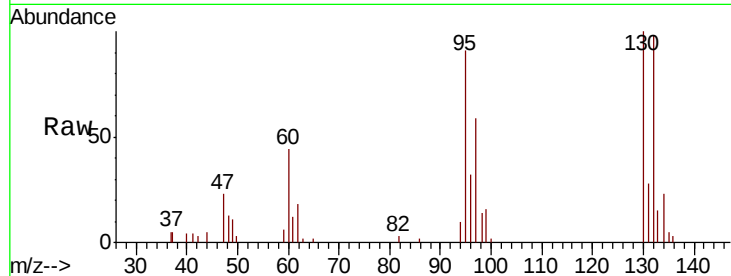
#34
 Trichloroethene
 Concen: 2.332 ug/L
 RT: 8.94 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: VY000682.D
 Acq: 14 Nov 2019 19:42

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL3

Tot Ion	Ion	Ratio	Resp	Lower	Upper
95	100		4655		
97	64.0	43.8	81.3		
132	107.2	67.8	126.0		
130	109.4	71.9	133.5		

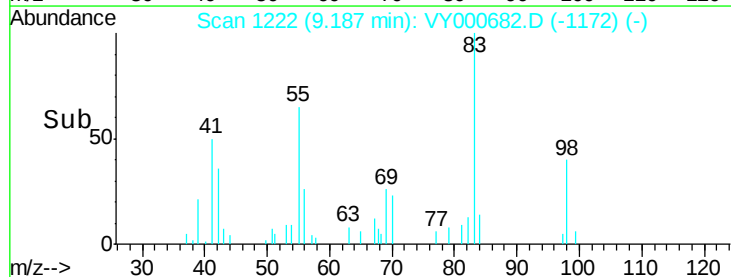
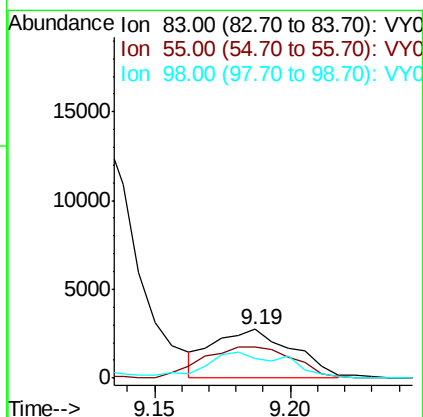
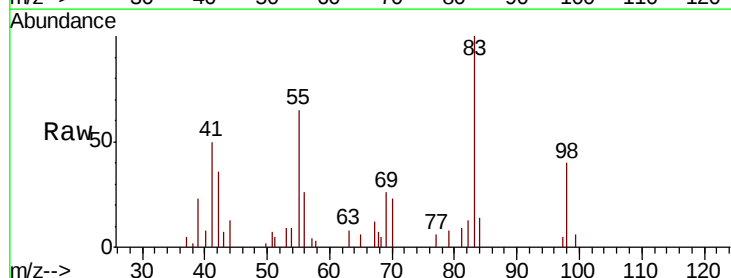
Manual Integrations
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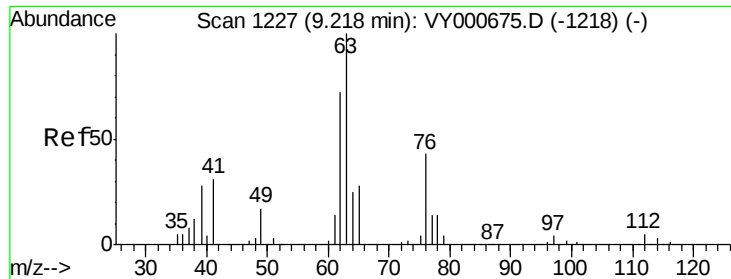
MMDadoda
 11/15/2019 3:05:05 PM



#35
 Methylcyclohexane
 Concen: 1.694 ug/L
 RT: 9.19 min Scan# 1222
 Delta R.T. 0.01 min
 Lab File: VY000682.D
 Acq: 14 Nov 2019 19:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		5582		
55	73.7	60.4	90.6		
98	40.2	40.3	60.5		





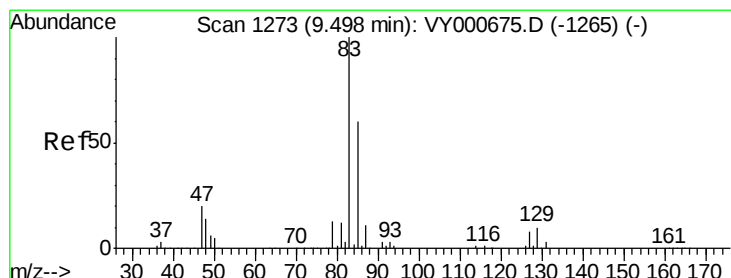
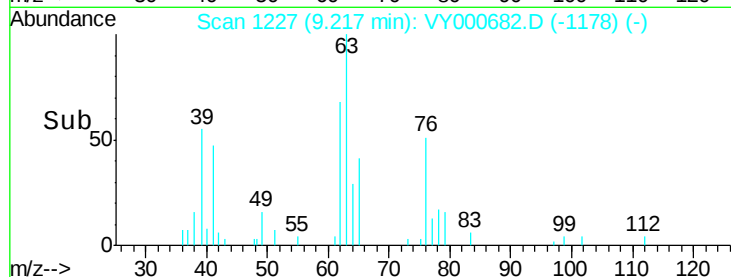
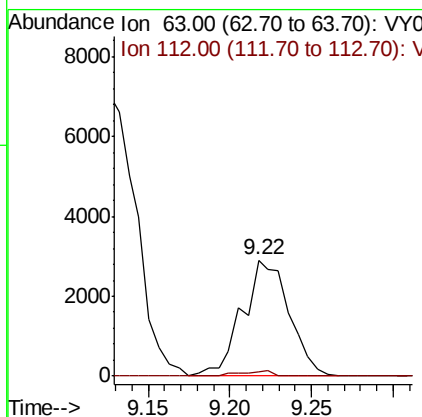
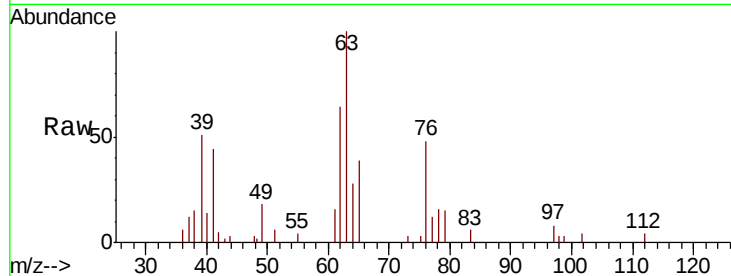
#37
 1,2-Dichloropropane
 Concen: 2.948 ug/L
 RT: 9.22 min Scan# 1227
 Delta R.T. -0.00 min
 Lab File: VY000682.D
 Acq: 14 Nov 2019 19:42

Instrument :
 MSVOA_Y
 ClientSampled :
 MDL3

Tot Ion: 63 Resp: 5814
 Ion Ratio Lower Upper
 63 100
 112 1.6 3.8 5.6#

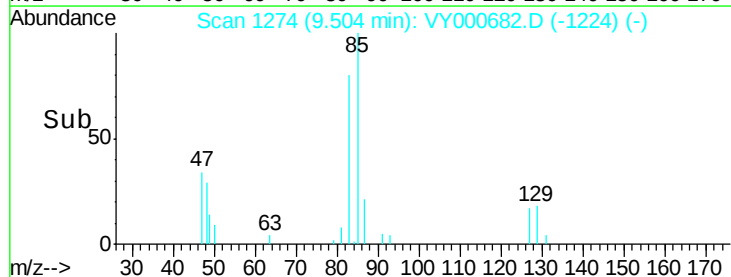
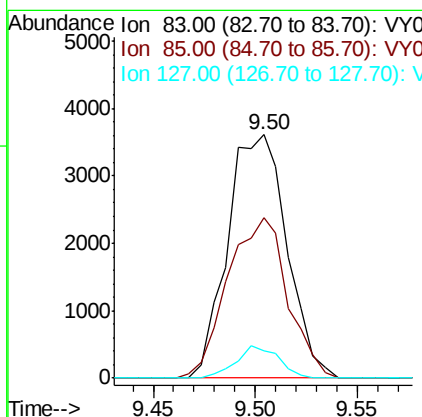
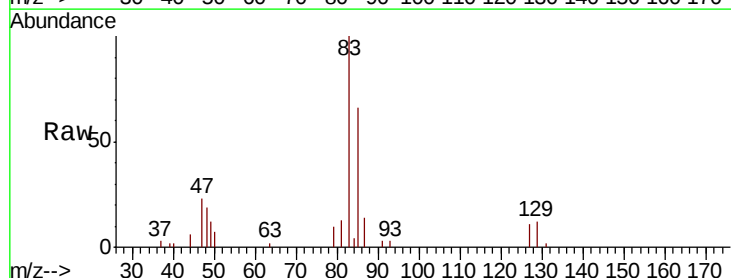
Manual Integrations
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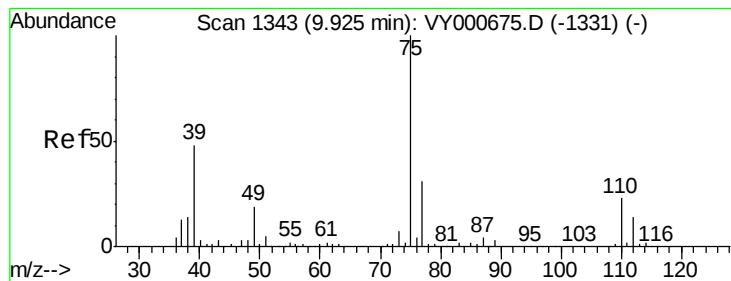
MMDadoda
 11/15/2019 3:05:05 PM



#38
 Bromodichloromethane
 Concen: 2.743 ug/L
 RT: 9.50 min Scan# 1274
 Delta R.T. 0.01 min
 Lab File: VY000682.D
 Acq: 14 Nov 2019 19:42

Tgt Ion: 83 Resp: 7266
 Ion Ratio Lower Upper
 83 100
 85 65.8 42.2 78.4
 127 11.1 6.4 9.6#





#39

cis-1,3-Dichloropropene

Concen: 2.922 ug/L

RT: 9.93 min Scan# 1344

Delta R.T. 0.01 min

Lab File: VY000682.D

Acq: 14 Nov 2019 19:42

Instrument :

MSVOA_Y

ClientSampleId :

MDL3

Tot Ion: 75 Resp: 9791

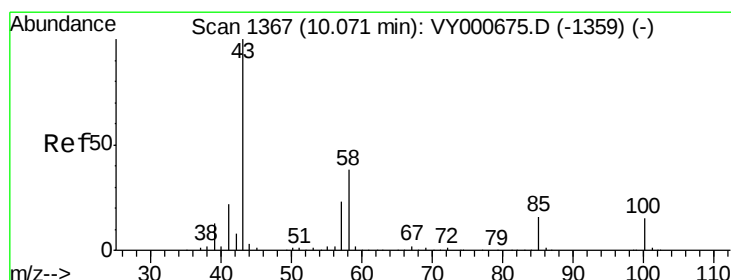
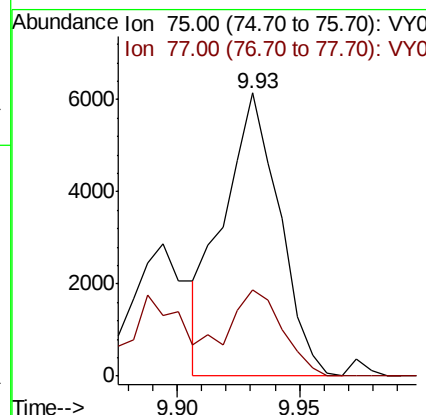
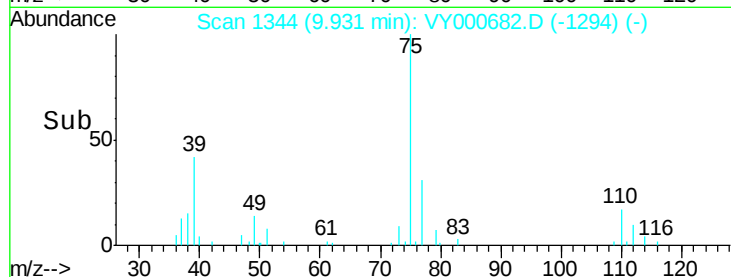
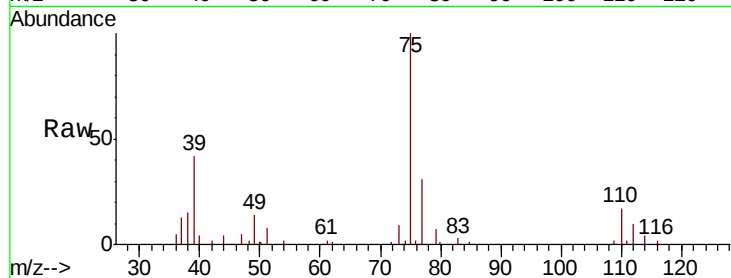
Ion Ratio Lower Upper

75 100

77 30.5 21.7 40.3

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#40

4-Methyl-2-pentanone

Concen: 5.454 ug/L

RT: 10.08 min Scan# 1368

Delta R.T. 0.01 min

Lab File: VY000682.D

Acq: 14 Nov 2019 19:42

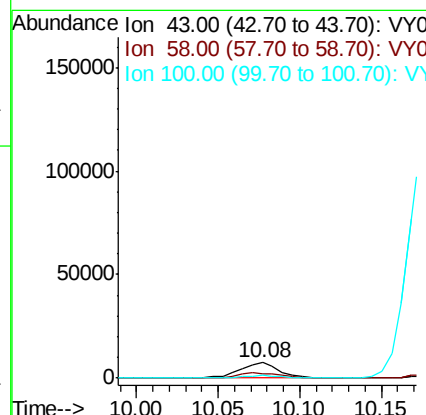
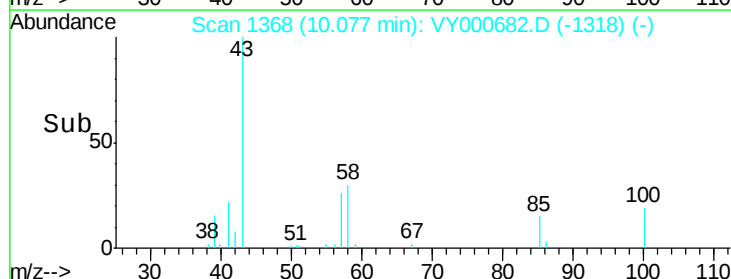
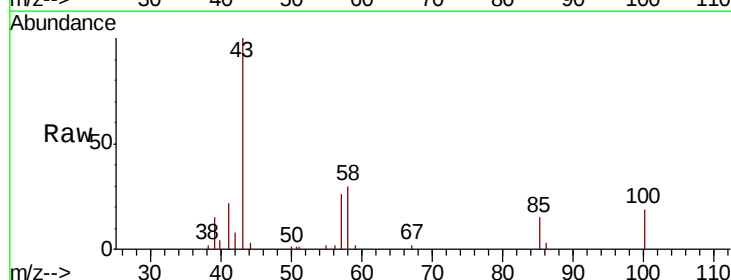
Tgt Ion: 43 Resp: 12337

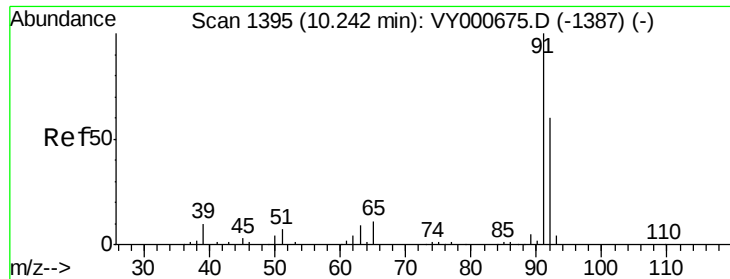
Ion Ratio Lower Upper

43 100

58 38.1 30.2 45.2

100 15.6 12.2 18.2





#42

Toluene

Concen: 2.518 ug/L

RT: 10.25 min Scan# 1396

Delta R.T. 0.01 min

Lab File: VY000682.D

Acq: 14 Nov 2019 19:42

Instrument :

MSVOA_Y

ClientSampleId :

MDL3

Tot Ion: 91 Resp: 21191

Ion Ratio Lower Upper

91 100

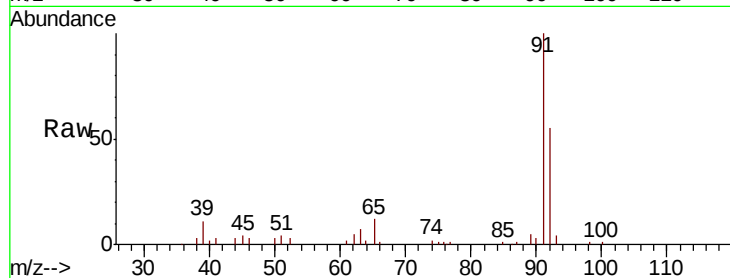
92 55.4 42.2 78.4

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 92.00 (91.70 to 92.70): VY0

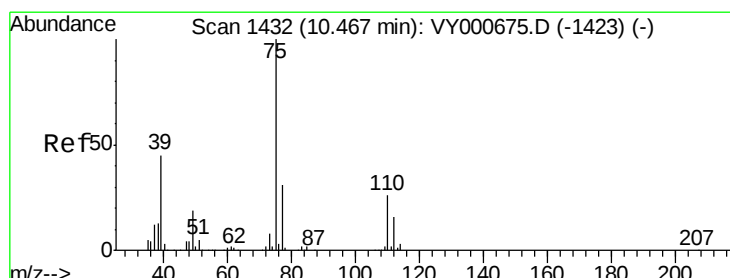
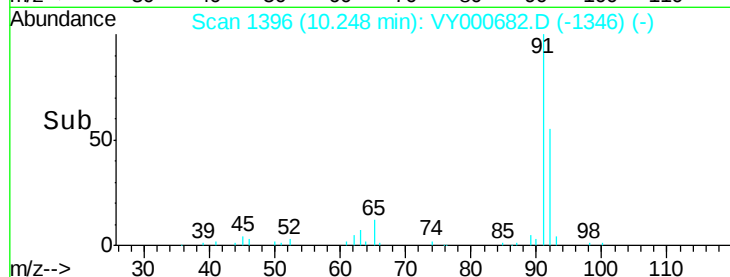
10.25

10000

5000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 2.986 ug/L

RT: 10.46 min Scan# 1431

Delta R.T. -0.01 min

Lab File: VY000682.D

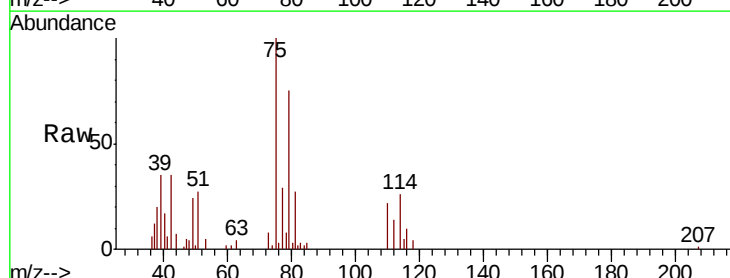
Acq: 14 Nov 2019 19:42

Tgt Ion: 75 Resp: 8760

Ion Ratio Lower Upper

75 100

77 29.2 22.0 41.0



Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 77.00 (76.70 to 77.70): VY0

10.46

6000

5000

4000

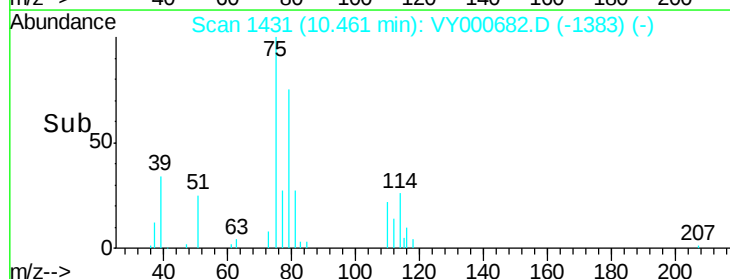
3000

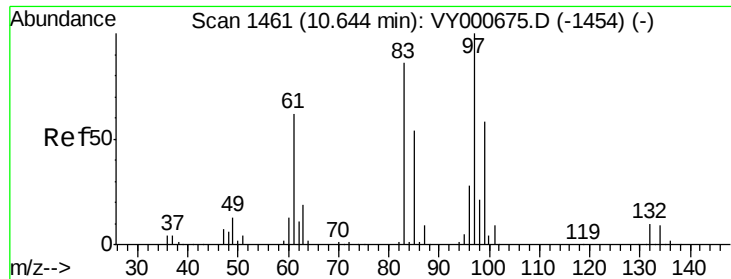
2000

1000

0

Time-->





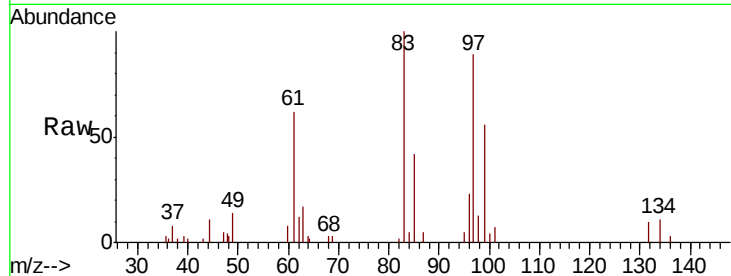
#45
1,1,2-Trichloroethane
Concen: 2.837 ug/L
RT: 10.64 min Scan# 1461
Delta R.T. -0.00 min
Lab File: VY000682.D
Acq: 14 Nov 2019 19:42

Instrument :
MSVOA_Y
ClientSampleId :
MDL3

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		5307		
99	62.6	40.6	75.4		
83	112.0	60.0	111.4		
85	47.5	37.9	70.5		

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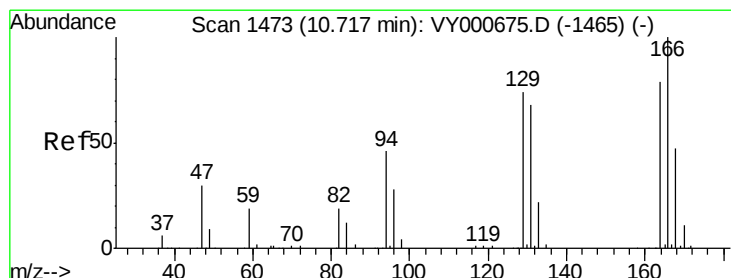
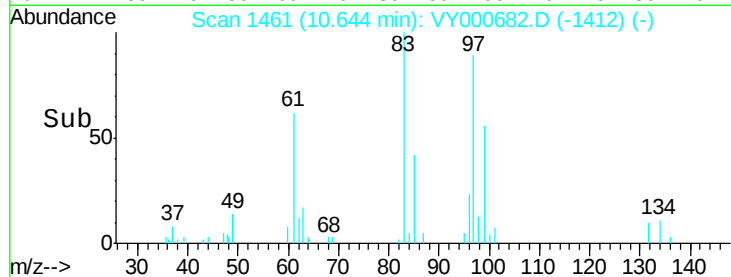
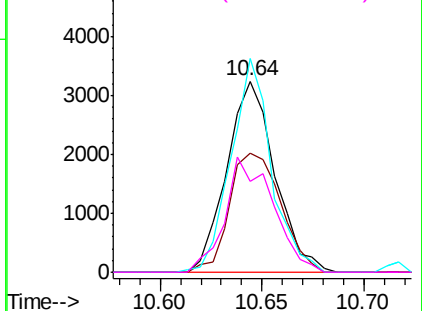
Abundance

Ion 97.00 (96.70 to 97.70): VY000682.D (-1412) (-)

Ion 99.00 (98.70 to 99.70): VY000682.D (-1412) (-)

Ion 83.00 (82.70 to 83.70): VY000682.D (-1412) (-)

Ion 85.00 (84.70 to 85.70): VY000682.D (-1412) (-)



#46
Tetrachloroethene
Concen: 2.029 ug/L
RT: 10.71 min Scan# 1472
Delta R.T. -0.01 min
Lab File: VY000682.D
Acq: 14 Nov 2019 19:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
164	100		3134		
129	93.1	65.5	121.7		
131	90.5	60.1	111.7		
166	110.8	88.1	163.7		

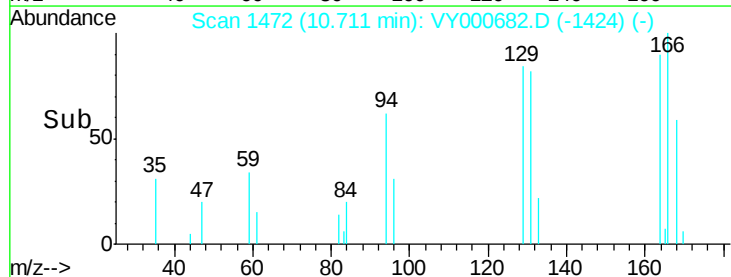
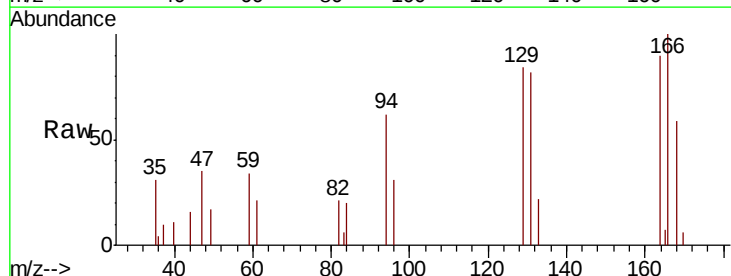
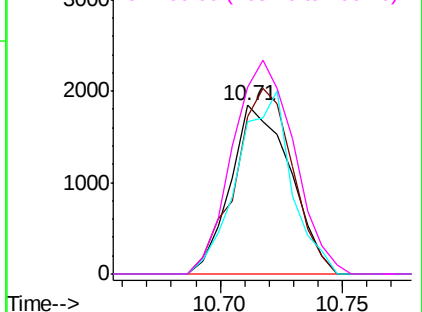
Abundance

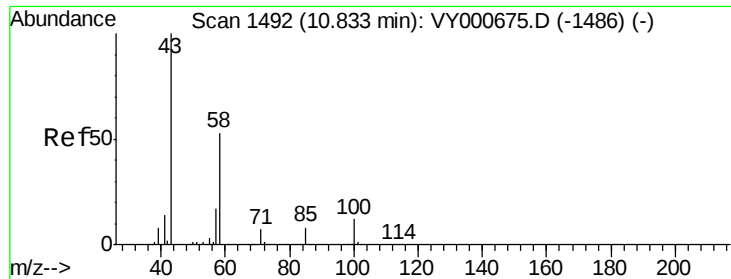
Ion 164.00 (163.70 to 164.70): VY000682.D (-1424) (-)

Ion 129.00 (128.70 to 129.70): VY000682.D (-1424) (-)

Ion 131.00 (130.70 to 131.70): VY000682.D (-1424) (-)

Ion 166.00 (165.70 to 166.70): VY000682.D (-1424) (-)





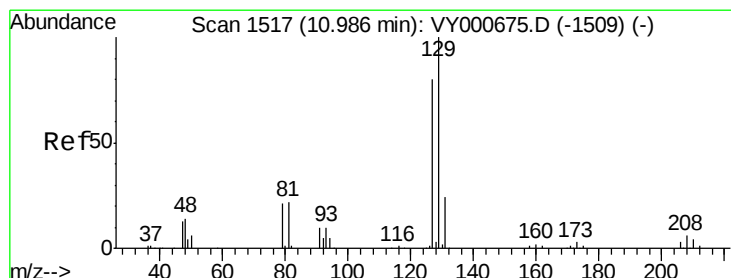
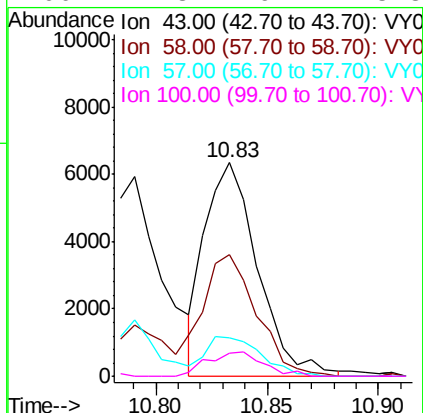
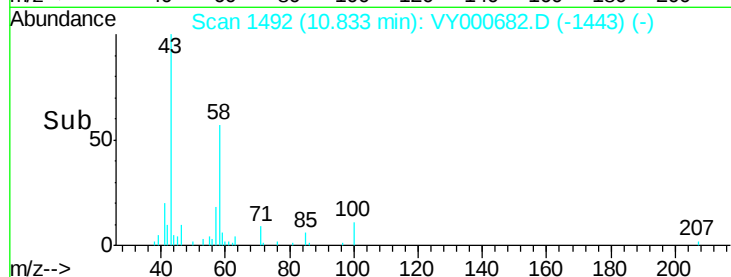
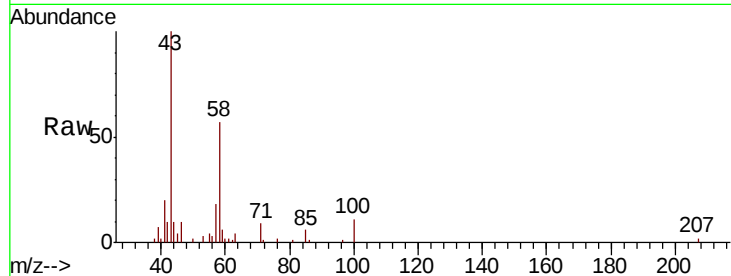
#48
2-Hexanone
Concen: 6.420 ug/L
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY000682.D
Acq: 14 Nov 2019 19:42

Instrument :
MSVOA_Y
ClientSampled :
MDL3

Tot Ion	Ratio	Lower	Upper
43	100		
58	59.2	42.3	63.5
57	19.6	13.8	20.6
100	12.3	9.2	13.8

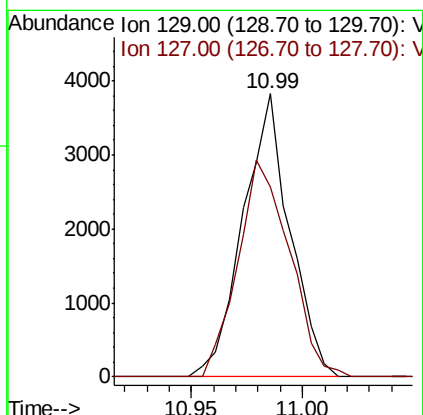
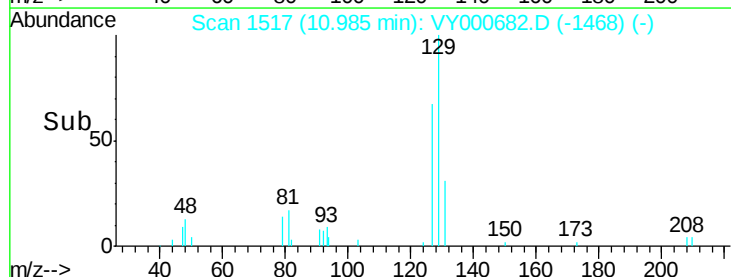
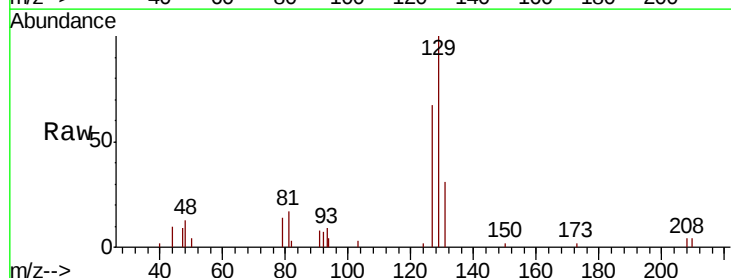
Manual Integrations
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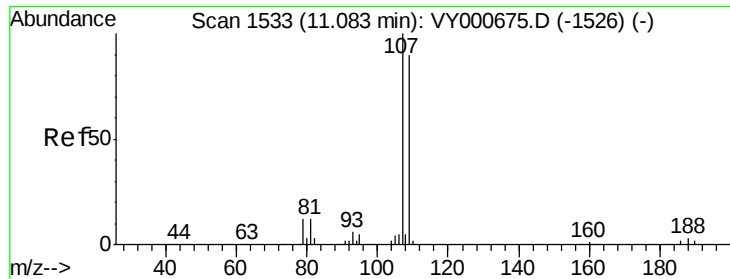
MMDadoda
11/15/2019 3:05:05 PM



#49
Dibromochloromethane
Concen: 2.763 ug/L
RT: 10.99 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY000682.D
Acq: 14 Nov 2019 19:42

Tgt Ion	Ratio	Lower	Upper
129	100		
127	67.0	55.9	103.7





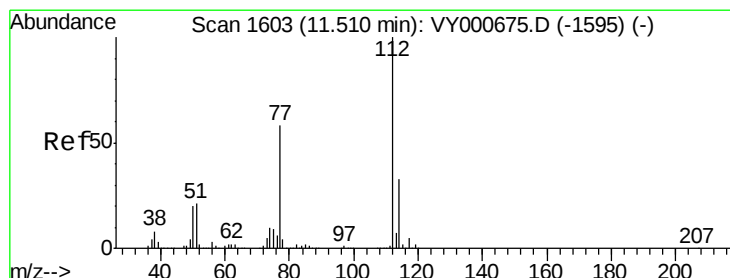
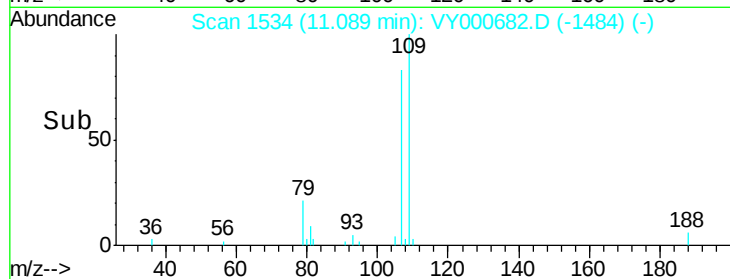
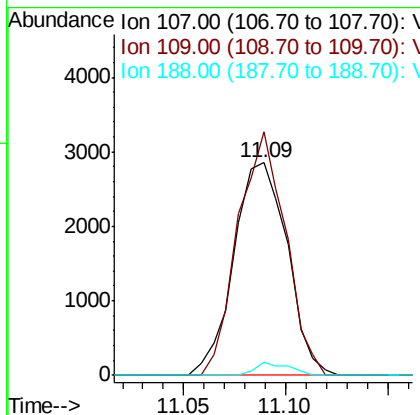
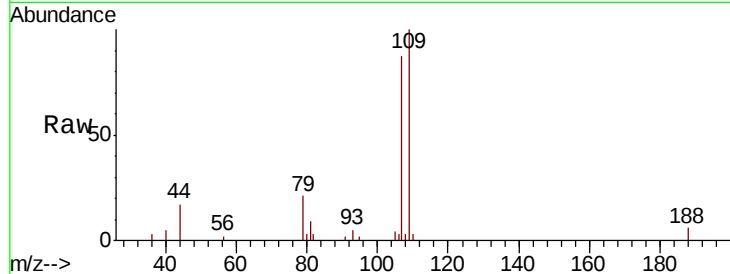
#50
1,2-Dibromoethane
Concen: 2.781 ug/L
RT: 11.09 min Scan# 1534
Delta R.T. 0.01 min
Lab File: VY000682.D
Acq: 14 Nov 2019 19:42

Instrument :
MSVOA_Y
ClientSampleId :
MDL3

Tot Ion	Ratio	Lower	Upper
107	100		
109	114.4	62.9	116.9
188	6.4	2.4	3.6

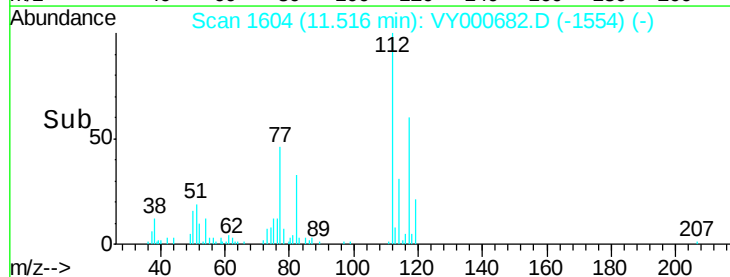
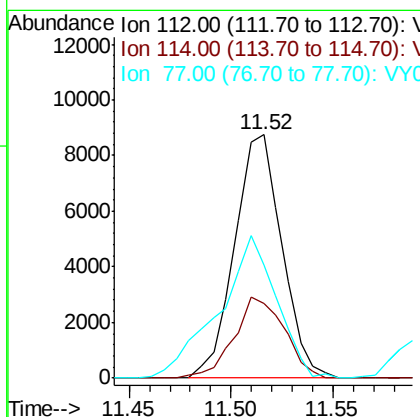
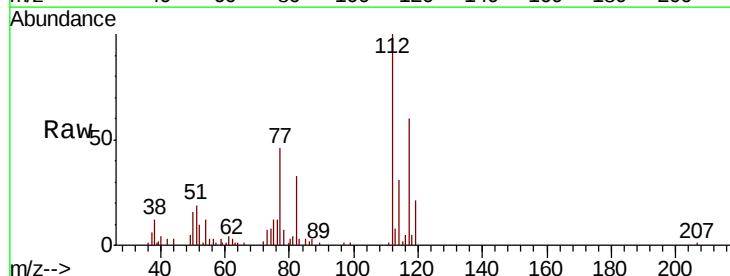
Manual Integrations
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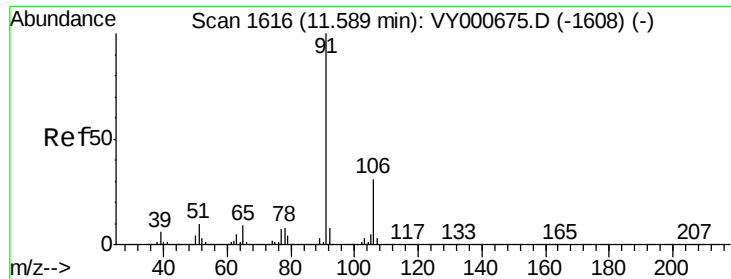
MMDadoda
11/15/2019 3:05:05 PM



#51
Chlorobenzene
Concen: 2.607 ug/L
RT: 11.52 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VY000682.D
Acq: 14 Nov 2019 19:42

Tgt Ion	Ratio	Lower	Upper
112	100		
114	30.8	23.3	43.3
77	46.4	46.5	69.7





#52

Ethylbenzene

Concen: 2.198 ug/L

RT: 11.60 min Scan# 1617

Delta R.T. 0.01 min

Lab File: VY000682.D

Acq: 14 Nov 2019 19:42

Instrument :

MSVOA_Y

ClientSampleID :

MDL3

Tot Ion: 91 Resp: 21110

Ion Ratio Lower Upper

91 100

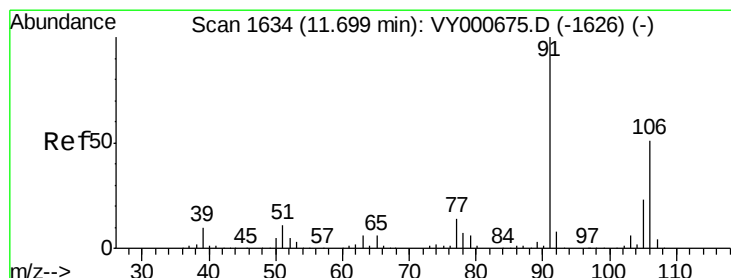
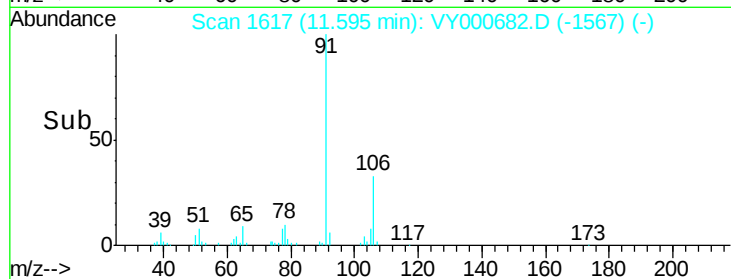
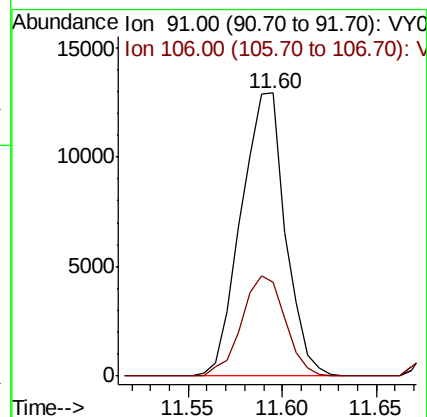
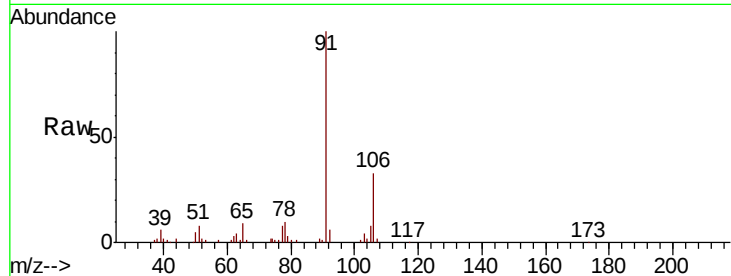
106 33.1 21.8 40.6

Manual Integrations

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#53

m,p-Xylene

Concen: 2.242 ug/L

RT: 11.70 min Scan# 1634

Delta R.T. -0.00 min

Lab File: VY000682.D

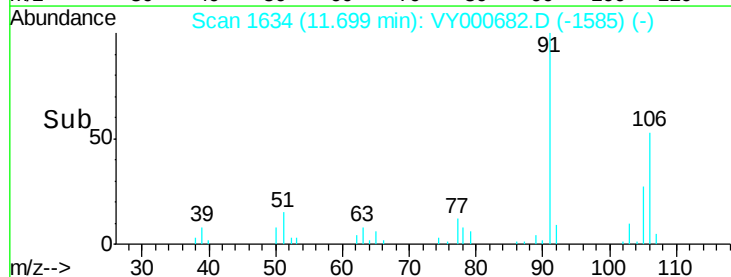
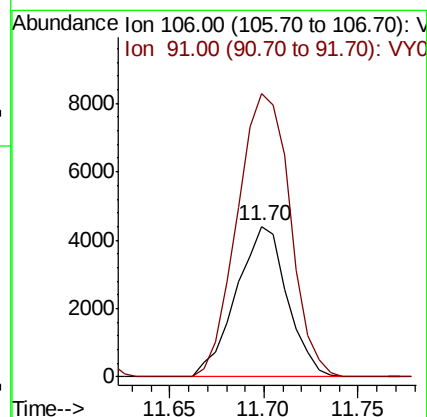
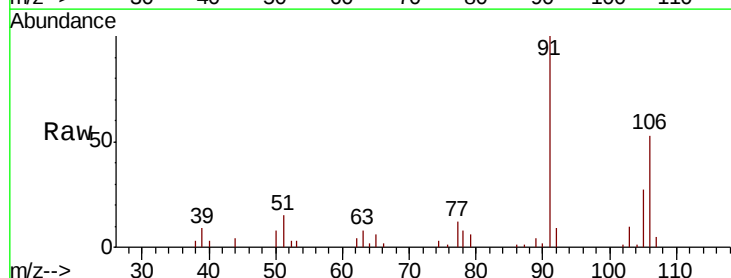
Acq: 14 Nov 2019 19:42

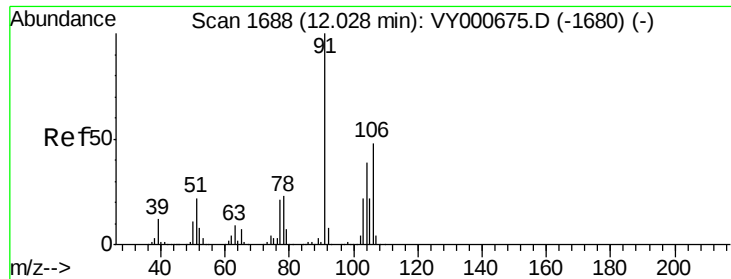
Tgt Ion: 106 Resp: 8281

Ion Ratio Lower Upper

106 100

91 187.7 137.6 255.6





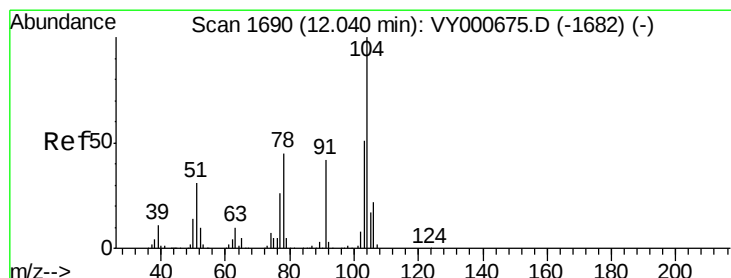
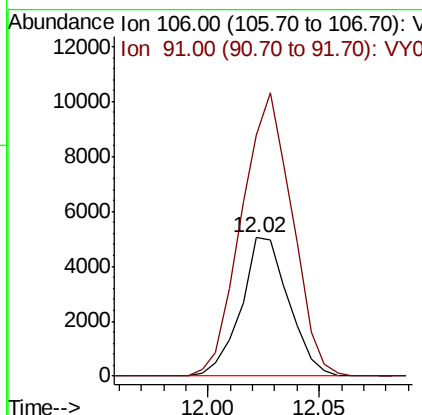
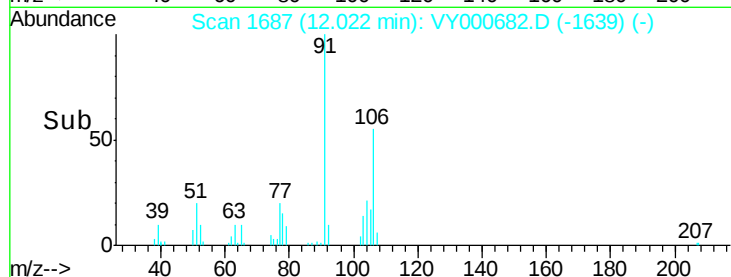
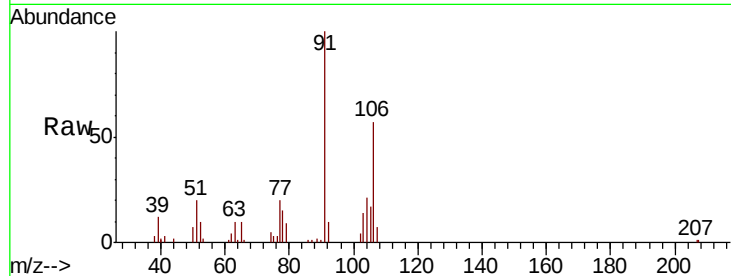
#54
o-xylene
Concen: 2.080 ug/L
RT: 12.02 min Scan# 1687
Delta R.T. -0.01 min
Lab File: VY000682.D
Acq: 14 Nov 2019 19:42

Instrument :
MSVOA_Y
ClientSampled :
MDL3

Tot Ion:106 Resp: 7533
Ion Ratio Lower Upper
106 100
91 174.1 145.9 270.9

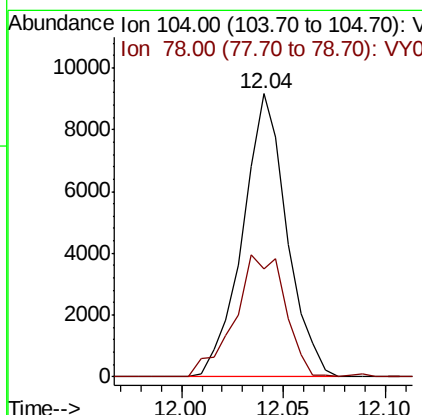
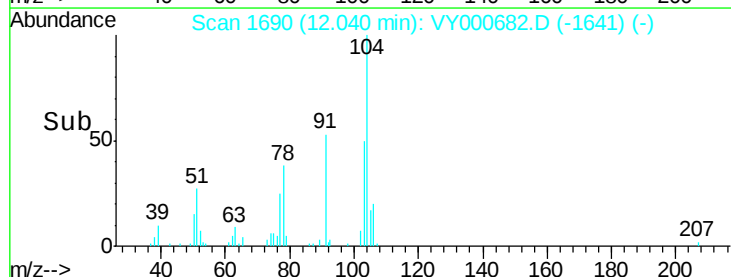
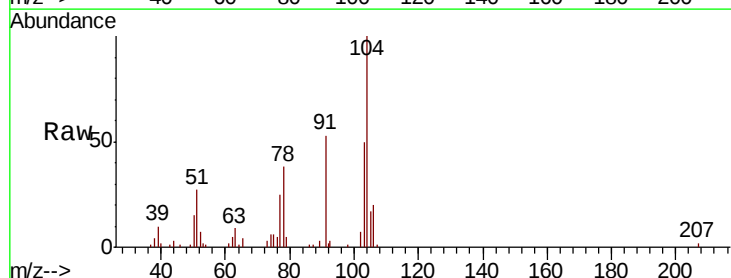
Manual Integrations
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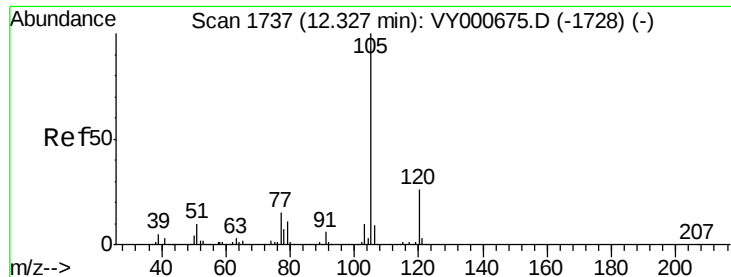
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#55
Styrene
Concen: 2.246 ug/L
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY000682.D
Acq: 14 Nov 2019 19:42

Tgt Ion:104 Resp: 13816
Ion Ratio Lower Upper
104 100
78 38.2 31.4 58.4





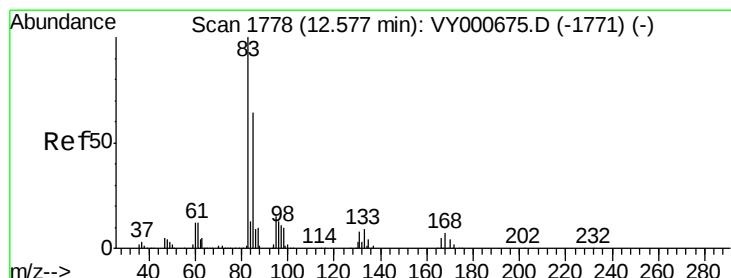
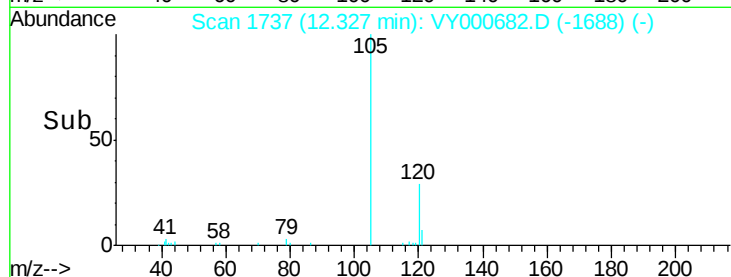
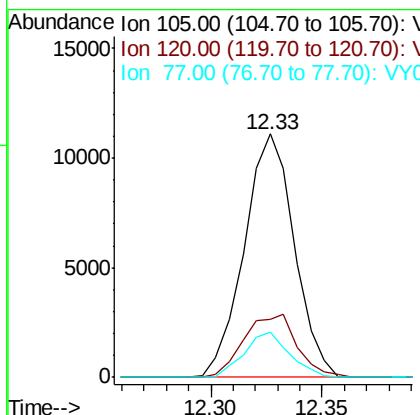
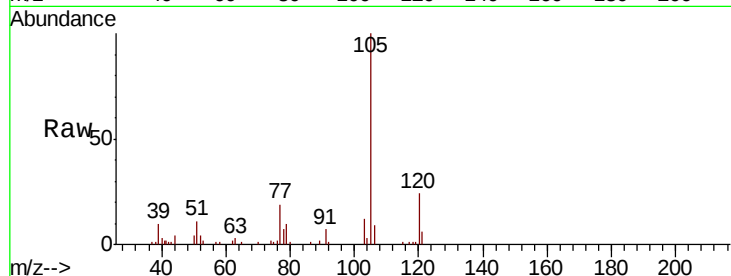
#56
Isopropylbenzene
Concen: 1.877 ug/L
RT: 12.33 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VY000682.D
Acq: 14 Nov 2019 19:42

Instrument :
MSVOA_Y
ClientSampleId :
MDL3

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.3	21.4	32.2
77	16.7	12.9	19.3

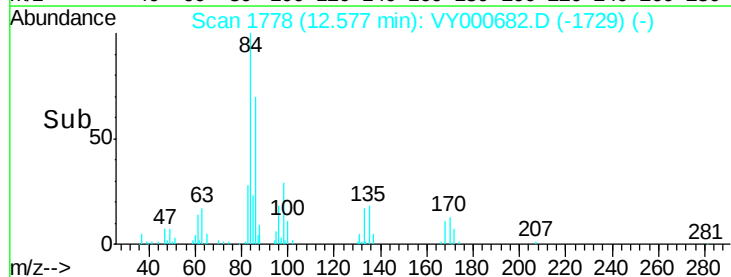
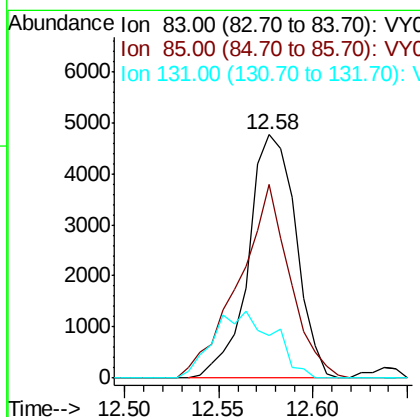
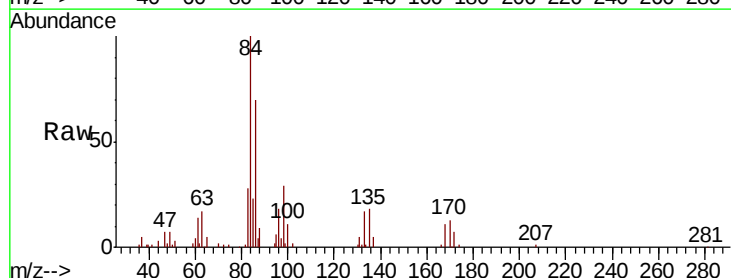
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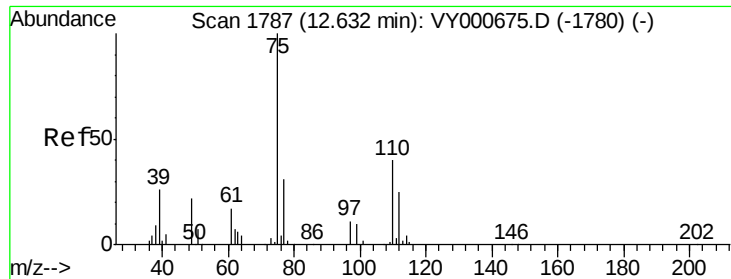
MMDadoda
11/15/2019 3:05:05 PM



#58
1,1,2,2-Tetrachloroethane
Concen: 3.144 ug/L
RT: 12.58 min Scan# 1778
Delta R.T. -0.00 min
Lab File: VY000682.D
Acq: 14 Nov 2019 19:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	79.7	45.0	83.6
131	17.6	6.6	9.8#





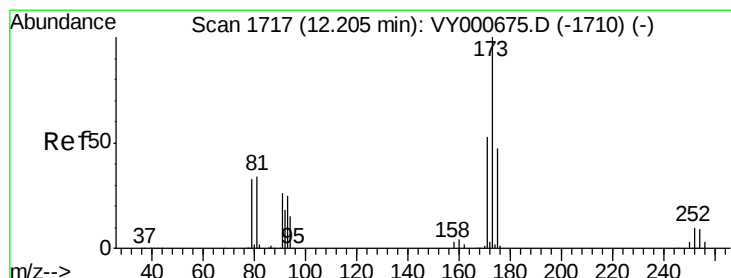
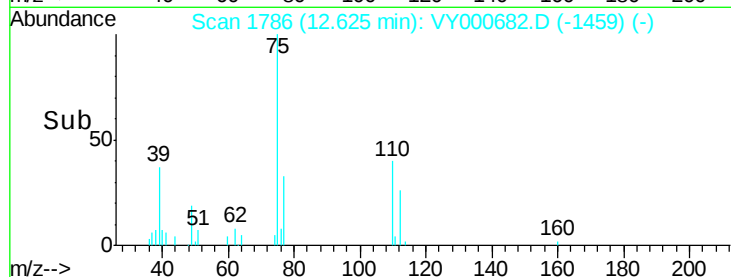
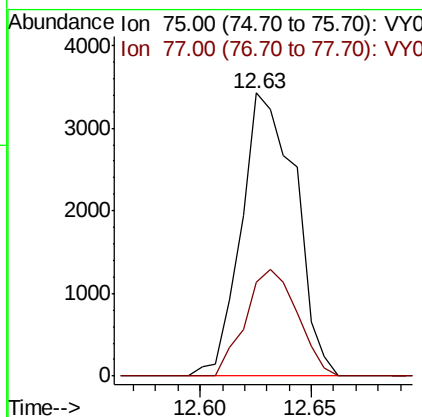
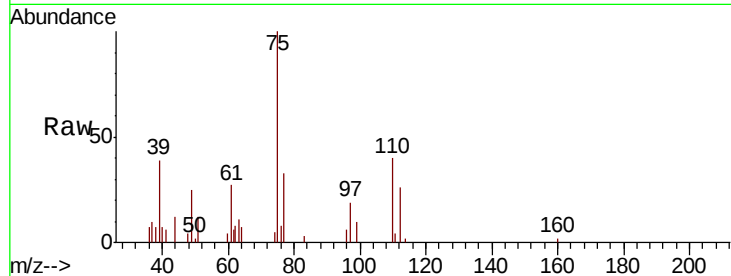
#59
1,2,3-Trichloropropane
Concen: 2.771 ug/L
RT: 12.63 min Scan# 1786
Delta R.T. -0.01 min
Lab File: VY000682.D
Acq: 14 Nov 2019 19:42

Instrument :
MSVOA_Y
ClientSampleId :
MDL3

Tot Ion: 75 Resp: 5801
Ion Ratio Lower Upper
75 100
77 35.9 25.5 38.3

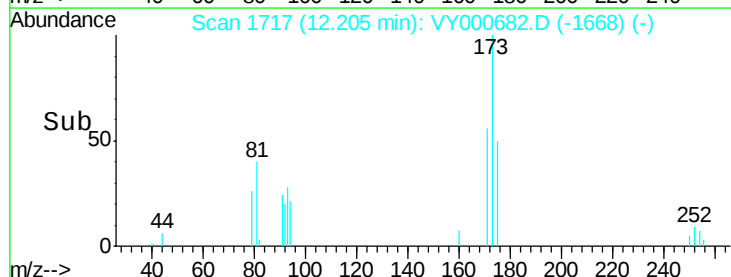
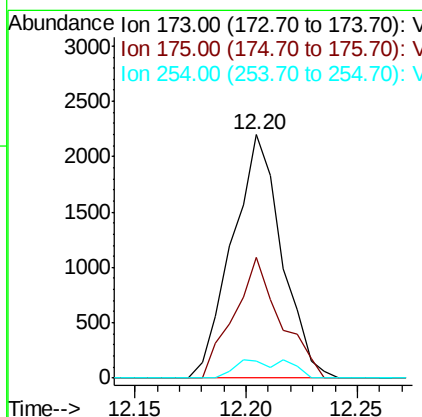
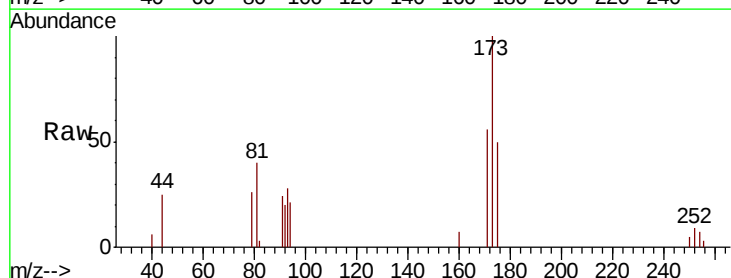
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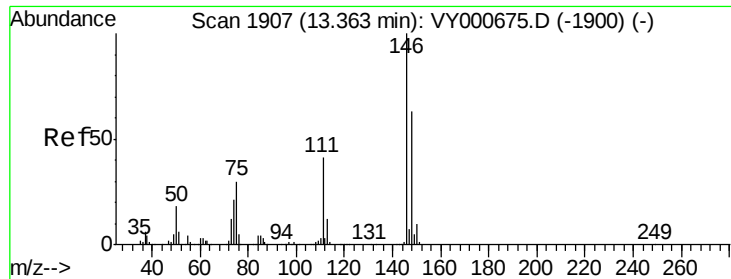
MMDadoda
11/15/2019 3:05:05 PM



#61
Bromoform
Concen: 2.766 ug/L
RT: 12.20 min Scan# 1717
Delta R.T. -0.00 min
Lab File: VY000682.D
Acq: 14 Nov 2019 19:42

Tgt Ion: 173 Resp: 3414
Ion Ratio Lower Upper
173 100
175 46.6 36.6 55.0
254 5.2 7.4 11.2#





#62

1,3-Dichlorobenzene

Concen: 2.448 ug/L

RT: 13.36 min Scan# 1907

Delta R.T. -0.00 min

Lab File: VY000682.D

Acq: 14 Nov 2019 19:42

Instrument :

MSVOA_Y

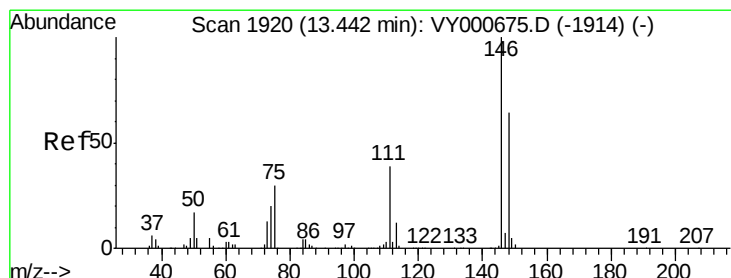
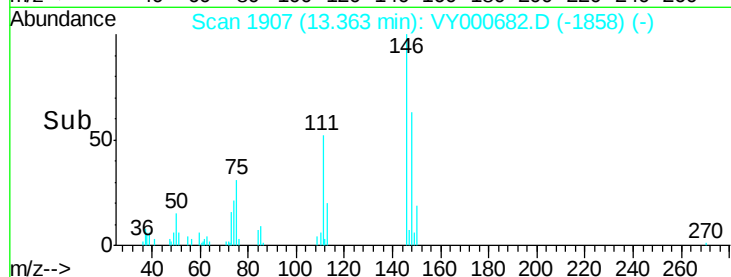
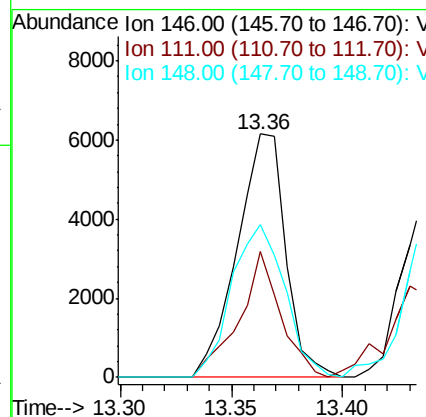
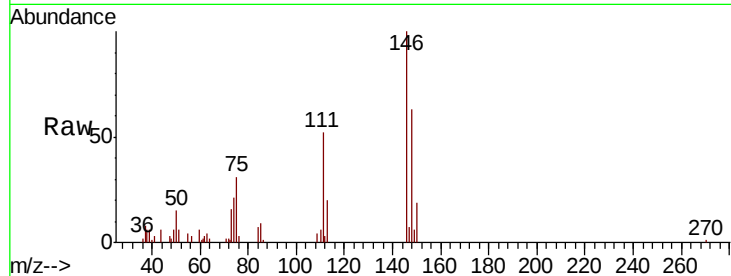
ClientSampleId :

MDL3

Tot Ion:	146	Resp:	9358
Ion	Ratio	Lower	Upper
146	100		
111	51.7	28.4	52.8
148	62.7	44.1	81.9

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#63

1,4-Dichlorobenzene

Concen: 2.612 ug/L

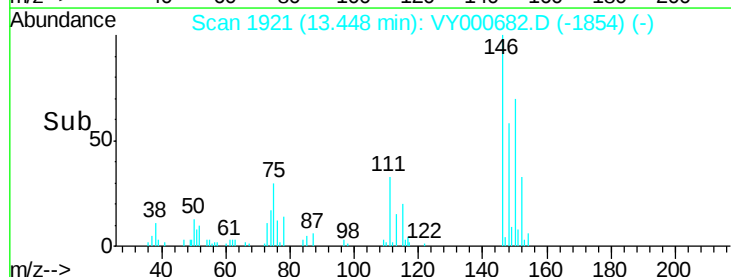
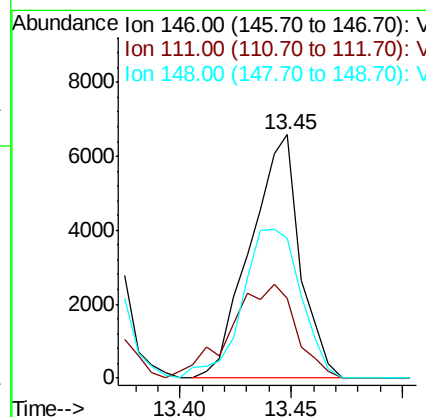
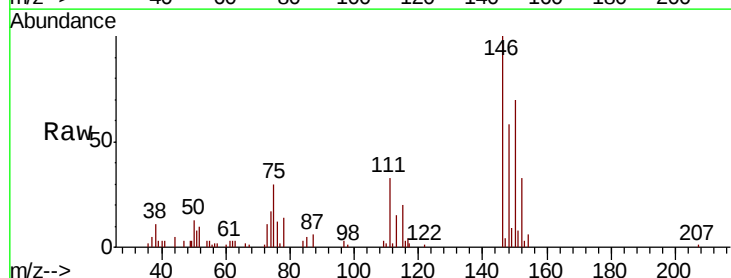
RT: 13.45 min Scan# 1921

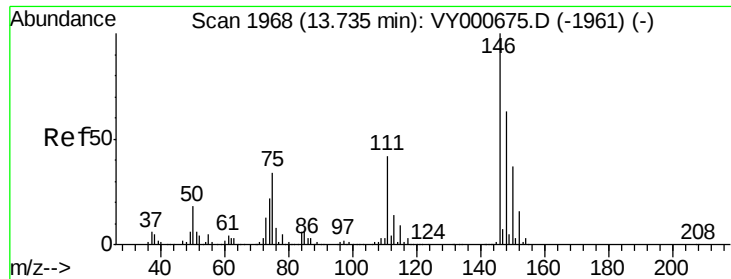
Delta R.T. 0.01 min

Lab File: VY000682.D

Acq: 14 Nov 2019 19:42

Tgt Ion:	146	Resp:	10230
Ion	Ratio	Lower	Upper
146	100		
111	32.8	27.4	51.0
148	57.5	45.2	84.0





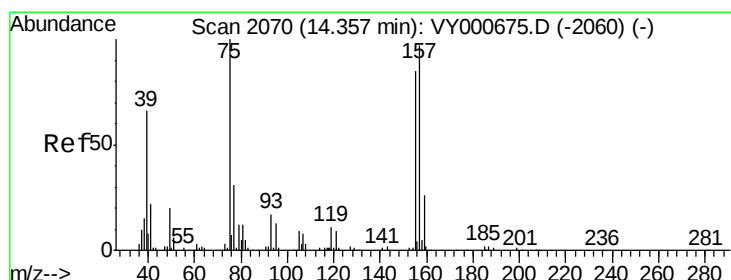
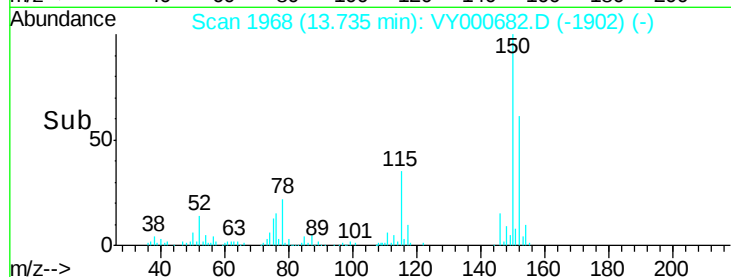
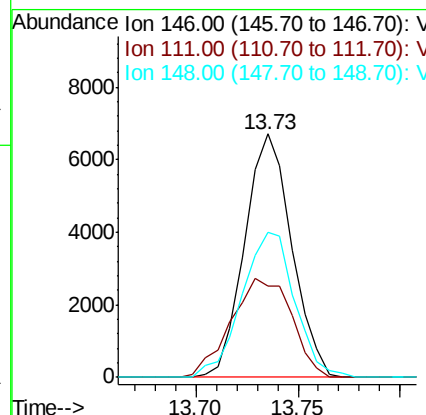
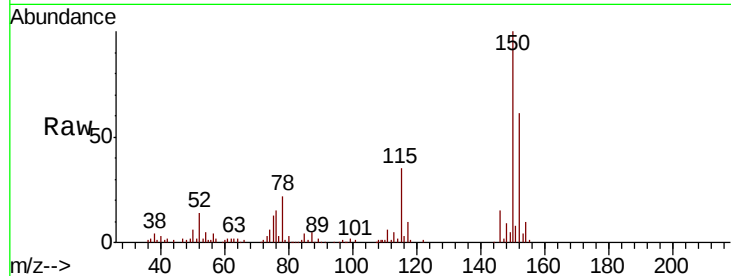
#65
1,2-Dichlorobenzene
Concen: 2.864 ug/L
RT: 13.73 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VY000682.D
Acq: 14 Nov 2019 19:42

Instrument :
MSVOA_Y
ClientSampled :
MDL3

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	33.4	50.0
148	59.6	50.8	76.2

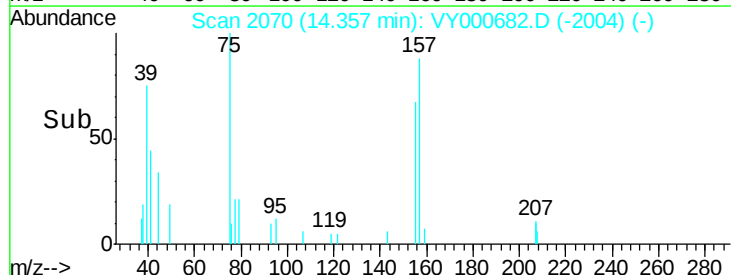
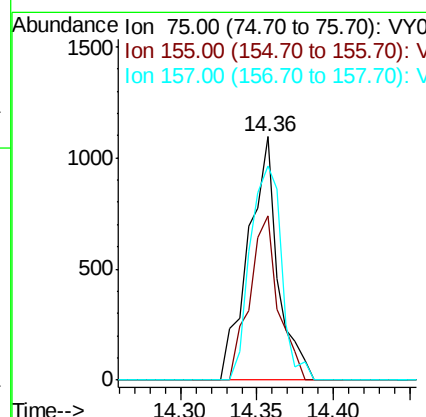
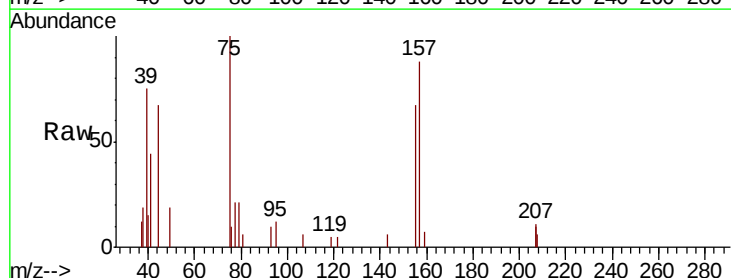
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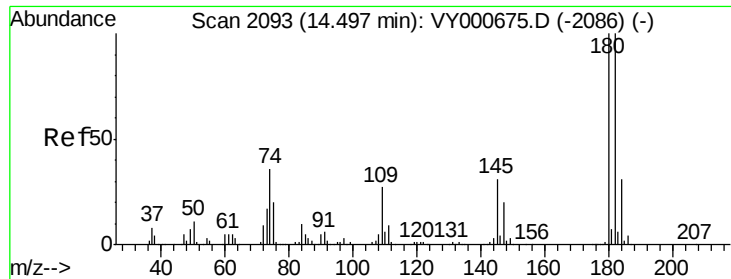
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#66
1,2-Dibromo-3-chloropropane
Concen: 3.231 ug/L
RT: 14.36 min Scan# 2070
Delta R.T. -0.00 min
Lab File: VY000682.D
Acq: 14 Nov 2019 19:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	67.3	67.7	101.5#
157	87.7	77.8	116.8





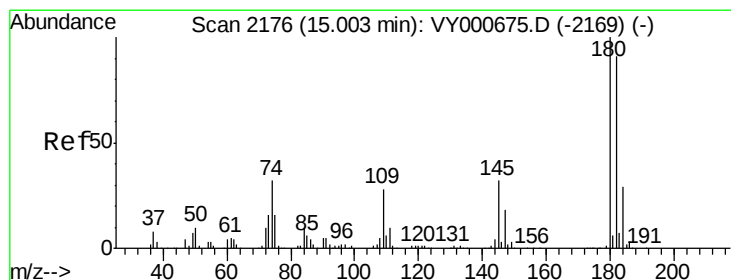
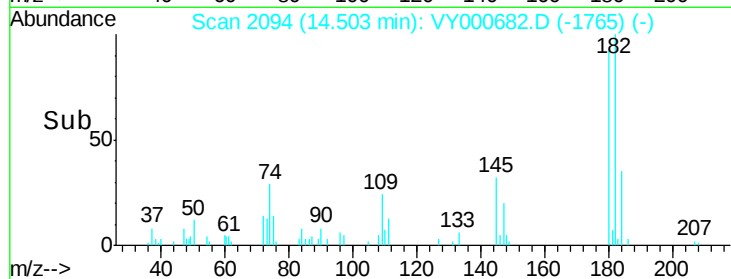
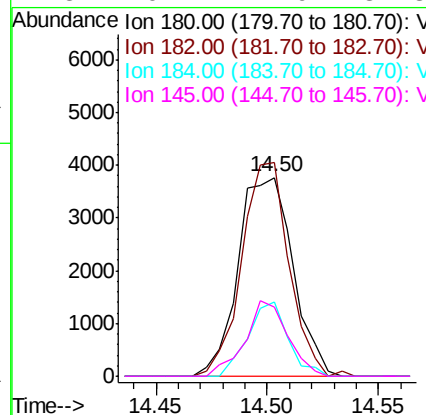
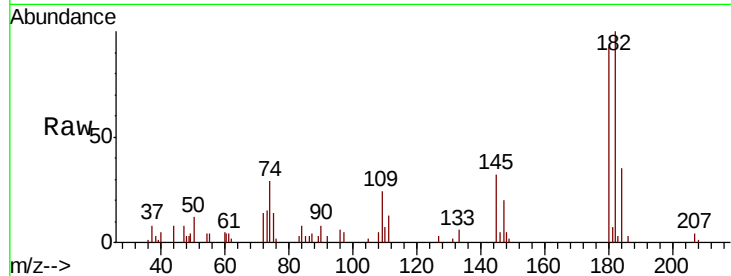
#67
 1,3,5-Trichlorobenzene
 Concen: 2.422 ug/L
 RT: 14.50 min Scan# 2094
 Delta R.T. 0.01 min
 Lab File: VY000682.D
 Acq: 14 Nov 2019 19:42

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL3

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.4	77.8	116.6
184	27.5	25.2	37.8
145	29.7	24.9	37.3

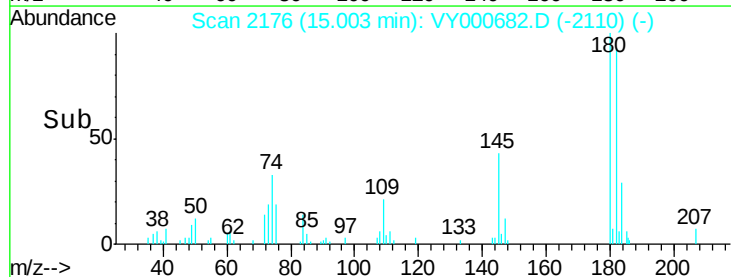
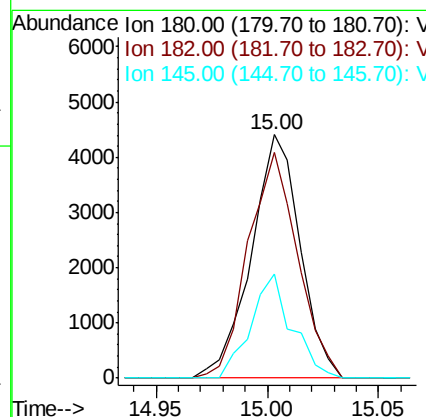
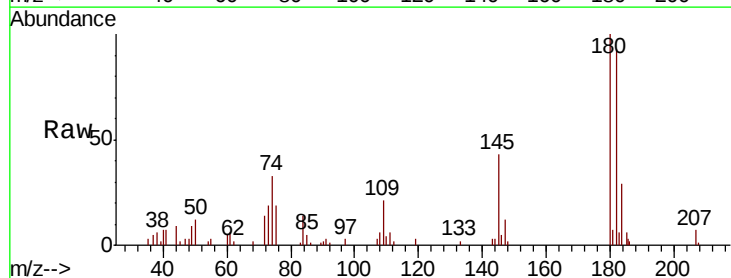
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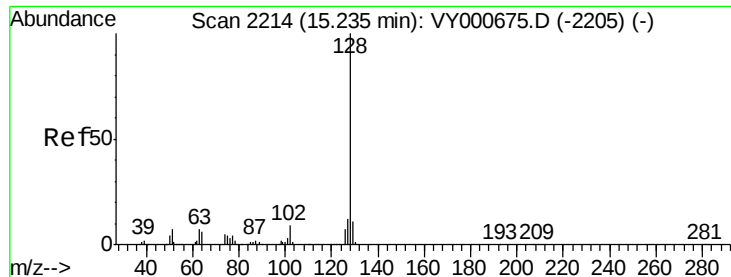
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#68
 1,2,4-trichlorobenzene
 Concen: 2.688 ug/L
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VY000682.D
 Acq: 14 Nov 2019 19:42

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	75.5	113.3
145	35.8	25.4	38.0





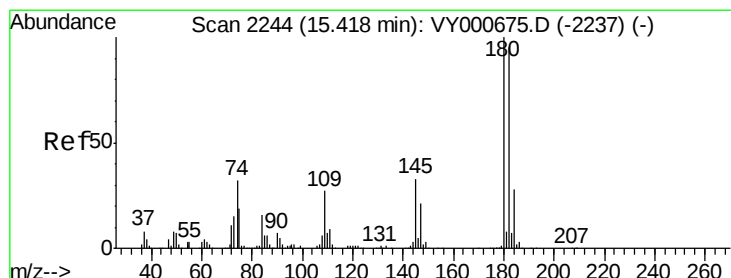
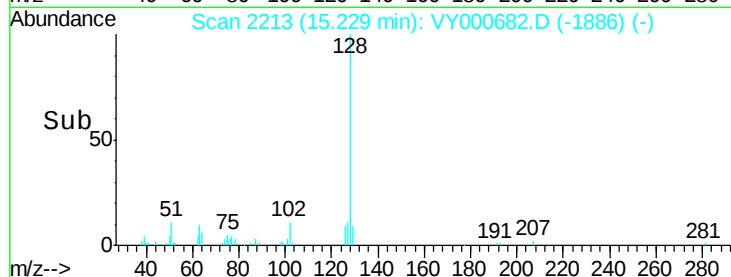
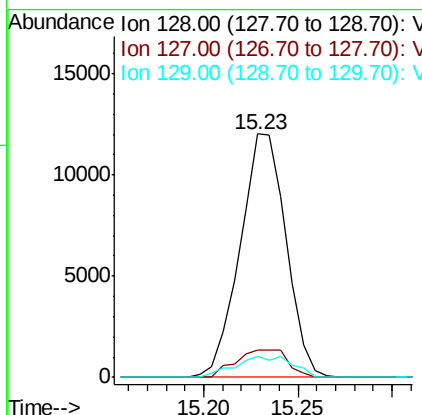
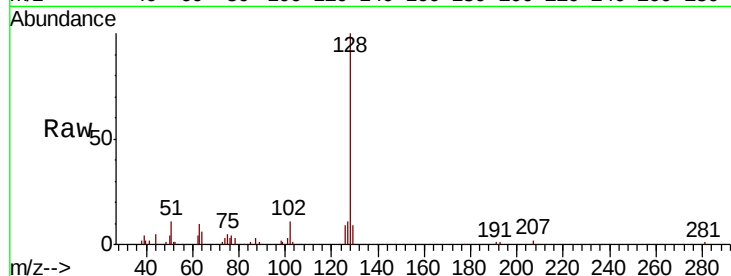
#69
Naphthalene
Concen: 2.712 ug/L
RT: 15.23 min Scan# 2213
Delta R.T. -0.01 min
Lab File: VY000682.D
Acq: 14 Nov 2019 19:42

Instrument :
MSVOA_Y
ClientSampleId :
MDL3

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.1	15.1
129	6.8	8.7	13.1

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#70
1,2,3-Trichlorobenzene
Concen: 2.695 ug/L
RT: 15.42 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VY000682.D
Acq: 14 Nov 2019 19:42

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	75.3	112.9
145	34.5	25.8	38.8

